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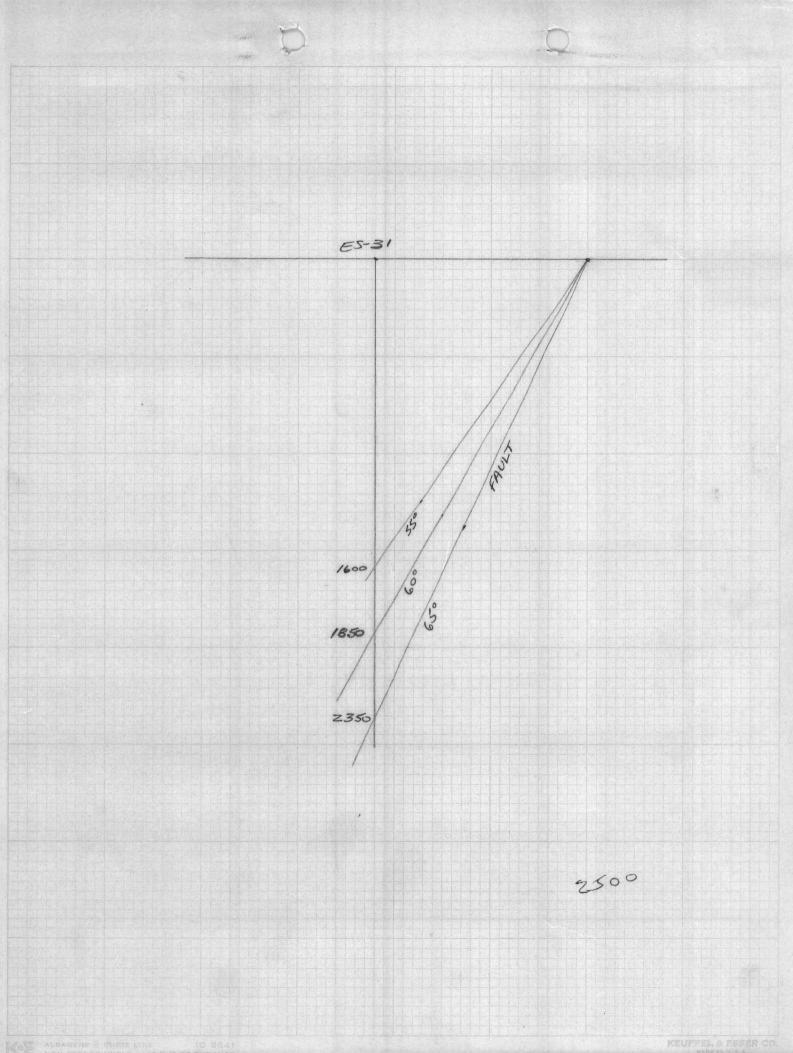
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September 6, 1974

TO: Robert Holt FROM: Bob Helming

SUBJECT: Status of drill hole ES-31 on the Nail Keg 3 claim.

The included sketch map indicates the location of drill hole ES-31 which was recently drilled to 1800 feet to fulfill assessment requirements on the Nail Keg, Bohemia and other contiguous claim groups.

So far as Essex knows there is an information gap in the area between the San Juan and PD ore bodies and adjacent to the Butte Fault on the north or footwall side. Information from this area could determine what, if any, connection exists between the San Juan and PD ore bodies at depth. From a somewhat more speculative viewpoint the data could aid in defining the shape, position and dimensions of the PD ore body since it is now apparent that PD is doing considerable underground drilling to answer those same questions. All of this data would significantly affect any future decisions concerning Essex land position in the Safford area.

The best way to test the area would have been to drill north of the fault on the San Juan property. This was impossible due to legal problems therefore the alternative was to collar a hole at the present site of ES-31 and attempt to drill through the fault to test the ground beneath the fault. The drill hole should penetrate the fault at approximately 2300 feet assuming a dip of 65 degrees for the fault. We can expect large fracture zones on both sides of the fault plane. The hole was rotary drill 5 3/4 inches diameter to 1800 feet and then filled with drilling mud. No casing was emplaced so the hole may be continued by rotary drill through the fault and then cased.

The biotite-chlorite alteration and mineralization of trace to locally moderate copper oxide in the hanging wall was anticipated based on prior knowledge of nearby outcrops and drill holes. A more detailed log will be prepared when assays are available.

Drill hole ES-31 was stopped on August 28 because the necessary money had been spent for assessment work on the claim group. I recommend Essex continue the hole as soon as a satisfactory drill can be contracted for the following reasons:

1) The hole is testing the last area on the claim group where there is insufficient data to form a reasonable geologic conclusion.

MEMO

- 2) It seems very probable that Essex will maintain its property position for some time and will eventually have to do next years assessment work.
- 3), The longer the hole is left standing the less likely it can be reentered although it appeared to be in good condition.
- 4) The project geologist is presently located in Safford to handle the drilling.

Arguments against continuing the hole now are:

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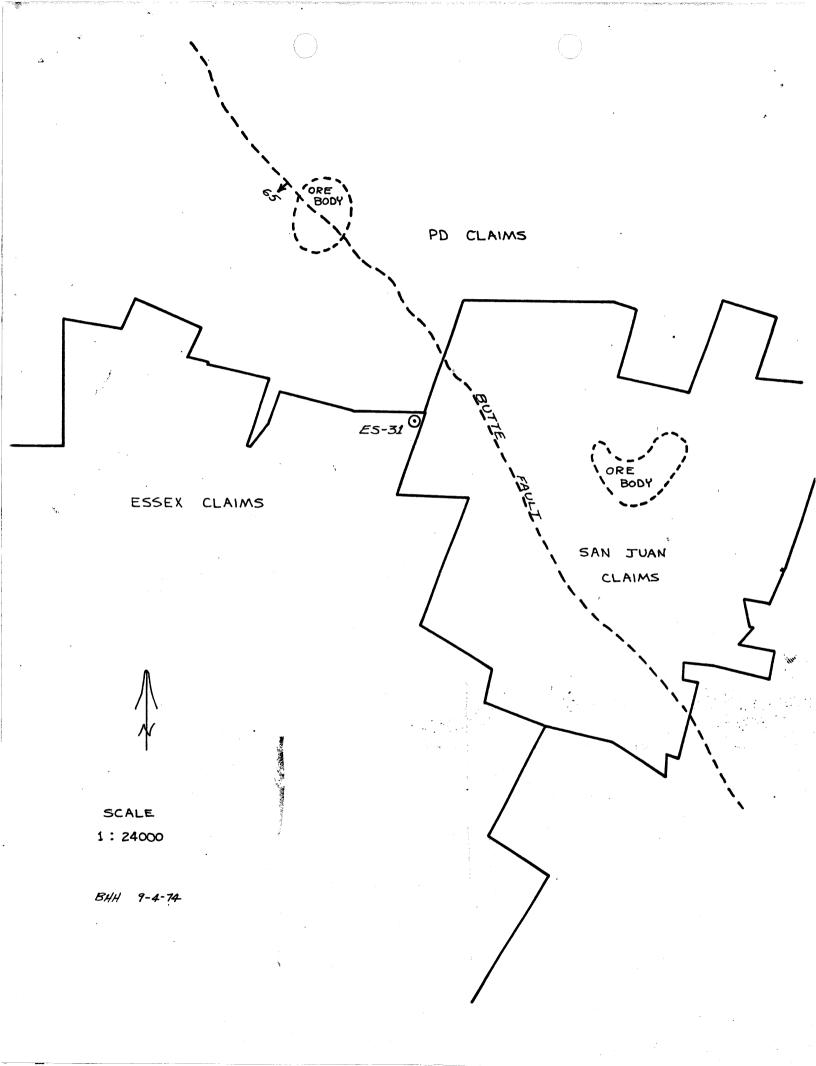
- 1) The claims may be dropped before we have to do next years assessment work.
- 2) No valid target exists and it is an expensive method of data collecting.
- 3) There is the unlikely possibility that PMC could subpoena the drill hole data because the hole is collared only 65 feet from the San Juan property.

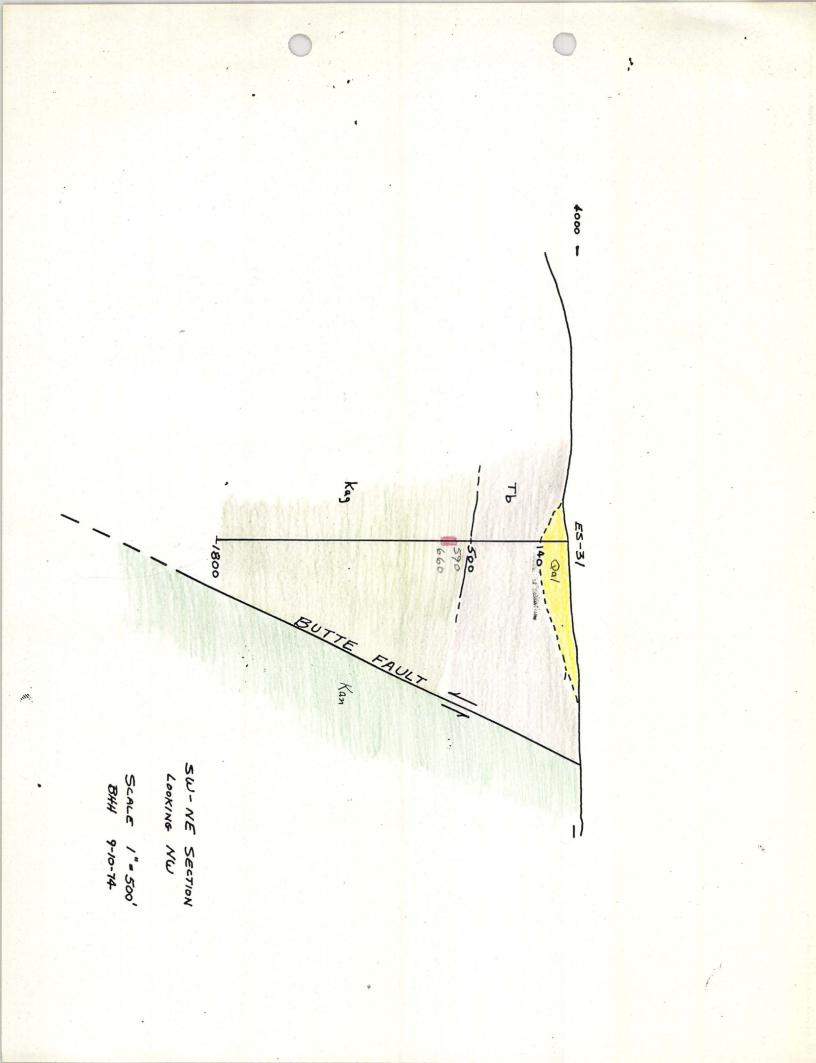
Drilling through a major fault at depths exceeding 2000 feet will be a formidable task therefore nothing smaller than a Boyles Bros. DMX drill should be considered. Following are some cost estimates assuming the hole is rotaty drilled to 2600 feet, cased with $3\frac{1}{2}$ inch pipe and cored Nx to 3500 feet.

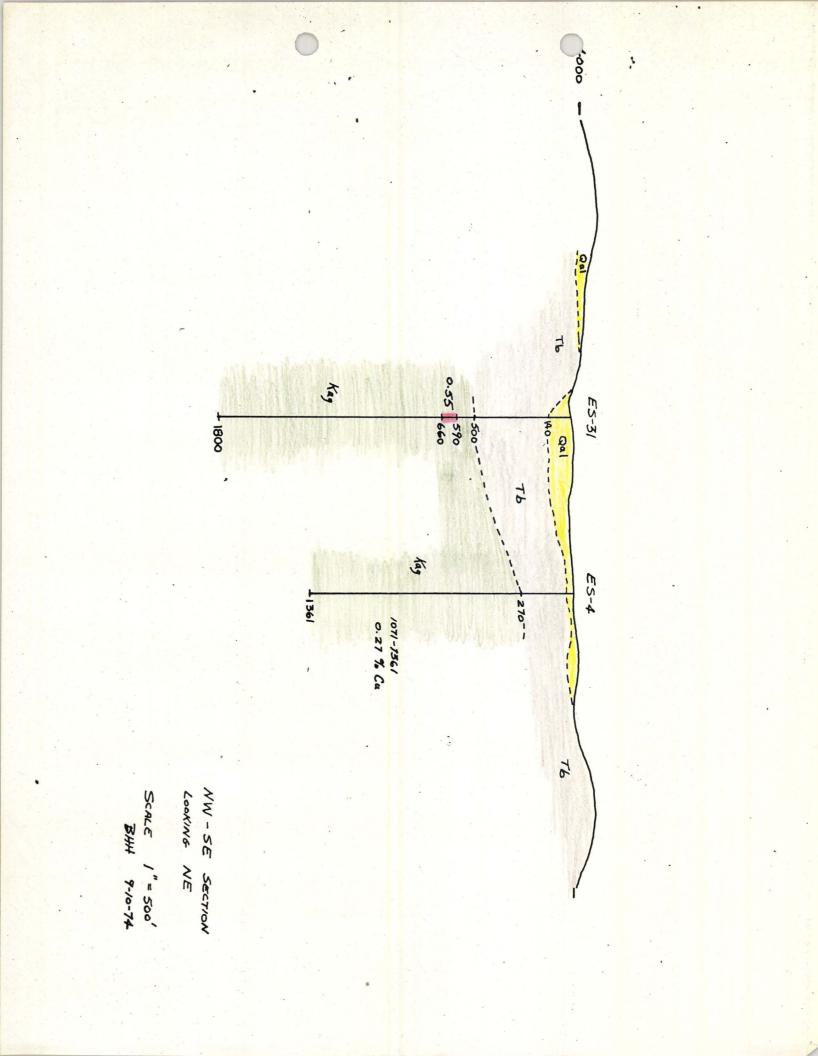
Rotary drilling to 2600 feet Additives, bits, water truck, etc. Casing	<pre>\$ 9,500 \$ 6,000 \$11,700</pre>
Coring 2600 to 3500 feet	\$15,000
Additives, bits, water truck, etc.	\$ 8,000
Total	\$50,200

The cost of the hole should be compared to the semiannual property payments for these claim groups of approximately \$65,000. Furthermore, if the hole is drilled now the major portion of the assessment work would be done until July of 1976.

> Bob Helming Project Geologist Safford, Arizona



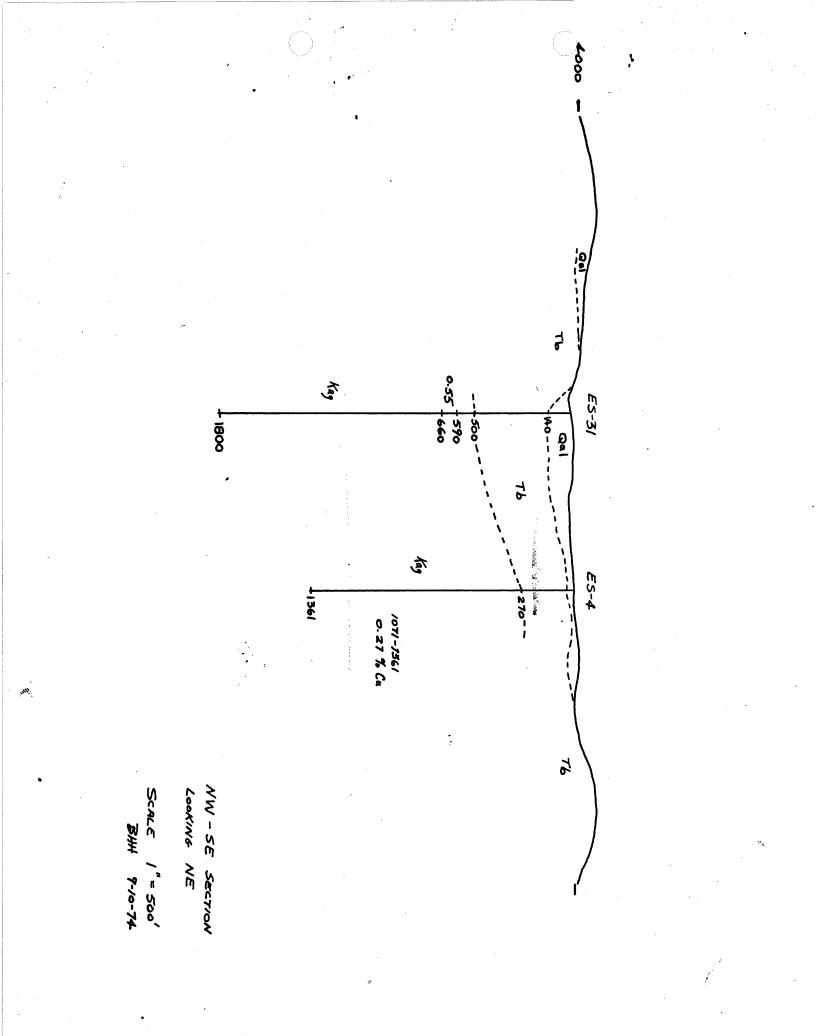


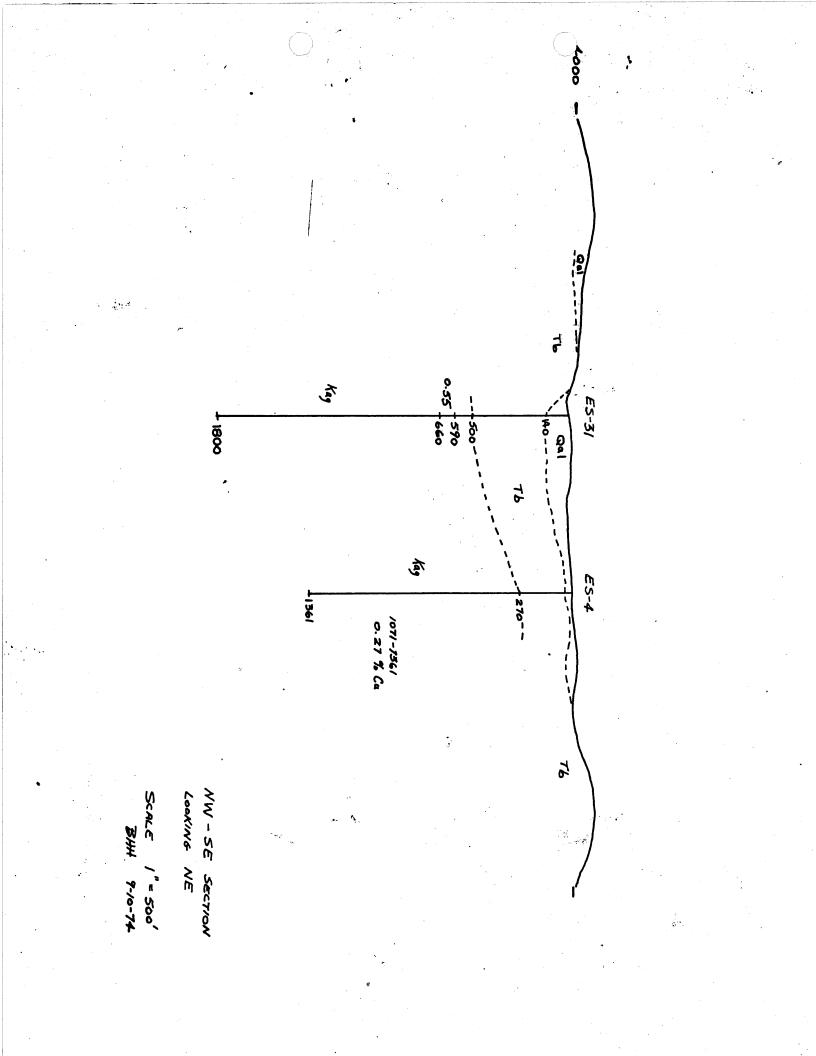


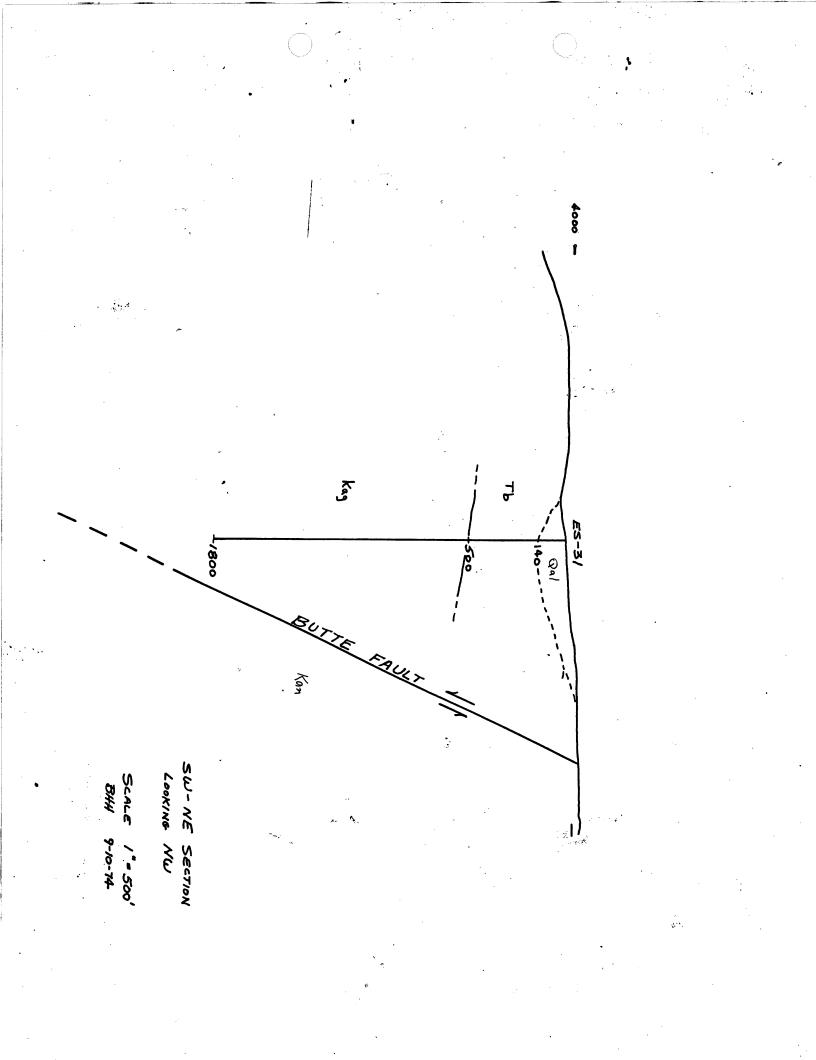
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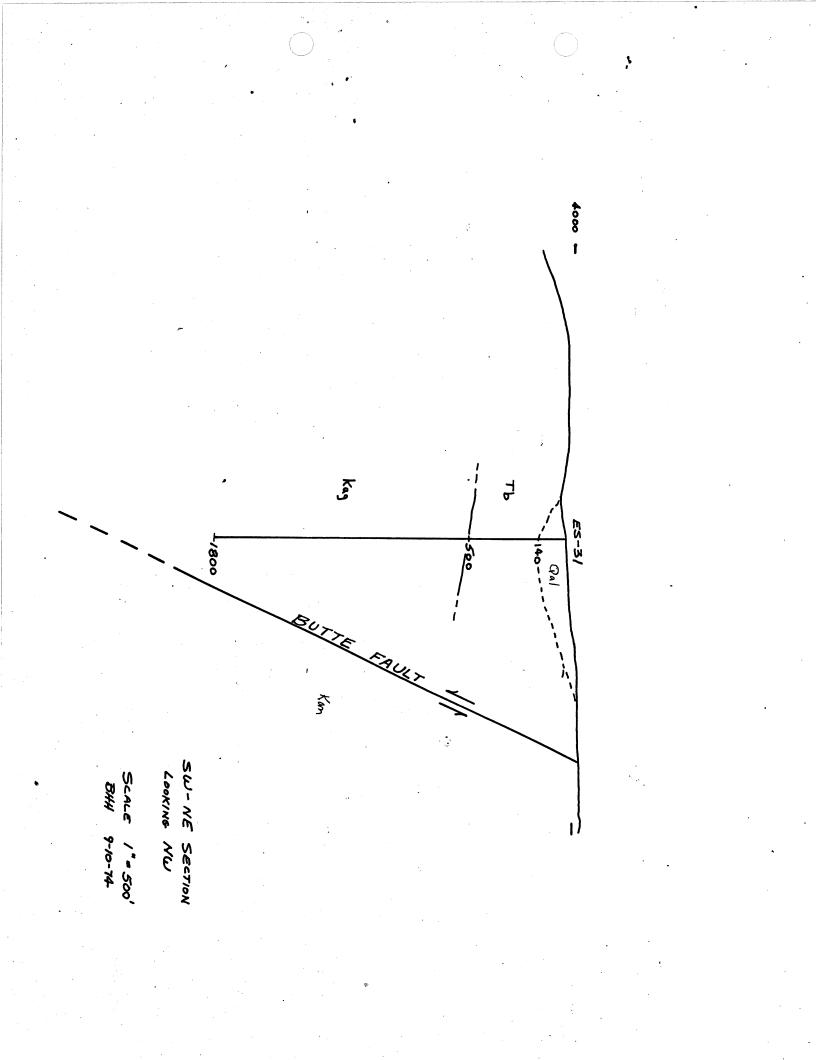
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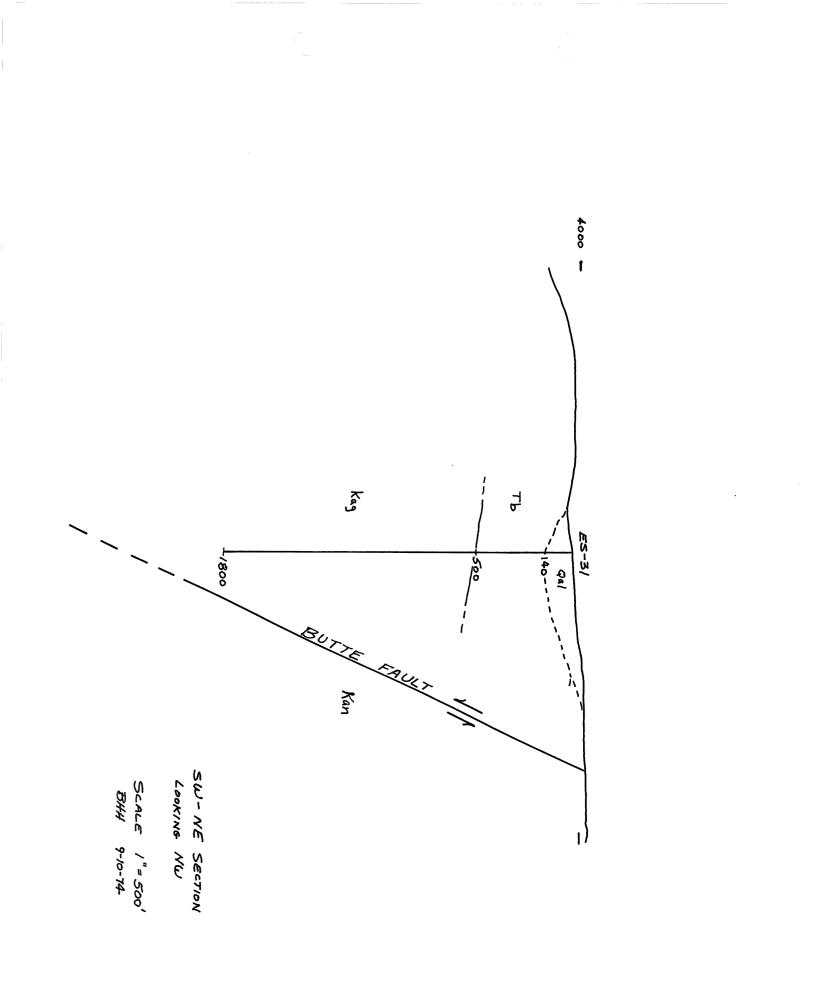
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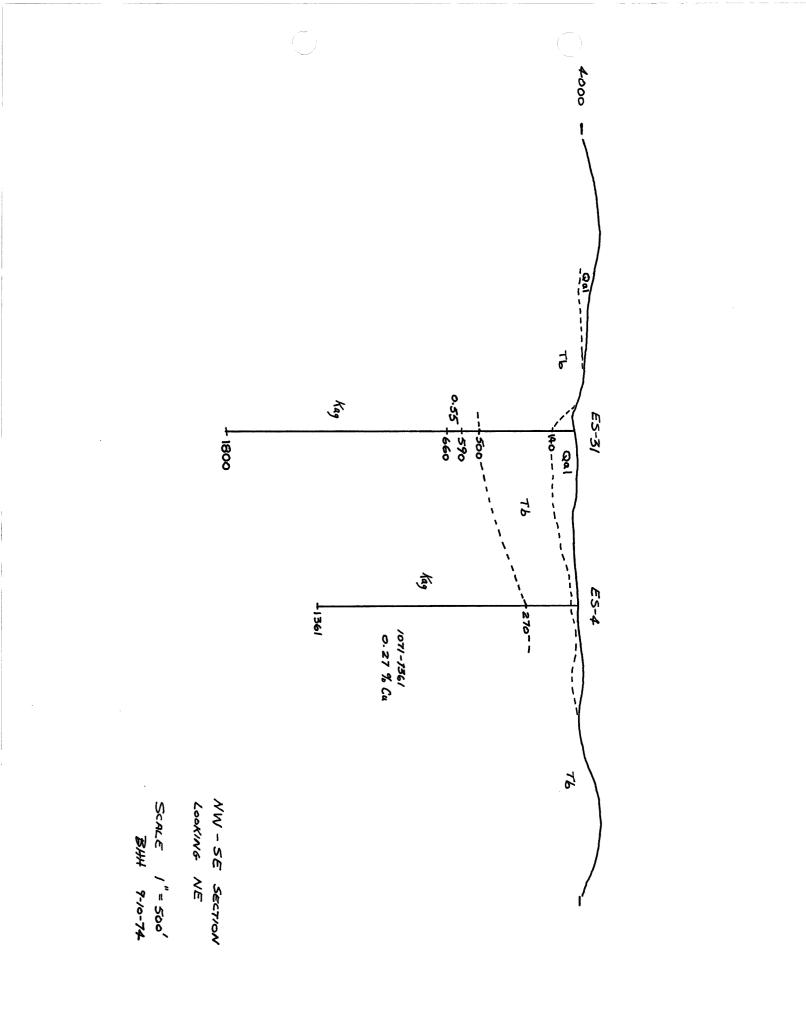












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DIAMOND CORE DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT DRILLING ADDITIVES

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General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

January 14, 1975

BEN L. AUSTIN MANAGER DRILLING OPERATIONS

> Essex International, Inc. 1704 West Grant Avenue Tucson, Arizona 85705

Attention: Mr. Paul Eimon

Gentlemen:

10

We are pleased to submit the following quotation for rotary and core drilling on your deep hole project located near Safford, Arizona.

We propose to move a rotary drilling rig onto the drill site to rotary drill as deep as is practical, case the hole and move a core rig onto location to deepen the hole by coring.

1. Mobilization and Demobilization – \$750.00 lump sum each rig.

2. Drilling Rates - Vertical Holes:

2.1 Rotary and Core Drilling:

			Hammer	
			or Rockbit	NX or BX
0 to	500	feet	\$5.30	\$
500 to	1,000	11	6.40	
1,000 to	1,500	11	7.75	13.00
1,500 to	2,000	* *	9.95	14.25
2,000 to	2,500	**		15.50
2,500 to	3,000	**		17.25
3,000 to	3,500	**		19.50
3,500 to	4,000	**		22.50
4,000 to	4,500	* *		27.00
4,500 to	5,000	**		33.00
5,000 to	5,500	**		39.50
5,500 to	6,000	**		46.50

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BRANCH OFFICES

PHOENIX, ARIZONA

GOLDEN, COLORADO

SPARKS, NEVADA

SPOKANE, WASHINGTON

MURFREESBORO, TENNESSEE

cable: BOYLESBROS

MEXICO CITY, MEXICO

telex: 001774546

SANTIAGO, CHILE

LIMA, PERU cable: BOYLESCOP

Essex International, Inc. January 14, 1975 Page #2

- 2.2 Spot coring with the rotary rig will be charged at the rate of \$42.50 per hour plus the cost of bits.
- 2.3 A down-the-hole hammer will be charged at the rate of \$150.00 per week while in use.
- 2.4 While rotary drilling, if the rock should become so hard or other ground conditions be encountered such that the penetration rate falls below 50 feet per eight-hour shift over a period of three consecutive drilling shifts, Boyles will have the right to charge at the rate of \$42.50 per rig hour plus the cost of bits consumed from the end of the third qualifying shift until the hole is completed, or case the hole for coring.
- 2.5 Reaming to be charged at \$8.50 per foot.
- 3. The following items to be charged at the rate of \$37.50 per hour:
 - 3.1 Cementing and regaining lost circulation.
 - 3.2 Cleaning out and conditioning existing hole and making up core drilling string when changing over to core drilling.
 - 3.3 Surveying the hole plus \$125.00 per week for a Boyles owned instrument, or third party invoice cost, while the survey instrument is in use.
 - 3.4 Installing or retrieving casing.
 - 3.5 Set-up, moving between holes, and tearing down.
 - 3.6 Standby time at your request.
 - 3.7 Delays caused by actions on your part and not the fault of Boyles, including inaccessability to the drill site because of bad weather or other conditions not under the control of Boyles.
- 4. Water truck rental will be charged at the rate of \$390.00 per month for a Boyles Bros. owned two-wheel drive truck plus \$.35 per mile, or \$460.00 per month for a four-wheel drive truck plus \$.45 per mile, or third-party invoice plus 10% handling for outside rental. Water to be hauled by Boyles from your source of supply. If a steady driver is required, he will be charged at the rate of \$64.00 per eight-hour shift.
- 5. Core boxes, cement, drilling mud, mud additives, and lost circulation

Essex International, Inc. January 14, 1975 Page #3

materials consumed will be charged at our published list prices plus 15% for mixing, handling, and transportation to the job site.

- 6. Casing will be invoiced at published list prices at time of installation in the hole. Any casing recovered will be credited at a mutually agreeable salvage value.
- 7. Drill roads and drill sites are to be constructed and maintained accessible to truck mounted drill rigs, supply trucks, and pickups free of cost to Boyles Bros. Any environmental responsibility relating to the construction, use or reclamation of same shall be the responsibility of Essex International. Boyles Bros. will, however, remove all trash and loose material, leaving drill sites in a clean and orderly condition.
- 8. Boyles Bros. certifies it has or will have licenses to do contract work in the state of Arizona. All other licenses, land and water use permits, environmental reports, state reports relating to hole plugging, etc. shall be the responsibility of Essex International. Boyles Bros. shall cooperate with and give technical assistance if requested for your compliance with these regulations.
- 9. Boyles Bros. shall drill at the location and to the depths specified by the representative of Essex International and shall be held harmless for all liability claims which may arise from normal activity related to this contract, including pollution of ground water or surrounding land from discharge of drill water and wastes. Boyles Bros. agree to accept responsibility for the irresponsible acts of their employees and for the liability which may result from these acts.
- 10. The prices in this schedule will remain firm for a period of 30 days from the date of the proposal; at which time, if the contract has not been accepted, Boyles Bros. reserves the right to revise any prices or conditions of this offer.
- 11. Boyles Bros. will invoice at the end of each calendar month for the work done during such period and the terms will be net 30 days. In the event payment is not made within these terms, a late payment charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged. It will be computed from the due date to the date we receive payment.

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Essex International, Inc. January 14, 1975 Page #4

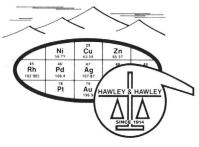
Thank you for asking Boyles Bros. to quote on this work. We will look forward to receiving your instructions.

Yours very truly, в. Austin Æ

BLA:bg

cc: S. L. Mathews

SKYLL LABS, INC.



Hawley & Hawley, Assayers and Chemists Division 1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703 (602) 622-4836



Charles E. Thompson Arizona Registered Assayer No. 9427

William L. Lehmbeck Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

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Attn.	: Mr. Grover Heinrichs		DATE REC'D: 3/31/75		ATE COMPL.: 4/9/7	5	JOB NUMBER)686	

VERITY, SMITH, LACY, ALLEN & KEARNS, P. C.

VICTOR H. VERITY LEO N. SMITH JOHN C. LACY KENNETH L. ALLEN DESMOND P. KEARNS ROGER W. TAYLOR JOHN F. MUNGER BRUCE F. RINALDI ATTORNEYS AT LAW 902 TRANSAMERICA BUILDING 177 NORTH CHURCH AVENUE TUCSON, ARIZONA 85701

TELEPHONE (602) 623-6961

March 11, 1975

Mr. Fred E. Ferguson, Jr. Evans, Kitchel & Jenckes, P.C. Attorneys at Law 363 North First Avenue Phoenix, Arizona 85003

Dear Fred:

Concerning your letter to John Lacy of this office dated January 24, 1975, I would appreciate your confirming that the "agreed survey line" mentioned in the third paragraph is the line described as "Adjusted Using PD Solar Bearing" in the attachment to Bill Bowen's letter to Grover Heinrichs of November 16, 1974.

This office has begun preparation of the documents mentioned in your January 24 letter, and this confirmation of the above will permit us to complete drafts for submittal to you for your and your client's review.

Very truly yours,

Leo N. Smith

LNS/dmd

cc: E. Grover Heinrichs

197 Per cent Wet Assay PHONE 622-0813 12 = Per Cent Wet Assay 4arch 80% Certificate No. 111 Contract An Association Asizona 85702 M LEAD Per cent Wet Assay Ì Jacobs Assay Office Registered Assayers 2010 COPPER Per cent Wet Assay 1/2016 APRICE. Very respectfully. SKVER Ozs. per ton ore GOLD Ozs. per ton Value per ton ore ore A LINE OF A AND CITY BELLEVING P. AND A とき 104 \$ 200 31996 11480 • Gold Figured \$100.00 per or. Troy DUPLICATE *SY491* Certificate No. *5 9491* SAMPLE MARKED 1435 S. 10th AVE. P. O. BOX 1889 N610 2 Charges \$.

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DIAMOND CORE DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT DRILLING ADDITIVES

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CONTRACTORS-ENGINEERS

General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

January 14, 1975

BEN L. AUSTIN MANAGER DRILLING OPERATIONS

> Essex International, Inc. 1704 West Grant Avenue Tucson, Arizona 85705

Attention: Mr. Paul Eimon

Gentlemen:

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BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS NEVADA SPOKANE, WASHINGTON MURFREESBORD, TENNESSEE TRONWOOD MICHIGAN SANTIAGO, CHILE CADIA: BOYLESBROS LIMA, PERU CADIC: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

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Essex International, Inc. January 14, 1975 Page #2

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Essex International, Inc. January 14, 1975 Page #3

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Essex International, Inc. January 14, 1975 Page #4

Thank you for asking Boyles Bros. to quote on this work. We will look forward to receiving your instructions.

Yours very truly,

B. L. Austin

BLA:bg

cc: S. L. Mathews

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DR.LLING COST AND INFO ES.31

RIG MOLED IN ILLIZITY - Spent 5 DAYS CLEANING OUT AND REAMING HOLE TO TREVICES DEPTH OF 1800' - ROTARY STARTED ILLIGITY - DRILLED TO 2105' - DUE TO CONDITION OF HELE, CASING WAS PUT IN TO 2105' - LORING COMMENCED ON 11/29/174 DEPTH AT END OF NOV: 215B - DRILLING COSTS TO 11/30/74 : IB, 802.34

DRILLING CONTINUED IN DECEMBER DOPTH AT END OF DRILLING FOR DECEMBER IS 2623 - DUE TO BAD GREUND, FOOTAGE OF HOLE WAS NOT UP TO STANDARD. APPROX COST TO END OF DECEMBER, INCLUDING ALL DRILLING AND EXTRANEUS COST, 15 : 12, 298.00

> TETAL COST OF HOLE, END OF DEC: \$31,100 DEPTH: 2233

Drich Hole ES-31

12-10-74 TOTAL Depth p.m. 12-10-74 2501' Streams pyrite & Diotite lAST 400' ENCREASING copper (disseminated) chalcoide Total Spent to date (estimate) # 23,061 " authorized 27,200

Recommend minimum of 1000' more feet # 20,000 Estimate cost

Dec. 30 info. to Oppresey Morrea JAN. 3

ESSEX INTERNATIONAL	Date	ESSEX INTERNATIONAL	Date
LOCATION ES. 31		LOCATION ES-31	
DESCRIPTION		DESCRIPTION	
2385-2390		2614-2619	

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(Placer Clair) Water Woeh # 1 - 32 (219-239) Beginning NW Cor of the E/2, SE/4, Sul 9 Sec 4 T.6 R 26 c (12/27/73) ESSEX INTERNATIONAL Date_ LOCATION ES-31 DESCRIPTION Nw Cor then South 1320' to 2609.2614 the Sus Core then East 660' to the SE COR The N 1320' to the NE Con them W 660' to the beginning Produces mineral moon # 10 vor some 11/19/74 100' for the 228 - 375 11/19/74 100' for the ASSAYS Cu East Center and a 1400 from the west and y clan - SE to New Direction. 3928.4 m a N 58° 35'E Direction N⁰ 00351 flor the s'la Corner Sec 2 76-S ESSEX INTERNATIONAL Date ___ R-26E - more fast deriction is N75°45'W ASSAYS 1500', 5 19°55 600', 575°45'E 1500' 2

September 6, 1974

TO: Robert Holt FROM: Bob Helming

SUBJECT: Status of drill hole ES-31 on the Nail Keg 3 claim.

The included sketch map indicates the location of drill hole ES-31 which was recently drilled to 1800 feet to fulfill assessment requirements on the Nail Keg, Bohemia and other contiguous claim groups.

So far as Essex knows there is an information gap in the area between the San Juan and PD ore bodies and adjacent to the Butte Fault on the north or footwall side. Information from this area could determine what, if any, connection exists between the San Juan and PD ore bodies at depth. From a somewhat more speculative viewpoint the data could aid in defining the shape, position and dimensions of the PD ore body since it is now apparent that PD is doing considerable underground drilling to answer those same questions. All of this data would significantly affect any future decisions concerning Essex land position in the Safford area.

The best way to test the area would have been to drill north of the fault on the San Juan property. This was impossible due to legal problems therefore the alternative was to collar a hole at the present site of ES-31 and attempt to drill through the fault to test the ground beneath the fault. The drill hole should penetrate the fault at approximately 2300 feet assuming a dip of 65 degrees for the fault. We can expect large fracture zones on both sides of the fault plane. The hole was rotary drill 5 3/4 inches diameter to 1800 feet and then filled with drilling mud. No casing was emplaced so the hole may be continued by rotary drill through the fault and then cased.

The biotite-chlorite alteration and mineralization of trace to locally moderate copper oxide in the hanging wall was anticipated based on prior knowledge of nearby outcrops and drill holes. A more detailed log will be prepared when assays are available.

Drill hole ES-31 was stopped on August 28 because the necessary money had been spent for assessment work on the claim group. I recommend Essex continue the hole as soon as a satisfactory drill can be contracted for the following reasons:

1) The hole is testing the last area on the claim group where there is insufficient data to form a reasonable geologic conclusion.

MEMO

- 2) It seems very probable that Essex will maintain its property position for some time and will eventually have to do next years assessment work.
- 3), The longer the hole is left standing the less likely it can be reentered although it appeared to be in good condition.
- 4) The project geologist is presently located in Safford to handle the drilling.

Arguments against continuing the hole now are:

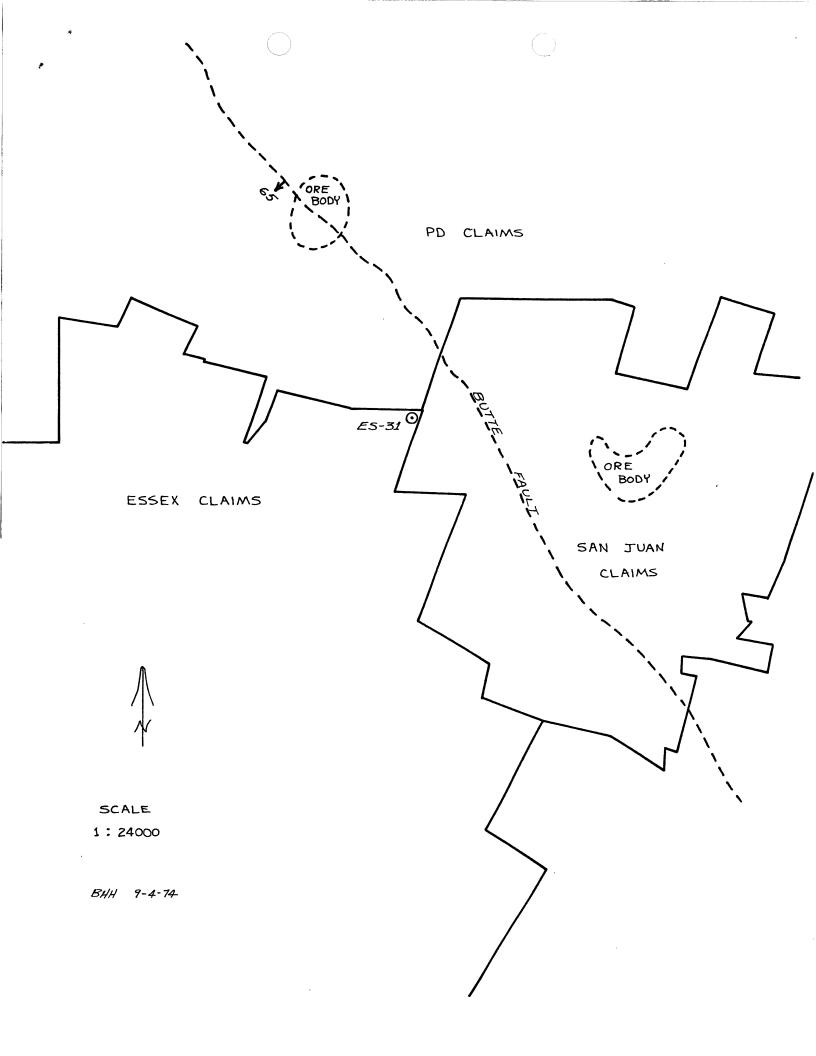
- 1) The claims may be dropped before we have to do next years assessment work.
- 2) No valid target exists and it is an expensive method of data collecting.
- 3) There is the unlikely possibility that PMC could subpoen the drill hole data because the hole is collared only 65 feet from the San Juan property.

Drilling through a major fault at depths exceeding 2000 feet will be a formidable task therefore nothing smaller than a Boyles Bros. DMX drill should be considered. Following are some cost estimates assuming the hole is rotaty drilled to 2600 feet, cased with $3\frac{1}{2}$ inch pipe and cored Nx to 3500 feet.

Rotary drilling to 2600 feet	\$ 9,500
Additives, bits, water truck, etc.	\$ 6,000
Casing	\$11,700
Coring 2600 to 3500 feet	\$15,000
Additives, bits, water truck, etc.	<u>\$8,000</u>
Total	\$50,200

The cost of the hole should be compared to the semiannual property payments for these claim groups of approximately \$65,000. Furthermore, if the hole is drilled now the major portion of the assessment work would be done until July of 1976.

> Bob Helming Project Geologist Safford, Arizona



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DRILLING	
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	WASHING OR CLEANING
В	ITS AND SHELLS
BIT NOSIZE & TYPE	OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole	condition) trup norda and
DRILLER U NEW	HELPER A Carl
MACHINE NO7	FOREMAN

B TLES BROS. DRILLING COMP. Y SHIFT REPORT
704 LOC. SAFFORD DATE 12-10-74 HOLE NO. ES 31
NITEHOLE NO. <u>ES_3/</u>
OF SHIFT
DFROMTOSIZE
PILLEDFROMTO
TIME CHARGES
3 CEMENTING
EGONT
TEAR DOWN WATER DELAT
MUD
SIZE & TYPEOVERSIZEONOFF
ONOFF
REASON TOK RETING
KS (Explain delays and hole condition) trip while in 7 I dilling, new lit at 2487 I chembation of 2 593
R John Borgstadt HELPER Kous's Romero NE NO FOREMAN
IC PORTLAND DVERED IC ADDITIVES DOCK WATER OCK TO D FROM TO SIZE D FROM TO SIZE AED FROM TO SIZE STAND-BY OR SURVEY WATER DELAY WUD WATER DELAY MUD WATER DELAY MUD WATER DELAY MUD BITS AND SHELLS IO. TYPE ON OFF NDITION REASON FOR RETIRING KS [Explain delays and hole condition]

B YLES BROS. DRILLIN COMP. Y SHIFT REPORT ____ DATE 12 -11-74 LOC. Saffar HOLE NO. ES31 OB 6-704 _NITE_ SHIFT DAY _____ SWING___ MUD_12 mile RODS, END OF SHIFT____ TYPE 6 Yourd STICKUP, END OF SHIFT __ CAL-SEAL DEPTH, END OF SHIFT_ IUMNITE. DEPTH, START OF SHIFT_ PORTLAND ADDITIVES DRILLED _____ WATER Florad CORE RECOVERED TYPE OF ROCK FROM______ TO______ \$IZE_____ NUMBER OF RUNS_ _FROM ______ TO ______ SIZE_____ FEET CASED_____ FEET REAMED_____ _____TO______ FROM_____ CEMENT DRILLED TIME CHARGES CEMENTING _____ 5 EQUIP. REPAIR _____ DRILLING_____ STAND-BY OR SURVEY 3 REAMING_____ CASING_____ WATER DELAY_____ WASHING OR CLEANING_____ SET-UP, TEAR DOWN_____ MIXING MUD_____ BITS AND SHELLS BIT NO.______SIZE & TYPE _____OVERSIZE _____ON ____OFF _____ _____ON ______OFF _____ SHELL NO._____TYPE_____ _REASON FOR RETIRING_____ BIT CONDITION REMARKS (Explain delays and hole condition)_____ HELPER Xall DRILLER Nok FOREMAN MACHINE NO. -7

B YLES BROS. DRILLING COMP SHIFT REPORT Saffer DATE 12-11-7K JOB_6-204 LOC._ HOLE NOES 31 SWING SHIFT DAY_____ MUD_6 mu RODS, END OF SHIFT_ TYPE 4 -5 mild Sea STICKUP, END OF SHIFT DEPTH, END OF SHIFT 25.23 CAL-SEAL LUMNITE DEPTH, START OF SHIFT 2520 PORTLAND. DRILLED ____ ADDITIVES_ lia CORE RECOVERED___ WATER 2 TYPE OF ROCK NUMBER OF RUNS____ FROM______ TO_____ SIZE_____ FROM ______ TO _____ SIZE _____ FEET CASED_____ FEET REAMED____ то____ FROM____ CEMENT DRILLED_ TIME CHARGES CEMENTING _____ DRILLING____ EQUIP. REPAIR _____ REAMING_____ STAND-BY OR SURVEY CASING_____ WATER DELAY___ SET-UP, TEAR DOWN_____ 10 WASHING OR CLEANING_ MIXING MUD_ BITS AND SHELLS BIT NO._____SIZE & TYPE_____OVERSIZE____ON____OFF_____ ____ON _____OFF _____ SHELL NO._____TYPE_____ _REASON FOR RETIRING_ BIT CONDITION REMARKS (Explain delays and hole condition) trup redes and to coment hale DRILLER John Borgstort HELPER foris FOREMAN_ MACHINE NO. ----7

1	S BROS. DRILLING COMP	\bigcirc
6-704	LOC. SAIFFORD DATE 13-12-74	
SHIFT DAYSWI	NGHOLE NOES-3/	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER	
FEET CASED	FROM TO SIZE	
FEET REAMED	FROM TO SIZE	
CEMENT DRILLED	FROM TO	
	TIME CHARGES	
DRILLING	CEMENTING 7	
CASING		
SET-UP, TEAR DOWN	NULL TED DELAV	
MIXING MUD	WASHING OR CLEANING	
	BITS AND SHELLS	
BIT NOSIZE	& TYPEOVERSIZEONOFF	
	OFFOFF	
SHELL NO.		
BIT CONDITION	history	
REMARKS (Explain dela <u>coment</u> c <u>caul Wal</u>	ays and hole condition) go in & called coment went out formation. two fill the puls	
DRILLER <u>John Bo</u> Machine No 7	FOREMAN	· · ·

B YLES BROS. DRIL	LING COMP	\bigcirc
B LES DROOT ER	1 12-74	
JOB <u>6 - 76 4</u> LOC. Saffard SHIFT DAY <u>Swing</u> N	DATE <u>7295</u> HOLE NO. <u>553</u>	
SHIFT DAY SWINGN		
	MUD of mid 2	
RODS, END OF SHIFT		
CTICKUP END OF SHIFT	CAL-SEAL	
DEPTH END OF SHIFT		
DEPTH START OF SHIFT	AND 135X LOucenne	
	ADDITIVES WATER: <u>2 loads</u>	
	WATER 2 loads	
TYPE OF ROCK		
NUMBER OF RUNS	SIZE	
NUMBER OF RUNS	10 size	
EDIM		
FEET REAMED FROM		
	CEMENTING_//O	
DRILLING	EQUIP. REPAIR	
REAMING	STAND-BY OR SURVEY	-
CASING	WATER DELAY	-
SET-UP, TEAR DOWN	WATER DELAT	-
MIXING MUD	WASHING OR CLEANING	=
	ND SHELLS	
	OVERSIZEONOFF	_
BIT NOSIZE & TYPE		
	ONOFF	_
SHELL NOTYPE	REASON FOR RETIRING	
BIT CONDITION	- Rendered - Internet	
REMARKS (Explain delays and hole con	dition) alin 290 ce cou	
REMARKS (Explain delays and hole con pupe Combost al	aler of	
-pape		
	0	
A Hehr	HELPER Vanes	
DRILLER	FOREMAN	
MACHINE NO		
7		

	\bigcirc		
B YLES BROS.	DRILLING COMP		
SHI	FT REPORT		
JOB 6 - 704 LOC. Say	NITEHOLE NO. 5321		
SHIFT DAY SWING	ноле NO. <u>632</u>		
	1 cm 1 0		
RODS, END OF SHIFT	MUD Kox mind 2		
STICKUP, END OF SHIFT	TYPE / Duil Shal		
DEPTH, END OF SHIFT DEPTH, START OF SHIFT2523	CAL-SEAL LUMNITE / mulche stringe		
DRILLED	PORTLAND 145x portland		
	ADDITIVES		
TYPE OF ROCK	WATER 2 loads		
NUMBER OF RUNS			
FEET CASEDFROM	TO SIZE		
FEET REAMED FROM	TO SIZE		
CEMENT DRILLED FROM	то		
TIM	E CHARGES		
DRILLING	CEMENTING / O		
REAMING	EQUIP. REPAIR		
CASING	STAND-BY OR SURVEY		
SET-UP, TEAR DOWN	WATER DELAY		
MIXING MUD	WASHING OR CLEANING		
BITS	AND SHELLS		
BIT NOSIZE & TYPE	OVERSIZEONOFF		
SHELL NOTYPE	ONOFF		
BIT CONDITION	REASON FOR RETIRING		
REMARKS (Exolgin delays and hole condition) Stand Control Control Concent hole Trypin + Warting an Camerit Wark aburn			
alphal.	HEIDEB JOANE		
DRILLER WIGHT			
MACHINE NO7	FOREMAN		

STICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT CAL-SEAL DEPTH, START OF SHIFT LUMNITE DRILLED PORTLAND CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS TO FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE CASING TO	
NOBOL END OF SHIFT TYPE DEPTH, END OF SHIFT CAL-SEAL IUMNITE DEPTH, START OF SHIFT LUMNITE PORTLAND DRILLED PORTLAND ADDITIVES CORE RECOVERED ADDITIVES WATER NUMBER OF RUNS TO SIZE FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE CALSING ? CEMENTING WATER SET-UP, TEAR DOWN ? STAND-BY OR SURVEY SWATER DELAY MIXING MUD * WASHING OR CLEANING WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS STAND-BUD STAND-BUD <th></th>	
STICKOT, END OF SHIFT CAL-SEAL DEPTH, END OF SHIFT LUMNITE DEPTH, START OF SHIFT LUMNITE DRILLED PORTLAND CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS TO FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE DRILLING ? CEMENTING EQUIP. REPAIR REAMING ? CASING ? SET-UP, TEAR DOWN ? MIXING MUD ? BITS AND SHELLS	
DEPTH, START OF SHIFT IUMNITE DRILLED PORTLAND CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS WATER FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE DRILLING ? CEMENTING EQUIP. REPAIR SET-UP, TEAR DOWN % MIXING MUD WASHING OR CLEANING WASHING OR CLEANING WASHING OR CLEANING	
DRILLED PORTLAND CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS WATER FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE DRILLING 7 CEMENTING EQUIP. REPAIR CASING 9 SET-UP, TEAR DOWN WASHING OR SURVEY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS	
CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS TO FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE CASING ? CASING ? SET-UP, TEAR DOWN ? MIXING MUD * WATER DELAY WASHING OR CLEANING BITS AND SHELLS	
TYPE OF ROCK WATER NUMBER OF RUNS TO FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE DRILLING 7 CEMENTING 7 CEMENTING 8 STAND-BY OR SURVEY 8 STAND-BY OR SURVEY 8 WATER DELAY WASHING OR CLEANING MIXING MUD WASHING OR CLEANING BITS AND SHELLS STAND SHELLS	
NUMBER OF RUNS FROM TO SIZE FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE DRILLING FROM TO SIZE DRILLING FROM TO SIZE CASING ? CEMENTING EQUIP. REPAIR CASING ? STAND-BY OR SURVEY ? SET-UP, TEAR DOWN % WATER DELAY WASHING OR CLEANING MIXING MUD BITS AND SHELLS BITS AND SHELLS	
FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE CEMENT DRILLED FROM TO SIZE DRILLING FROM TO SIZE DRILLING FROM TO SIZE CASING ? CEMENTING EQUIP. REPAIR CASING ? STAND-BY OR SURVEY S SET-UP, TEAR DOWN Ø WASHING OR CLEANING WASHING OR CLEANING MIXING MUD BITS AND SHELLS STAND-BY OR STANING	
CEMENT DRILLED FROM TO TIME CHARGES DRILLING ? CEMENTING REAMING ? CEMENTING CASING ? EQUIP. REPAIR SET-UP, TEAR DOWN ? STAND-BY OR SURVEY MIXING MUD WASHING OR CLEANING BITS AND SHELLS	
TIME CHARGES DRILLING ? CEMENTING REAMING ? CEMENTING REAMING ? CEMENTING CASING ? CEMENTING STAND-BY OR SURVEY_S STAND-BY OR SURVEY_S WATER DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS SHELLS	
TIME CHARGES DRILLING ? CEMENTING REAMING ? CEMENTING REAMING ? CEMENTING CASING ? CEMENTING STAND-BY OR SURVEY_S STAND-BY OR SURVEY_S WATER DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS SHELLS	
REAMING Bits and shells REAMING Bits and shells	
CASING	
CASING	
SET-UP, TEAR DOWN O WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS	
MIXING MUD WASHING OR CLEANING BITS AND SHELLS	
BITS AND SHELLS	
SHELL NO TYPEONOFF	
BIT CONDITIONREASON FOR RETIRING	
REMARKS (Explain delays and hole condition) by down d	ril
REMARKS (Explain derays and note condition)	

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B B LE		LING COM	₩ ₩	\bigcirc
		REPORT	11 Í	
JOB 6-704	_LOC. Day	Jun DATE.	11. 23-74	-
SHIFT DAYSWI	NG	NITEHC	DLE NO	_
				=
RODS, END OF SHIFT		MUD		
STICKUP, END OF SHIFT				
DEPTH, END OF SHIFT		CAL-SEAL		_
DEPTH, START OF SHIFT	LOS			
DRILLED		PORTLAND		- ,
CORE RECOVERED		ADDITIVES	· · · · · · · · · · · · · · · · · · ·	-
TYPE OF ROCK		WATER		-
NUMBER OF RUNS				=
FEET CASED	FROM	то	SIZE	-
FEET REAMED	FROM	то	\$IZE	_
CEMENT DRILLED	FROM	то		
-	TIME C	HARGES		=
		EQUIP. REPAIR		-
CASING		STAND-BY OR S		-
SET-UP, TEAR DOWN			•	_
MIXING MUD		WASHING OR CL	EANING	-
				=
		D SHELLS		
BIT NOSIZE &	11PE	OVERSIZEC	NOFF	-
SHELL NO	TYPE	ON	OFF	-
BIT CONDITION		REASON FOR RETI		-
REMARKS (Explain delays	and hole conditiv	and day O Ch	Lenc.	=
	and an	Clising A	2up nem)	
Cable on	Kelley	lint		
	/			-
9		- 15	······	
DRILLER A Lefa	John	HELPER	Frank 8	
MACHINE NO.	V	FOREMAN		
7				

BC ILES BROS. DWLING COMP/ Y SHIFT REPORT DATE 11-25-74 JOB 6-704 LOC. Saff _HOLE NO. <u>\$ \$ 3</u>/ SHIFT DAY _____ SWING_ NITE MUD_ RODS, END OF SHIFT___ Shoe Car TYPE_ STICKUP, END OF SHIFT _____ min Leno CAL-SEAL DEPTH, END OF SHIFT___ DEPTH, START OF SHIFT 2/05 LUMNITE 20 port PORTLAND. DRILLED_ ADDITIVES. CORE RECOVERED WATER _ TYPE OF ROCK NUMBER OF RUNS___ 0 TO 2105 SIZE 3 - 30 ID FEET CASED______FROM____ _____ FROM ______ TO _____ SIZE _____ FEET REAMED CEMENT DRILLED_____ __ FROM_____ TO____ TIME CHARGES 2 hrs CEMENTING ____ DRILLING_ EQUIP. REPAIR _____ REAMING_ STAND-BY OR SURVEY_____ CASING____ WATER DELAY_ SET-UP, TEAR DOWN_ WASHING OR CLEANING____ MIXING MUD_ **BITS AND SHELLS** BIT NO._____SIZE & TYPE_____OVERSIZE____ON____OFF____ _____ON _____OFF ____ SHELL NO._____TYPE_____ REASON FOR RETIRING BIT CONDITION____ Case REMARKS (Explain delays and hole condition). Wad asine DA orwn. 0 Á HELPER Stering Yohorus DRILLER Cl Hely Tom MACHINE NO. ____ FOREMAN 7

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BC ILES BROS. DK. 2LING COMP/ Y	\bigcirc
SHIFT REPORT	
JOB 6- 607 LOC. Saffred DATE 11-26-74	
SHIFT DAYSWINGNITEHOLE NO. ES 3/	
1-mil Zi	
RODS, END OF SHIFT MUD_6=mud 2	
STICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT CAL-SEAL	
DEPTH, END OF SHIFT CAL-SEAL DEPTH, START OF SHIFT 2/05 LUMNITE / Caustic Side	
DRILLED PORTLAND	
CORE RECOVERED ADDITIVES	
TYPE OF ROCK WATER_/ Load	
NUMBER OF RUNS	
FEET CASED FROM TO SIZE	
FEET REAMED FROM TO SIZE	
CEMENT DRILLED FROM TO	
TIME CHARGES	
DRILLING CEMENTING	
REAMING EQUIP. REPAIR	
CASING STAND-BY OR SURVEY	
SET-UP, TEAR DOWN VATER DELAY	
MIXING MUD D WASHING OR CLEANING	
BITS AND SHELLS	
BIT NOSIZE & TYPEOVERSIZEONOFF	
)	
SHELL NOTYPEONOFF	
BIT CONDITIONREASON FOR RETIRING	
REMARKS (Explain delays and hole condition) fland Core pipe	
From other Rocations to set up coving	
DRILLER a Kehr Tom HELPER Louis + 0	
MACHINE NO FOREMAN 7	t

10B 6 704 LOC. Safe	and DATE L	1-2.7.74		
IOB 6 704 LOC. Saffe	NITEHOL	E NO. <u>ES. 3/</u>		
ODS, END OF SHIFT	MUD			
TICKUP, END OF SHIFT	ТҮРЕ			
DEPTH, END OF SHIFT	CAL-SEAL			
DEPTH, START OF SHIFT				
	PORTLAND ADDITIVES			
	WATER			
TYPE OF ROCKNUMBER OF RUNS				
FEET CASEDFROM				
FEET REAMED FROM				
CEMENT DRILLED FROM	TO			
TIME	CHARGES	1		
DRILLING	CEMENTING			
REAMING	EQUIP. REPAIR	4		
CASING	STAND-BY OR SU	RVEY		
SET-UP, TEAR DOWN	() WATER DELAY			
MIXING MUD	WASHING OR CLE	ANING		
BITS AND SHELLS				
BIT NOSIZE & TYPE	OVERSIZEO	NOFF		
SHELL NOTYPE	ON	OFF		
BIT CONDITION	REASON FOR RETIR	ING		
REMARKS, (Explain delays and hole cond	lition) De Cut of	Casena		
Set pump & How	the up for (oning		

SHIF	T REPORT
JOB 6-704 LOC. Saf	ford DATE 11-27.74 HOLE NO. E-5-31
SHIFT DAYSWING	NITEHOLE NO. <-> .2/
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	MUD 6 SX mud TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER 3 Landa
	TO SIZE
	TO SIZE
CEMENT DRILLED FROM	то
TIME	CHARGES
DRILLING	CEMENTING
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	WASHING OR CLEANING
	AND SHELLS OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole con 2000 ft 4 min	dition) Lowen pipe in mid.
DRILLER Tom Jahn Machine No 7	HELPER Sterling

B YLES BROS. DRILLING COMP YY SHIFT REPORT	
JOB 6-704 LOC. Saffard DATE 11-29-7	4
SHIFT DAYSWINGNITEHOLE NO.	3/
RODS, END OF SHIFT MUD 3 much 2- STICKUP, END OF SHIFT TYPE 1 Driced	
DEPTH, END OF SHIFT 2118 CAL-SEAL	
DEPTH, START OF SHIFT 2/65 LUMNITE DRILLEDPORTLAND	
CORE RECOVERED 1.3 ADDITIVES	
TYPE OF ROCK WATER 3 lond'	
NUMBER OF RUNS	
FEET CASED FROM TO SIZE	
FEET REAMED FROM	
CEMENT DRILLED FROM TO	
TIME CHARGES	
DRILLING 4 CEMENTING	
REAMING EQUIP. REPAIR	
CASINGSTAND-BY OR SURVEY	a
SET-UP, TEAR DOWN	
BITS AND SHELLS	
BIT NOSIZE & TYPEOVERSIZEONOFF	
SHELL NO TYPEONOFF	
BIT CONDITIONREASON FOR RETIRING	
REMARKS (Explain delays and hole condition) Dullart Canta + plus. 30 ft Cament to Dank of our	at
DRILLER Of Hele Jahn HELPER Louis	
MACHINE NO FOREMAN 7	. 1

	DRILLING COMPANY
$\frac{\text{JOB} - 229}{\text{SHIFT DAY}} = \frac{1009 - 209}{\text{SWING}} = \frac{1009}{\text{SWING}}$	re 71
RODS, END OF SHIFT	MUD
FEET CASEDFROM	TO \$IZE
	TO \$IZE
CEMENT DRILLED FROM_	то
	E CHARGES
DRILLING	CEMENTING
REAMING	EQUIP. REPAIR
CASING	•
SET-UP, TEAR DOWN	9
MIXING MUD	WASHING OR CLEANING
BITS	AND SHELLS
	OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole con	dition)
DRILLER Tom Borgstadt MACHINE NO.	- HELPER Sterling

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['] SH	DRILLING COMPA'Y
10B 6 - 704 LOG Say	ford DATE 12-2-74
SHIFT DAY SWING	NITEHOLE NO. <u>531</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	CAL-SEAL LUMNITE / Courled PORTLAND ADDITIVES
FEET CASED FROM	N TO SIZE
	TO SIZE
CEMENT DRILLED FROM	м то
DRILLING	AE CHARGES _ CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY
SET-UP, TEAR DOWN	
MIXING MUD	WASHING OR CLEANING
	S AND SHELLS OVERSIZEONOFF
SHELL NOTYPE	OFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole co	ondition)
DRILLER al Hehi	HELPER Darma
MACHINE NO.	FOREMAN.
7	

SHI	DRILLING COMPA. Y	
JOB 6- 704 LOC. 597	DATE 12-2-74	
SHIFT DAYSWING	NITEHOLE NO. <u>£5-31</u>	
RODS, END OF SHIFT	MUD TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER	
FEET CASED FROM	TO SIZE	
FEET REAMED FROM	TO SIZE	
CEMENT DRILLED FROM	то	
	E CHARGES	
DRILLING		
REAMING	EQUIP. REPAIR	i
CASING	STAND-BY OR SURVEY	
SET-UP, TEAR DOWN		
MIXING MUD	WASHING OR CLEANING	:
	OVERSIZEONOFF	
SHELL NOTYPE	ONOFF	
	REASON FOR RETIRING	_
REMARKS (Explain delays and hole co	ndition)	
DRILLER Tom Boroptao MACHINE NO7	Helper Sterling	

j.	\bigcirc	
BC LES BROS. D		
JOB 6- RACK LOC. Sal	land DATE 12 - 3-74	-
SHIFT DAYSWING	HOLE NO. 25 3	
		:
RODS, END OF SHIFT	MUD 3 Mud 2	
STICKUP, END OF SHIFT	TYPE	
DEPTH, END OF SHIFT 2230		-
DEPTH, START OF SHIFT 2200	LUMNITE PORTLAND	-
DRILLED <u>30</u> CORE RECOVERED <u>30</u>		-
	WATER_1-load	-
NUMBER OF RUNS	(=
FEET CASEDFROM	TO SIZE	
FEET REAMED FROM	TO SIZE	-
CEMENT DRILLED FROM	ТО	_
	CHARGES	_
DRILLING	CEMENTING	
REAMING	EQUIP. REPAIR	- 1
CASING	STAND-BY OR SURVEY	-
SET-UP, TEAR DOWN	WATER DELAY	. 1
MIXING MUD	WASHING OR CLEANING	<u>-</u>
BITS A	AND SHELLS	-
BIT NOSIZE & TYPE	OVERSIZEONOFF	-
SHELL NOTYPE	ONOFF	-
BIT CONDITION	REASON FOR RETIRING	- -
REMARKS (Explain delays and hole cond	dition)	-
		-
		-
	Δ	
mi) la ali	all a str	-
DRILLER	HELPER	-
MACHINE NO	FOREMAN	-
• 		

BOYLES BRUS. DRILLING COMPANY SHIFT REPORT				
JOB 6-704	LOC. SAFFFC		12-3-74	
SHIFT DAYS	WING	NITE HC	LE NO. <u>(533/</u>	
RODS, END OF SHIFT_ STICKUP, END OF SHIFT_ DEPTH, END OF SHIFT_ DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	2209 2230 39 39	CAL-SEAL LUMNITE PORTLAND	tic soda	
FEET CASED	FROM	то	SIZE	
FEET REAMED				
CEMENT DRILLED	FROM	то		
	TIME C	HARGES		
DRILLING 10				_
		EQUIP. REPAIR		_
CASING		STAND-BY OR S	URVEY	_
SET-UP, TEAR DOWN		WATER DELAY		_
MIXING MUD	فد مح			_
		D SHELLS		
BIT NOSIZE	& TYPE	OVERSIZEC	NOFF	-
SHELL NO	TYPE	ON	OFF	-
BIT CONDITION		REASON FOR RETI	RING	_
REMARKS (Explain dela	ys and hole condition	on)		-
3	· · · · · · · · · · · · · · · · · · ·			-
ORILLER John Bo	aptered to	HELPER DY	\mathcal{O}	-
MACHINE NO		FOREMAN		

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SHIF	DRILLING CUIVITA I	
JOB 6 704 LOC. Soft	Care 12-4-7×	
SHIFT DAYSWING	DATE 12-4-74	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT2295 DEPTH, START OF SHIFT2269 DRILLED26 CORE RECOVERED26 TYPE OF ROCKMD NUMBER OF RUNS3	MUD_ <u>3</u> mud Z. TYPE <u>J</u> <u>Prical</u> CAL-SEAL <u>J Dicks mus</u> <u>Seal</u> LUMNITE PORTLAND ADDITIVES WATER <u>J</u>	
FEET CASEDFROM	TO SIZE	
FEET REAMED FROM _	TO SIZE	
CEMENT DRILLED FROM_	TO	
TIME	CHARGES	
DRILLING	CEMENTING	
REAMING	EQUIP. REPAIR	
CASING	STAND-BY OR SURVEY	
SET-UP, TEAR DOWN	WATER DELAY	
MIXING MUD	WASHING OR CLEANING	
BITS	AND SHELLS	
BIT NOSIZE & TYPE	OVERSIZEONOFF	l.
SHELL NOTYPE	ONOFF	
BIT CONDITION	REASON FOR RETIRING	
REMARKS (Explain delays and hole con .'	dition) <u>repark Survel</u>	
	HELPER Drie	
	FOREMAN	-

OB 6-704 LO	SAM	さらう	_DATE //	-15-74
SHIFT DAYSWING_				
		#0	- 25	ACAS
ODS, END OF SHIFT		MUD_ <u>B</u> MUD FIBL	- 35	ACAS ACAS
TICKUP, END OF SHIFT DEPTH, END OF SHIFT				
DEPTH, START OF SHIFT		LUMNITE		
DRILLED		PORTLAN	1D	
		ADDITIV	ES	
TYPE OF ROCK		WATER_		
NUMBER OF RUNS				
EET CASED	FROM	тс)	SIZE
EET REAMED	FROM	тс)	SIZE
CEMENT DRILLED	FROM	тс)	
	TIME	CHARGES		
DRILLING		CEMENT	ING	
REAMING		EQUIP.		
CASING		STAND-I	BY OR SUI	RVEY
SET-UP, TEAR DOWN		WATER I	DELAY	
MIXING MUD	/	0 WASHIN	G OR CLE	ANING
	BITS A	ND SHELLS		
BIT NOSIZE & TY	PE		ON	IOFF
SHELL NOTY	PE		ON	OFF
BIT CONDITION		REASON	FOR RETIR	NG
REMARKS (Explain delays an	d hole cond (mig	ition) low	er in	rods t
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			1	

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JOB_ <u>6-704</u> _LC SHIFT DAYSWING	c. <u>Set</u>		11-15-74 DIE NO	
SHIFT DATSWING				=
RODS, END OF SHIFT				
STICKUP, END OF SHIFT				
DEPTH, END OF SHIFT				
DEPTH, START OF SHIFT				_
DRILLED				
CORE RECOVERED				
		WATER		
NUMBER OF RUNS				
FEET CASED				
FEET REAMED				
CEMENT DRILLED	FROM	TO		
	TIME	CHARGES		-
DRILLING		CEMENTING		_
REAMING		EQUIP. REPAIR_		
CASING		STAND-BY OR	SURVEY	-
SET-UP, TEAR DOWN				
MIXING MUD		WASHING OR C	LEANING	_
<u></u>		AND SHELLS		
BIT NOSIZE & TY			ONOFF	-
SHELL NOTYI	PE	ON	OFF	_
BIT CONDITION		REASON FOR RET		
REMARKS (Explain delays and	d hole cond	lition)_clean	outhol	-
	pare.			
				_
			·	
	41.	17. A	<i>.</i>	
DRILLER Tom Borok	Tadt	HELPER_Ste	rling	

ES BROS. DALLING COMPAT BO' SHIFT REPORT DATE 11 -18-7%. JOB6. 700 100 HOLE NO. NITE SWING_ SHIFT DAY_ MUD_105X 4 RODS, END OF SHIFT_____ TYPE STICKUP, END OF SHIFT_____ el Can DEPTH, END OF SHIFT_____ CAL-SEAL DEPTH, START OF SHIFT_____ LUMNITE PORTLAND. DRILLED ADDITIVES. CORE RECOVERED ____ WATER 1. loa TYPE OF ROCK_ NUMBER OF RUNS____ _____ TO_____ SIZE_ _ FROM ____ FEET CASED____ _____ TO______ SIZE____ FROM ____ FEET REAMED _ TO. FROM CEMENT DRILLED_ TIME CHARGES Fourle CEMENTING_ PRILING EQUIP. REPAIR_ REAMING____ STAND-BY OR SURVEY___ CASING_____ WATER DELAY___ SET-UP, TEAR DOWN____ WASHING OR CLEANING_ MIXING MUD. fits and shells 🗳 New! OFF SIZE & TYPE OVERSIZE_ ON_ BIT NO.___ SHELL NO._____TYPE____ ON _OFF ____ REASON FOR RETIRING BIT CONDITION____ town Nas REMARKS (Explain delays and hole condition)_ 1560. 35 near Å 1 Stehr oma HELPER FOREMAN MACHINE NO. ان ا ്ച് 7

BO' ES	BROS. DR		(1A	\bigcirc
JOB 6-704	a SAIELEO		11-119 -74	
SHIFT DAYSWING				
RODS, END OF SHIFT		MUD#2/50	PCK	
STICKUP, END OF SHIFT		FORMHDEHYD	-5946	
DEPTH, END OF SHIFT				
DEPTH, START OF SHIFT				
DRILLED				
CORE RECOVERED				
TYPE OF ROCK		WA1ER		
NUMBER OF RUNS				
FEET CASED				
FEET REAMED	FROM	TO	SIZE	
CEMENT DRILLED	FROM	то		
	TIME CHA	ARGES		
Houperf Datating8				
		EQUIP. REPAIR		
CASING			URVEY	
		• • • • •		
SET-UP, TEAR DOWN			EANING	
	BITS AND			
BIT NOSIZE &	[YPEO	VERSIZEC	ONOFF	
SHELL NOT	YPE	ON	OFF	
BIT CONDITION		REASON FOR RET	RING	
REMARKS (Explgin delays a	nd hale condition	1 lon shina	down to-	
1600 Lot of				
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	+1			
DRILLER John Bor	Alad H	ELPER Frank	Byram	
MACHINE NO.	E 4		1-66-3010	

JOB_6-704 LOC. Safes and the set of th	1 DAIL	-	REPORT	11.16 76
RODS, END OF SHIFT				
STICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT CAL-SEAL DEPTH, START OF SHIFT LUMNITE DRILLED PORTLAND CORE RECOVERED ADDITIVES STYPE OF ROCK WATER NUMBER OF RUNS TO STEET CASED FROM TO SIZE STEET REAMED FROM TO SIZE STIME CHARGES SIZE CEMENT DRILLED FROM TO SIZE CEMENT ING EQUIP. REPAIR MUMINING WATER DELAY WATER DELAY WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS BIT NO. SIZE & TYPE ON SHELL NO. TYPE ON SHELL NO. TYPE ON	SHIFT DAYSWING	;		OLE NO. <u>F 5 5</u>
TICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT CAL-SEAL DEPTH, START OF SHIFT LUMNITE DRILLED PORTLAND CORE RECOVERED ADDITIVES SCORE RECOVERED ADDITIVES NUMBER OF RUNS WATER NUMBER OF RUNS TO STEET CASED FROM TO SIZE STEET REAMED FROM STEET REAMED FROM STEET REAMED STAND SURVEY WATER DELAY WATER DELAY WATER DELAY WASHING			5	1# 7
CAL-SEAL				
DEPTH, START OF SHIFT LUMNITE DRILLED PORTLAND CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS TO FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE CEMENTING EQUIP. REPAIR CASING EQUIP. REPAIR MIXING MUD WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS BIT NO. SIZE & TYPE ON OFF SHELL NO. TYPE ON OFF BIT CONDITION	-			
PORTLAND DRILLED PORTLAND CORE RECOVERED ADDITIVES TYPE OF ROCK WATER NUMBER OF RUNS WATER FEET CASED FROM TO SIZE FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO SIZE CEMENTING EQUIP. REPAIR CASING WATER DELAY WASHING OR CLEANING WASHING OR CLEANING BITS AND SHELLS BIT NO. BIT CONDITION <td></td> <td></td> <td></td> <td></td>				
ADDITIVES				
TYPE OF ROCK WATER NUMBER OF RUNS TO FEET CASED FROM TO SIZE FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO O Mixing G CEAR DOWN WATER DELAY WASHING OR CLEANING WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS BIT NO. SIZE & TYPE ON OFF SHELL NO. TYPE ON OFF BIT CONDITION REASON FOR RETIRING Interned				
NUMBER OF RUNS				
FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO TO Howrly TIME CHARGES Howrly B CEMENTING PREAMING EQUIP. REPAIR EQUIP. REPAIR CASING STAND-BY OR SURVEY WATER DELAY SET-UP, TEAR DOWN WATER DELAY WATER DELAY MIXING MUD BITS AND SHELLS BITS AND SHELLS BIT NO. SIZE & TYPE ON OFF SHELL NO. TYPE ON OFF			1171 BN	
FEET REAMED FROM TO SIZE CEMENT DRILLED FROM TO TO Hown by Genenting EQUIP. REPAIR TO CASING Stand-by OR SURVEY Stand-by OR SURVEY Water Delay SET-UP, TEAR DOWN WATER DELAY Washing OR CLEANING TO BITS AND SHELLS BITS AND SHELLS OVERSIZE ON OFF SHELL NO. TYPE ON OFF OFF BIT CONDITION REASON FOR RETIRING TO TO	EET CASED	FROM	то	SIZE
CEMENT DRILLED FROM TO How rly TIME CHARGES Mow rly B CEMENTING EQUIP. REPAIR REAMING EQUIP. REPAIR CASING STAND-BY OR SURVEY SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS BIT NO. SIZE & TYPE ON OFF SHELL NO. TYPE ON OFF	FEET REAMED	FROM	TO	SIZE
TIME CHARGES DIFFUNC S DIFFUNC S CEMENTING EQUIP. REPAIR REAMING EQUIP. REPAIR CASING STAND-BY OR SURVEY CASING WATER DELAY SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BITS AND SHELLS BIT NO. SIZE & TYPE ON OFF SHELL NO. TYPE ON OFF BIT CONDITION REASON FOR RETIRING In a degree				
BATELING D CEMENTING REAMING EQUIP. REPAIR CASING STAND-BY OR SURVEY CASING WATER DELAY SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BIT NO. SIZE & TYPE OVERSIZE ON OFF BIT CONDITION TYPE ON OFF				<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
CASINGS STAND-BY OR SURVEY SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BIT NOSIZE & TYPEOVERSIZEONOFF SHELL NOTYPEONOFF BIT CONDITIONREASON FOR RETIRING	7		CEMENTING	
SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BIT NO. SIZE & TYPE OVERSIZE ON OFF SHELL NO. TYPE BIT CONDITION REASON FOR RETIRING			EQUIP. REPAIR	
SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING BITS AND SHELLS BIT NOSIZE & TYPEOVERSIZEONOFF SHELL NOTYPEONOFF BIT CONDITIONREASON FOR RETIRING	CASING		S STAND-BY OR	SURVEY
MIXING MUD WASHING OR CLEANING BITS AND SHELLS BIT NOSIZE & TYPEOVERSIZEONOFF SHELL NOTYPEONOFF BIT CONDITIONREASON FOR RETIRING			WATER DELAY_	
BIT NOSIZE & TYPEOVERSIZEONOFF SHELL NOTYPEONOFF BIT CONDITIONREASON FOR RETIRING			WASHING OR (
SHELL NOON		BITS A	ND SHELLS	
BIT CONDITIONREASON FOR RETIRING	BIT NOSIZE & T	YPE	_OVERSIZE	ONOFF_
BIT CONDITIONREASON FOR RETIRING	SHELL NOTY	′PE	ON	OFF
REMARKS (Explain delays and hole condition) wash down			REASON FOR RE	
to 1990' los of fill	BIT CONDITION REMARKS (Explain delays ar		REASON FOR RE	
		A	A	1
		stadk	Stor	lona
DRILLER Tom Borgstadt HELPER Storling	BILLER Com Barg	oner_	HELPER	- Coroca-

BO ⁻ ES B				,
JOB 6-704 LOC	SAFT	ECRD		1-19-74 5-31
SHIFT DAYSWING_				
RODS, END OF SHIFT		pisferse Mud	-1 50	4017
STICKUP. END OF SHIFT				
DEPTH, END OF SHIFT	<u>335</u>	CAL-SEAL_		
DEPTH, START OF SHIFT 18	200			
DRILLED	33			
		WATER		
NUMBER OF RUNS				
FEET CASED		то_		SIZE
FEET REAMED	_ FROM	то_		SIZE
CEMENT DRILLED	FROM	TO		
DRILLING		CEMENTIN EQUIP. REF	G	
CASING		STAND-BY	OR SURV	/EY
SET-UP, TEAR DOWN		WATER DE	AY	
MIXING MUD	/	2 WASHING	OR CLEAN	NING
BIT NOSIZE & TYP	BITS A E <u>578<i>R.B</i>,</u>	ND SHELLS Time 330 P. OVERSIZE	/n_ i1-2 ON_	<i>₹. 7¥</i> OFF
SHELL NO TYPE			DN	OFF
BIT CONDITION		REASON FO	R RETIRIN	G
REMARKS (Explain delays and Sollow, trip, Notes in & star	hole condit Under o I dr	tion) lean . ut & ad illing	out . Id co	hale to- llow trip
DRILLER John Borgetra MACHINE NO.	1 i Dha	Helper Lovi Foreman	is 8h	es Francia
7				

•	BO ^{r (})ES BROS		COMPA	• • • • •	
JOB_ <u>6-70</u> SHIFT DAY	SI <u> <u> </u> <u> Loc.</u> <u> </u> <u></u></u>	HIFT REPORT G <i>F F O r d</i> NITE	DATE HOLE	<u>1-19-74</u> NO. <u>ES-31</u>	
RODS, END OF STICKUP, END OF DEPTH, END OF S DEPTH, START OF DRILLED CORE RECOVERED	SHIFT SHIFT/945 SHIFT/835 	MUD TYPE CAL-SEA LUMNITI PORTLAN ADDITIV WATER_	LE		
FEET CASED	FRO/	м тс)		
FEET REAMED	FRO/	м тс		SIZE	
CEMENT DRILLED	FRO	м тс	D		
DRILLING 12 REAMING		EQUIP. I STAND-I WATER I	STAND-BY OR SURVEY		
BIT NO	BIT SIZE & TYPE	OVERSIZE	ON	OFF	
SHELL NO	ТҮРЕ		ON		
REMARKS (Explai	in delays and hole c	ondition)	lly he	se broke	
DRILLER Jon MACHINE NO 7	Bongstad	FOREMAN_2	RINK	Sterlins 8	

BO JES E	BROS. DR		A!)
JOB 6 704 LO	SAFFO.		11-20-74
SHIFT DAYSWING_	I	NITE HOI	le no. <u>ES-3/</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	935 40	TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER	·
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM	то	
DRILLING 12 REAMING		CEMENTING EQUIP. REPAIR STAND-BY OR SL WATER DELAY WASHING OR CLE	JRVEY
	BITS ANI		
BIT NOSIZE & TY	PE(OVERSIZEO	NOFF
SHELL NOTYP	E	ON REASON FOR RETIF	
REMARKS (Explain delays and trip roto out, Caving at DRILLER John Borger MACHINE NO.	405 m 1500 Tral 121	to 1574	ely fose + Hele Bhes Frank Yhr

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JOB 6-704 LOC.	SHIFT REI Sa Afor		ATE //-	-20-74	
SHIFT DAYSWING					
RODS, END OF SHIFT		MUD			_
STICKUP, END OF SHIFT	10				
DEPTH, END OF SHIFT 204	5	•			
DEPTH, START OF SHIFT 198	5				
DRILLED					
NUMBER OF RUNS			•		
FEET CASED	FROM	то		SIZE	
FEET REAMED	FROM	то		SIZE	
CEMENT DRILLED	FROM	то			
DRILLING REAMING CASING SET-UP, TEAR DOWN MIXING MUD		EQUIP. REP STAND-BY WATER DEL	AIR OR SURVE AY	Y NG	
BIT NOSIZE & TYPE	bits and SK R.Bov	SHELLS	- R.M. ON_2	85 off	
SHELL NOTYPE_		0	N	OFF	_
BIT CONDITION		REASON FOR	RETIRINO		
REMARKS (Explain delays and he	ble condition MTM Lave	full 5-14 in la	K.B.	change r of hol	×
DRILLER Tom Borgstan	И не		Frenk	y Sterling	- ;}

во	ES BROS. D		(1A
JOB 6-704 SHIFT DAY	LOC. Safe	DATE	11-21.74 DIE NO.ES 31
SHIFT DAY	- 5 WING		
RODS, END OF SHIFT STICKUP, END OF SHI DEPTH, END OF SHIFT DEPTH, START OF SHI DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	FT FT 	TYPE CAL-SEAL / 5X LUMNITE PORTLAND ADDITIVES WATER/	rud Z. Caustic Side
FEET CASED	FROM	то	SIZE
			SIZE
CEMENT DRILLED			
		CHARGES	
DRILLING4		CEMENTING	
REAMING		EQUIP. REPAIR	
CASING		STAND-BY OR	SURVEY
SET-UP, TEAR DOWN		WATER DELAY_	
MIXING MUD		WASHING OR (LEANING
		AND SHELLS	
BIT NOS			ONOFF
SHELL NO	TYPE	ON	OFF
BIT CONDITION		REASON FOR RE	
REMARKS <i>(</i>)Explain d		lition)_Condit	un mul
DRILLER AL HE	pu	HELPER HOUSE	· · · · ·
MACHINE NO			

CILIET	RUING COMPA	С
JOB_6-704 LOC. 54	NITEHOLE NO. <u>E5-31</u>	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	MUD	
FFFT_CASEDFROM	TO SIZE	
FEET REAMED FROM	TO SIZE	
CEMENT DRILLED FROM	то	
TIME	E CHARGES	
DRILLING6	CEMENTING	
REAMING	EQUIP. REPAIR	
CASING	STAND-BY OR SURVEY	
SET-UP, TEAR DOWN	WATER DELAY	
	WASHING OR CLEANING	
D.X	RBOVERSIZEONOFF	
SHELL NOTYPE	ONOFF	
BIT CONDITION	REASON FOR RETIRING	
REMARKS (Explain delays and hole co way Kun in w but was ce way Kun in w but was ce way and a second way and a second but com bought to all MACHINE NO. 7	ndition hall out rest of the ith new bit plug eme unalone gill prove ripain lose helper blerling FOREMAN	-

BO	S BROS. DI	REPORT	OMPA		\bigcirc
JOB 6-704	IOC SAFFOR	0	DATE _//	-21-74	—
SHIFT DAYSW					
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	2080 2045 35	TYPE CAL-SEAL LUMNITE _ PORTLANE ADDITIVE WATER	2 D 5	risal ach	-
FEET CASED					_ ′.
FEET REAMED					
CEMENT DRILLED	FROM	то.			
		CHARGES		•	
DRILLING 12		CEMENTIN	1G		1
		EQUIP. R			_
CASING		STAND-B	COR SU	RVEY	
SET-UP, TEAR DOWN		WATER D	ELAY		_
MIXING MUD		WASHING	GOR CLE		
BIT NOSIZE		ND SHELLS	0	\OFF	_
SHELL NO	TYPE		_ON	OFF	_
BIT CONDITION		REASON F	OR RETIR	ING	
REMONS Explain delay	ys and hole condi	tion)	<u> </u>		
driller_ <i>Boz</i> machine no 7	apted 1 -	HELPER	us Y.M.	2. Frank 8h	<u> </u>

	DRILLING COMPA
108/0-704 LOC. Say	FT REPORT Gard DATE 11-22-7k
SHIFT DAYSWING	NITEHOLE NO. 5 31
RODS, END OF SHIFTSTICKUP, END OF SHIFT	TYPE
DEPTH, END OF SHIFT 2105	CAL-SEAL
DEPTH, START OF SHIFT 2080	
DRILLED 25	PORTLAND
CORE RECOVERED	ADDITIVES
TYPE OF ROCK	WATER 2 loads
NUMBER OF RUNS	
FEET CASEDFROM_	TO \$IZE
FEET REAMED FROM _	TO SIZE
CEMENT DRILLED FROM_	TO
TIME	E CHARGES
DRILLING7	CEMENTING
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	WASHING OR CLEANING
	AND SHELLS
BIT NOSIZE & TYPE	OVERSIZEONOFF
SHELL NOTYPE	OFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole con Wash down 200 Kelliy Haze	dition) <u>nun nod La</u> A fill repair
DRILLER CL LLER 8 MACHINE NO	- HELPER DOLLIS

. y	SHIFT			\bigcirc
JOB_6-704_1	oc. Saff		11-22.74	_
	""		DLE NO	-
RODS, END OF SHIFT				
STICKUP, END OF SHIFT				
DEPTH, END OF SHIFT				
DEPTH, START OF SHIFT				
DRILLED				
		WAIEK		_
NUMBER OF RUNS				
FEET CASED	FROM	TO	SIZE	_
FEET REAMED	FROM	то	SIZE	
CEMENT DRILLED	FROM	то		
DRILLING		HARGES CEMENTING EQUIP. REPAIR _ STAND-BY OR WATER DELAY	SURVEY	
SET-UP, TEAR DOWN		WATER DELOT		
BIT NOSIZE &	BITS AN	ID SHELLS	ONOFF	
SHELL NOT	YPE	ON	OFF	_
BIT CONDITION		REASON FOR RET		_
REMARKS (Explain delays of Jelling Stee With rock Broke Chair	nd hole conditi Refer Bit ON N	on) <u>Lacy an</u> and Cave a 4 4 pa	in Ripi I dull ny Bad	
DRILLER John Ba	igalout	HELPER	& Byran	
7		a an a a		

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DB_6-704 LOC. <u>S#77</u>		NO. 55-31
DDS, END OF SHIFT FICKUP, END OF SHIFT EPTH, END OF SHIFT EPTH, START OF SHIFT 2/05 RILLED ORE RECOVERED YPE OF ROCK IUMBER OF RUNS	ADDITIVES WATER	
EET CASEDFROM		
EET REAMED FROM		
CEMENT DRILLED FROM	то	
TIM	E CHARGES	
DRILLING	CEMENTING	
REAMING	EQUIP. REPAIR	<u>.</u>
CASING	STAND-BY OR SUR	/EY
SET-UP, TEAR DOWN	WATER DELAY	Angle 2
MIXING MUD	S WASHING OR CLEA	NING
	AND SHELLS	>
BIT NOSIZE & TYPE		
SHELL NOTYPE	ON	OFF
BIT CONDITION	REASON FOR RETIRIN	
REMARKS (Explain delays and hole co	ndition)	
REMARKS (Explain delays and hole to		
	•	

P YLES BROS. DRI SHIFT F		\bigcirc
JOB <u>6-769</u> LOC. <u>SAFF</u> SHIFT DAY SWING <u>1</u>	CRD DATE 12-18-74	
RODS, END OF SHIFT	MUD CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER CAL-SEAL PORTLAND ADDITIVES WATER	
FEET CASEDFROM FEET REAMEDFROM CEMENT DRILLEDFROM	TO SIZE TO SIZE TO	
	CHARGES CEMENTING CVICC/JETRY' BQUIT: REPAIR STAND-BY OR SURVEY WATER DELAY	
MIXING MUDBITS A	8 WASHING OR CLEANING ND SHELLS _OVERSIZEONOFF	-
SHELL NOTYPE	ONOFF	- - =
	ition) tripp rode out, it in core lovel wie aterial.	- -
DRILLER Jehn Bergstoff Machine No7	HELPER_Lam's	

SHIFT	ILLING COM. NY	\bigcirc	
JOB 6 - 704 LOC. Saff	DATE / 2 - 19, 74		
JOB 6 - 764 LOC. Saffa SHIFT DAYSWING			
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK	MUD 15 mind 2 TYPE 1 Drucol CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER 3 Londo		
	TO SIZE		
NUMBER OF RUNS FEET CASED FEET REAMED FROM			
FROM_	CHARGES		
DRILLING REAMING CASING SET-UP, TEAR DOWN MIXING MUD	CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEAN G		
BIT NOSIZE & TYPE	S AND SHELLS OVERSIZEONOFF	<u>s</u> ?/ 2.5	
SHELL NOTYPE	REASON FOR RETIRING	7 F	
REMARKS (Explain delays and hole a again 7 Wash Que 10090 Cul	et Bollom: 0		
DRILLER WHEAL	HELPER Dave		

PYLES BROS. DRILLING COM INY SHIFT REPORT JOB 6-704 LOC. SHIFFERD DATE 12-14-74 SHIFT DAY_____SWING_____NITE_____HOLE NO. <u>15-3/</u> MUD - 1054CKS RET. STICK UP. HAPT _ 3 SACKS RODS, END OF SHIFT_ STICKUP, END OF SHIFT ____ 255 DEPTH, END OF SHIFT DEPTH, START OF SHIFT 2524 LUMNITE ____ PORTLAND_____ DRILLED_____ ADDITIVES____ 29 WATER - 4 LOADS CORE RECOVERED_ TYPE OF ROCK____ 3 NUMBER OF RUNS_ FEET CASED_____ _FROM _________ TO _______ SIZE _____ FEET REAMED_____ TO_____ FROM_____ CEMENT DRILLED____ TIME CHARGES 2____ EQUIP. REPAIR _____ DRILLING____ REAMING_____ STAND-BY OR SURVEY_____ CASING_____ WATER DELAY_____ SET-UP, TEAR DOWN_____ 10 WASHING OR CLEANING_____ MIXING MUD_ BITS AND SHELLS BIT NO._____SIZE & TYPE_____OVERSIZE____ON____OFF_____ _____ON ______OFF _____ SHELL NO._____TYPE_____ _REASON FOR RETIRING ___ BIT CONDITION____ REMARKS (Explain delays and hole condition) finch Wash on Ballom DRILLER John Bergstadt HELPER James - FOREMAN MACHINE NO. ____

YLES BROS. DRILLING COM INY SHIFT REPORT _____DATE/2-20 74 JOB 6 - 704 LOC. Saffard HOLE NO. 85-31 NITE SHIFT DAY_____SWING MUD 3 Ward 2-RODS, END OF SHIFT_ CAL-SEAL/Soda ast STICKUP, END OF SHIFT_ DEPTH, END OF SHIFT LUMNITE ____ DEPTH, START OF SHIFT 200 PORTLAND_ ADDITIVES. DRILLED_____ pall WATER_2_ CORE RECOVERED___ TYPE OF ROCK 2-NUMBER OF RUNS_ FROM______ TO_____ SIZE__ FROM _______ TO ______ SIZE ____ FEET CASED_____ FEET REAMED_____ ____ TO_____ FROM_____ CEMENT DRILLED_ TIME CHARGES CEMENTING _____ DRILLING_____O EQUIP. REPAIR _____ REAMING_____ STAND-BY OR SURVEY_____ CASING_____ WATER DELAY____ SET-UP, TEAR DOWN_____ WASHING OR CLEANING MIXING MUD_ BITS AND SHELLS BIT NO._____SIZE & TYPE_____OVERSIZE____ON____OFF_____ ___ON ______OFF _____ SHELL NO.______TYPE_____ _REASON FOR RETIRING_ BIT CONDITION____ pala b Jernel REMARKS (Explain delays and hole condition) lower than NO HELPER Dave DRILLER FOREMAN MACHINE NO. ----7

јов <u>6-1704</u> ца	SHIFT	RILLING REPORT			
SHIFT DAYSWING	;		HOL	e no. <u>253</u>	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT2 DEPTH, START OF SHIFT2 DRILLED CORE RECOVERED TYPE OF ROCK	592 567 25 25	MUD TYPE CAL-SE LUMNI PORTLA ADDITI	6 - 5 - 6 AL TE AND IVES	ALLONS	
NUMBER OF RUNS				SI7E	
FEET CASED FEET REAMED CEMENT DRILLED	FROM		то	\$IZE	
		CHARGES			
DRILLING		CEMEN			
REAMING		EQUIP	. REPAIR		
CASING				JRVEY	
SET-UP, TEAR DOWN	JP, TEAR DOWN WATER DELAY				
MIXING MUD		10 WASH	ING OR CL	ANING	
BIT NOSIZE &		AND SHELLS	o	NOFF	
SHELL NOT	YPE		ON	OFF	
BIT CONDITION				*	
REMARKS (Explain delays a cut change de 2567	nd hole con	dition) fr	nish t	have this	
DRILLER John Borg	stadt	HELPER	forme	9	

YLES BROS. DR	REPORT	
JOB 6 - 70 1 LOC. Self	NITEHOLE NO. 25-3/	
RODS, END OF SHIFT	MUD TYPE <u>2 Rod Rube</u> CAL-SEAL <u>CMC</u> LUMNITE PORTLAND ADDITIVES WATER	·
FEET CASEDFROM FEET REAMEDFROM	TOSIZE TOSIZE TOTO	
DRILLING 10 REAMING	CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING	
BIT NOSIZE & TYPE	OVERSIZE ON OFF	
	REASON FOR RETIRING	
REMARKS (Explain delays and hole c	HELPER Dane	

	(\bigcirc	
PYLES	BROS. DRI	LLING COM	NY	\sim	
JOB 6 704	or SHEFER		12-23-74	-	
SHIFT DAYSWING	3N	NITE HO	LE NO. <u>Z 3* 37</u>	=	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT	2623	TYPE CAL-SEAL LUMNITE		- 	
DRILLED		ADDITIVES			
	1			-	
FEET CASED	FROM	то	SIZE		
FFFT RFAMED	FROM	TO	SIZE	1	
CEMENT DRILLED	FROM	то			
	TIME C	HARGES			
REAMING					
CASING			SURVEY		
SET-UP, TEAR DOWN MIXING MUD					
	BITS AI	ND SHELLS			
BIT NOSIZE &	TYPE		_ONOFF		
SHELL NO	_ TYPE	ON			
BIT CONDITION			and and of		
REMARKS (Explain delay Manage dig ment dila 2 hours	and hole condi Lance 7 7 623	ition) trip h 2 roles in dulkad	3 feet in		
DRILLER John Bo	aptill	HELPER JANE	20		
MACHINE NO	P	FOREMAN			

VLES BROS. DRILLING COM SHIFT REPORT . 7.4 DATE / - 2-LOC. Saffar JOB 6-704 HOLE NO. 25 31 NITE SHIFT DAY_____SWING_ MUD_ RODS, END OF SHIFT___ TYPE STICKUP, END OF SHIFT ____ CAL-SEAL DEPTH, END OF SHIFT DEPTH, START OF SHIFT 2623 PORTLAND DRILLED_____ ADDITIVES_ CORE RECOVERED WATER_ TYPE OF ROCK____ L NUMBER OF RUNS___ ___ FROM ______ TO ______ SIZE ____ FEET CASED_____ FEET REAMED______ FROM _____ TO_____ SIZE____ ____ TO___ FROM_____ CEMENT DRILLED_____ TIME CHARGES CEMENTING _____ DRILLING_____ EQUIP. REPAIR REAMING_____ STAND-BY OR SURVEY_____ CASING_____ WATER DELAY____ SET-UP, TEAR DOWN_____ WASHING OR CLEANING MIXING MUD_ BITS AND SHELLS BIT NO._____SIZE & TYPE_____OVERSIZE____ON____OFF_____ _____ON _____OFF _____ SHELL NO._____TYPE_____ BIT CONDITION____ REMARKS (Explain delays and hole condition)_____ and HELPER X DRILLER FOREMAN_ MACHINE NO. ----7

CUIFI	DRILLING COM INY	\bigcirc
1 704 IOC SAFE	$\frac{72\pi hole}{100} \text{ DATE } \frac{1-7-75}{100}$	
JOB <u>67</u> <u> </u>	HOLE NO. <u>2-5-7/</u>	
SHIFT DAYSWITC		
RODS, END OF SHIFT	MUD_1 Rod Rule	
STICKUP, END OF SHIFT CL5 DEPTH, END OF SHIFT CL5 DEPTH, START OF SHIFT 2438		
DRILLED 27	ADDITIVES	
CORE RECOVERED	WATER	
TYPE OF ROCK	WATER	
DINS		
	TO SIZE	
FEET CASEDFROM	TO SIZE	
	м то	
	ME CHARGES	
DRILLING		
REAMING	STAND-BY OR SURVEY	
CASING	WATER DELAY	
SET-UP, TEAR DOWN		
MIXING MUD	/ U WASHING OR CLEANING	
	ITS AND SHELLS	
BIT NOSIZE & TYPE	OVERSIZEONOFF	
	OFF	
SHELL NOTYPE	PEASON FOR RETIRING	
BIT CONDITION	REASON FOR RETIRING	:
REMARKS (Explain delays and hole	condition)	- -
		-
DRILLER John Burgeton	it HELPER Rick Maniel	
MACHINE NO.	FOREMAN	
7		

YLES BROS. DRILL	ING COM INY ORT	\bigcirc
100 6 704 LOC. Safford	DATE 1-3-75	
	EHOLE NO. 537	
SHIFT DAY SWING NIT		
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT2685 DEPTH, START OF SHIFT <u>26655</u> DRILLED20	MUD TYPEKod_Luba CAL-SEAL LUMNITE PORTLAND ADDITIVES	- - - -
CORF RECOVERED	WATER	-
TYPE OF ROCK		=
	SIZE	_
FEET CASEDFROM		
FEET REAMEDFROM	TO \$IZE	
CEMENT DRILLED FROM	ТО	
CEMENT DRILLEDTIME CH	ARGES	
6	CEMENTING	
DRILLING	EQUIP. REPAIR _ 😏	
REAMING	STAND-BY OR SURVEY	
CASING	WATER DELAY	
SET-UP, TEAR DOWN	WASHING OR CLEANING	
MIXING MUD		
	ID SHELLS	
BIT NOSIZE & TYPE	OVERSIZEONON	
BIT NO0122 0		
SHELL NOTYPE	UN	
	REASON FOR RETIRING	
BIT CONDITION	Chango al	
BIT CONDITION REMARKS (Explain delays and hole condi 	tetara 8	
DRILLER DU Klehr.	HELPER Dawe	
MACHINE NO7		
1: · · · · · · · · · · · · · · · · · · ·		

BC LES BROS. E	T REPORT
JOB 6 - 707 LOC. Safe	DATE 11-12-74
SHIFT DAYSWING	NITEHOLE NO
RODS, END OF SHIFT	MUD
STICKUP, END OF SHIFT	ТҮРЕ
DEPTH, END OF SHIFT	
DEPTH, START OF SHIFT	LUMNITE PORTLAND
DRILLED	• = • • •
CORE RECOVERED	ADDITIVES
TYPE OF ROCK	WATER
NUMBER OF RUNS	
FEFT CASEDFROM_	TO SIZE
FEFT REAMED FROM .	TO SIZE
CEMENT DRILLED FROM.	то
	E CHARGES
DRILLING	CEMENTING
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY 2
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	WASHING OR CLEANING
	AND SHELLS
BIT NOSIZE & TYPE	OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	
REMARÑS (Explain delays and hole co	La high
Im	
<i></i>	
- Aleth	HELPER John
DRILLER	HELFER
MACHINE NO	

BO' IS BROS. D		PAN (***)	\bigcirc
JOB 6-704 LOC. SAF	Ford DATE	11-13-7F	_
SHIFT DAYSWING	NITEHC	DLE NO	-
RODS, END OF SHIFT			
FEET CASEDFROM			
FEET REAMEDFROM			_
CEMENT DRILLED FROM			
	CHARGES		
DRILLING	CEMENTING		_
REAMING			
CASING	STAND-BY OR S	SURVEY	_
SET-UP, TEAR DOWN	WATER DELAY	10	_
MIXING MUD	WASHING OR C	LEANING	
BITS A	AND SHELLS	ONOFF	— : — :
SHELL NOTYPE	ON	OFF	_
BIT CONDITION	REASON FOR RET		
REMARKS (Explain delays and hole conc Water & July	ition) Aig Up Eits	+ Harl	
DRILLER AL HER MACHINE NO7	HELPER Jahn	, tTom,	

BO' ES	BROS. DALL		ΡΑΓ	\bigcirc
JOB 6-709 LC	C. SAFFORD	DATE	11-14-74	,
SHIFT DAYSWING	NIT	EHC	DLE NO	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK		ADDITIVES	20 SK SACK SACK SACK	
NUMBER OF RUNS				
FEET CASED		-		
FEET REAMED				
CEMENT DRILLED				
	TIME CHAR	GES		
DRILLING		CEMENTING		
REAMING		EQUIP. REPAIR		
CASING		STAND-BY OR S	GURVEYO	
SET-UP, TEAR DOWN		WATER DELAY		
MIXING MUD		WASHING OR CI	EANING	
	BITS AND S	HELLS		
BIT NOSIZE & TY	PEOVE	RSIZEC	ONOFF	······
SHELL NOTYP	°E	ON	OFF	
BIT CONDITION	RE	ASON FOR RET		
REMARKS (Explain delays and Multiplays lower	d hole condition). M fifthe	have we	ter 4 mi	<i>K</i>
DRILLER JAM al of Ja MACHINE NO.	ГМ HELF FORI	EMAN	Romero	

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SPEED Dick Kelly То FA Sattaco the Subject velosed are 1 32RQ9.48 nnecor 13.600 tero , 00 23 bee coepoegle Subari the attached payment schedule abich mi note PLEASE REPLY Signed TO for compression with your into. It ipou any guestions please let ne know. Signed Date ACT 002

SENDER'S COPY

E. Grover Heinrichs A THE DESK OF: LL LL

DRILLING ADDITIVES DIAMOND DRILLING EQUIPMENT FOUNDATION TESTING GROUTING ROTARY DRILLING DIAMOND CORE DRILLING INVOICE NUMBER: ORDER NUMBER: S. INVOICE DATE: 1-30-74 ە CONTRACT: 6 704 TERMS: 30 dect LOCATION: Hole No. Ľ N 18 his 0 0 Ø The of Say 3 Sh Canatic Sode Set up Causing & read in leve, 5X. mud 2 SX mud baund 1800 ay down + Naul Carry 000 up + wash derive to soaft. + my my 25. co From prese priscos 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 DRILLING COMPANY 2105 2000 CONTRACTORS-ENGINEERS Easy International duce General Offices and Plant Tudon ans 85-100)ovies byros Cable: BOYLESCO Telex: 388-321 To 22Kvad 105 200 Footage Wales 1.75 11.25 1181.25 00 . 00 7257 SE: μv, v Rate Will Cont MURFREESBORO, TENNESSEE SPOKANE, WASHINGTON IRONWOOD, MICHIGAN MEXICO CITY, MEXICO telex: 001774546 BRANCH OFFICES GOLDEN, COLORADO LIMA, PERU cable: BOYLESCOP PHOENIX, ARIZONA SANTIAGO, CHILE 2645.00 SPARKS, NEVADA 16.50 1850.00 700.00 630.00 70.00 Total

DIAMOND CORE DRILLING INVOICE NUMBER: DIAMOND DRILLING EQUIPMENT FOUNDATION TESTING GROUTING DRILLING ADDITIVES ROTARY DRILLING ORDER NUMBER: INVOICE DATE: 65 31 and sold of the second second CONTRACT: LOCATION: Hole No. 0 **TERMS**: Water tot Wales he wit result 11-30-74 6-704 to out 30 20 20 rs E 2105 ft 2105 From mobilityation to St er 0 + rental 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 R O Sala 121 58 ft. 5x lement portan of for SALT LAKE CITY, UTAH 84110 DRILLING COMPANY 484 mi fin plug muraleo Bovies Bros. Caund 5 CONTRACTORS-ENGINEERS General Offices and Plant E every International Inc 1704 W. Grant Que Cable: BOYLESCO Telex: 388-321 Thank and 5 where Black Ś 3 Footage 80 705 1300 142, 390, 200. Jem OE Rate 13.90 Cores MURFREESBORO, TENNESSEE SPOKANE, WASHINGTON MEXICO CITY, MEXICO telex: 001774546 IRONWOOD, MICHIGAN BRANCH UFFICES X GOLDEN, COLORADO LIMA, PERU cable: BOYLESCOP PHOENIX, ARIZONA 13,00 SANTIAGO, CHILE SPARKS, NEVADA 234.00 736.70 500,00 55.00 145.20 142,00 Total

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FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT GROUTING DIAMOND CORE DRILLING ROTARY DRILLING INVOICE NUMBER: DRILLING ADDITIVES ORDER NUMBER: INVOICE DATE: 12-24-74 ø 25 = 31 CONTRACT: LOCATION: TO Hole No. TERMS: نن 0 0 6-704 31 loade Water at I had water The milespe From alau his conductor drilling time + standly DZ SX , SX: 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 Water the Rental 390 m XS Wallmus SALT LAKE CITY, UTAH 84110 3ungelo DRILLING COMPANY portland Bovies Boros CONTRACTORS-ENGINEERS ructor aus 85 705 **General Offices and Plant** Fraser International Inc. und Cable: BOYLESCO Telex: 388-32,1 Amend hace Footage 35.00 3325.00 13.00 day 325.00 11.12 11.12 Sto S 01 2,65 71.05 30 Amil 223, 20 MURFREESBORO, TENNESSEE in the B SPOKANE, WASHINGTON MEXICO CITY, MEXICO telex: 001774546 IRONWOOD, MICHIGAN BRANCH OFFICES GOLDEN, COLORADO LIMA, PERU cable: BOYLESCOP SANTIAGO, CHILE PHOENIX, ARIZONA SPARKS, NEVADA 23.25 Src 9

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GROUTING DIAMOND CORE DRILLING DIAMOND DRILLING EQUIPMENT ROTARY DRILLING DRILLING ADDITIVES FOUNDATION TESTING 18:53 INVOICE NUMBER: ORDER NUMBER: INVOICE DATE: CONTRACT: LOCATION: Hole No. TERMS: 6.704 12-2474 いってん 2500 2/58 From 9351 mul 2 Soda ach 3 Sr Caustic Soda 12 SX 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 VSX. 6 SX Drues 5 Х Х SALT LAKE CITY, UTAH 84110 DRILLING COMPANY Guil Seal Tucson Uns 85705 2623 Bovies Bros Essex International One. CONTRACTORS-ENGINEERS mud Dicks mud Seal 2500 **General Offices and Plant** Barito Cable: BOYLESCO То 123 50 Footage 18.15 99.40 576.40 60,00 15-40 1894.20 15:40 14.50 101.50 13.90 10.55 126.60 Rate WE BONNY MURFREESBORD, TENNESSEE MEXICO CITY, MEXICO telex: 001774546 SPOKANE, WASHINGTON IRONWOOD, MICHIGAN BRANCH OFFICES GOLDEN, COLORADO 362.20 LIMA, PERU cable: BOYLESCOP 54.45 SANTIAGO, CHILE PHOENIX, ARIZONA 4753.80 SPARKS, NEVADA 169.40 Total

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		Mobilization	ES-31	PAGE -3- INVOICE DATE: NOVERNI ORDER NUMBER: INVOICE NUMBER: INVOICE NUMBER: SU-251 CONTRACT: 6-704 TERMS: Net 30 LOCATION: North
		8	W	есиниемт
			From 2105	er 30, 1974 Days
		۲۰ کرد	To	DRILLING COMPANY CONTRACTORSENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 4 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321 Mr. Faul Eimon Basex International, 1704 W. Grant Avenue Tucson, Arizona 857
	IVIAL DI LULIN		Footage	COMPANY RS-ENGINEERS des and Plant es and Plant px 58 Phone (801) 487-3671 rv, UTAH 84110 rv, UT
	3	15.90 500.00	Rate	
	18,802.34	736.70	Total	GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE ABUE: BOYLESBOS LIMA, PERU Cable: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

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145.20	• 30	484 MI.		ଝିଡ	Water Truck Wileage
234.00	13.00	18 Days	•	1 - 390.00 Per Ma	Water Truck Rental
13.00	13.00			4" Plug	
55.00	55.00	nui)	loat	32 Casing Shoe Float	
7,999.00	3.80	2105 Pt.		32 Casing Black	
142.00	142.00	\$		Rock Bit - 5 7/8	
16.50	•75	22 Loads		Water	
239.31	1,595.38	15 %		& Transportation	Mixing, handling,
53.00	2.65	20 Ska.		Portland Cement	
3.81	3.81	1 Sk.	roid)	Miracle Lime (Baroid)	
700.00	35.00	20 Gel.		Formaldehyde	Materials Used:
Total	Rate	Footage	То	From	Hole No.
Total	Bate		To	of Saf	Ž.
		na A5705		50 Davra	TERMS: Not 20
		κψ	1704 W. Grant		CONTRACT: 6-704
		tional. Inc.	Essex International		INVOICE NUMBER: SV-251
			lir. Paul Minon	•	ORDER NUMBER:
telex: 001774546			Telex: 388-321	November 30, 1974	INVOICE DATE: NOVER
CADIO: BOYLESCOP	3		Cable: BOYLESCO		
LIMA, PERU		1110	AKE CITY, UT		
SANTIAGO, CHILE		Phone (801) 487-3671	1624 Pioneer Road P. O. Box 58 Phone	1624 Pior	
IRONWOOD, MICHIGAN	IP NOR	ERS	General Offices and Plant		PACE -2-
SPOKANE, WASHINGTON	IS				
SPARKS, NEVADA		INY	DRILLING COMPANY		FOUNDATION TESTING
GOLDEN, COLORADO					
			0		GROUTING

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2 	1		:		7
	ភ	3 Sks.	H)	Mud Fiber (Magcobar)	
	99.40	3 Sks.	~	Driscose	- D
	<u>ب</u>	97 Sks.		Mud No. 2	
	22.49	3 Ska.	(prc	Caustic Soda (Berbid)	materials used: 0
	35.00	2 Hrs.		•	f
00 700 m	35-00	20 Hrs.	haul water	in core pipe & h	mu & Jurio
35.00 630.00	3	18 Res.		casu gus	
35-00 2,695-00	Š	77 Hrs.	bue xim	•300 ft., &	B
11-25 1, 181-25		105	2105	2000	BB
9-25 1,850.00	9	200	2000	1800	E
Rate Total	, प्र	Footage	То	From	FIDIE IND.
		l Eimon nternational, Inc. Grant Avenue Arizona 85705	nr. Pan Esser I 1704 V. Tucson,	SW-251 6-704 Net 30 Days North of Safford, Arizona	11
MEXICO CITY, MEXICO telex: 001774546			Telex: 388-321	November 30, 1974	INVOICE DATE: NOVOI
SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP		Phone (801) 487-3671 AH 84110 CO	AKE CITY, UT AKE CITY, UT able: BOYLES		*
SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN		NEE RS	CONTRACTORS-ENGINEERS General Offices and Plant	1624 0	
GOLDEN, COLORADO SPARKS, NEVADA		PANY			FOUNDATION TESTING
BRANCH OFFICES					GOTARY EPILLING

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	RILLING COM NY REPORT
JOB 6 704 LOC. SAF	<u>/=c.kr2</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK 24	MUD
FEET CASEDFROMFROM	TO
FROM	E CHARGES
DRILLING 10 REAMING	EQUIP. REPAIR
BIT	OVERSIZE ON OFF
BIT NOSIZE & TYPE SHELL NOTYPE BIT CONDITION	OVERSIZEONOFF ONOFF REASON FOR RETIRING
	condition) alot of mud nung hall trouble
DRILLER Aihn Borgete Machine NO.	FOREMAN

YLES BROS. I	DRILLING COM NY
	DATE DATE 7.3 HOLE NO. 25-3/
RODS, END OF SHIFT	
	A TO SIZE A TO SIZE M TO
DRILLING	CEMENTING
CASINGSET-UP, TEAR DOWN	STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING
MIXING MUDB BIT NOSIZE & TYPE	ITS AND SHELLS OVERSIZEONOFF
SHELL NOTYPE	OFF REASON FOR RETIRING
REMARKS (Explain delays and hole	e condition)
DRILLER We Hehr	HELPER DAVIC
7	

SHIFT SHIFT	RILLING COM NY REPORT DATE 1- 4-75 NITE HOLE NO. 65 3/
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT735 DEPTH, START OF SHIFT71155 DRILLED3C^ CORE RECOVERED3C^ TYPE OF ROCK NUMBER OF RUNS2	MUD
FEET CASEDFROM	TO
DRILLING REAMING CASING SET-UP, TEAR DOWN MIXING MUD	CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING
BIT NOSIZE & TYPE	IS AND SHELLS OVERSIZEONOFF
BIT CONDITION	OFF REASON FOR RETIRING
REMARKS (Explain delays and hole	condition) Use 2735
DRILLER Jihn Bergetod MACHINE NO.	HELPER Rich Marill FOREMAN

B YLES BROS. DR	REPORT		
JOB <u>6-704</u> LOC. Saff SHIFT DAY SWING	and DATE /	2-16-74	
SHIFT DAY SWING	NITEHO	LE NO. <u>25 24</u>	
RODS, END OF SHIFT	TYPE CAL-SEAL LUMNITE		
FEET CASED FROM	то	SIZE	
FEET REAMED FROM	то	SIZE	
CEMENT DRILLED FROM	то		
TIME	CHARGES		
DRILLING	CEMENTING	0	
REAMING	EQUIP. REPAIR		
CASING	STAND-BY OR S	URVEY	
SET-UP, TEAR DOWN	WATER DELAY		
MIXING MUD	WASHING OR CL	EANING	
BITS A	ND SHELLS		
BIT NOSIZE & TYPE	_OVERSIZEC	DNOFF	
SHELL NOTYPE	ON	OFF	
BIT CONDITION	REASON FOR RET		
REMARKS (Explain delays and hole condi Shife (Jean's Shire) Wash about 511 Cone 36 ft + traj	tion) Start 4 4 port De 6 port De 6 ports The	R Suring instrat m Barn B	
DRILLER al With MACHINE NO7	- HELPER XOBUL	<u>e</u>	

SH	DRILLING COMP
JOBLOC SHIFT DAYSWING	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT Q523 DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER
FEET CASEDFRO	M TO SIZE M TO SIZE
CEMENT DRILLED FRC	TIME CHARGES
DRILLING REAMING CASING SET-UP, TEAR DOWN MIXING MUD	
BIT NOSIZE & TYPE	OVERSIZEONOFF
BIT CONDITION	ONOFF
REMARKS (Explain delays and hole durin to Reff.	e condition) and com
DRILLER John Berget. MACHINE NO7	FOREMAN

P ∼YLES	BROS. DRILLING COMP ' YY	
10B 6-704 1	OC. Saffind DATE 12-17-76	
SHIFT DAYSWING	GNITEHOLE NO. ES. 3/	
RODS, END OF SHIFT	MUD	
STICKUP, END OF SHIFT		
DEPTH, END OF SHIFT		
DEPTH, START OF SHIFT		
DRILLED	PORTLAND	-
CORE RECOVERED		-
TYPE OF ROCK	WATER	-
NUMBER OF RUNS		
FEET CASED	FROM TO SIZE	
FEET REAMED	FROM TO SIZE	
	FROM ŤO	
	TIME CHARGES	
DRILLING		-
REAMING		-
		_
		_
SET-UP, TEAR DOWN	WASHING OF CLEANING	-
MIXING MUD		
	BITS AND SHELLS	
BIT NOSIZE &	TYPEOVERSIZEONOFF	-
SHELL NO.	TYPEOFF	_
BIT CONDITION	REASON FOR RETIRING	
REMARKS (Explain delays	and hole condition) Circ prublens	- - -
	· · · · · · · · · · · · · · · · · · ·	
	//``\	
COL Loke	HELPER_ Dang	
DRILLER LA MA	FOREMAN	
MACHINE NO		
-		

E VLES BROS. DRILLING COMP			
JOB - 704 LOC. Saffind DATE 12-18-7K SHIFT DAY SWING NITE HOLE NO. ES 3/			
SUBT DAY (SWING NITE HOLE NO. ES 3			
RODS, END OF SHIFT			
FEET CASED FROM TO SIZE			
FEET REAMED FROM TO SIZE			
CEMENT DRILLED FROM TO			
TIME CHARGES			
DRILLING CEMENTING			
REAMING EQUIP. REPAIR			
CASING STAND-BY OR SURVEY			
SET-UP, TEAR DOWN WATER DELAY			
MIXING MUD WASHING OR CLEANING			
BITS AND SHELLS			
BIT NOSIZE & TYPEOVERSIZEONOFF			
SHELL NOTYPEONOFF			
BIT CONDITIONREASON FOR RETIRING			
REMARKS (Explain delays and hole condition). Dump plug down Wash 200 ft out to Bollow			
DRILLER UNCHALL HELPER March			
7			

DIAMOND CORE DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT DRILLING ADDITIVES





General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

November 11, 1974



Essex International, Inc. 1704 West Grant Avenue Tucson, Arizona 85705

Attention: Mr. Paul Eimon

2.

Gentlemen:

10

We are pleased to submit the following quotation for rotary and core drilling on your project located near Safford, Arizona. The following price schedule will apply for rotary and core drilling with our Failing DMX rig.

1. Mobilization and Demobilization - \$500.00 lump sum each rig.

2. Drilling rates - Vertical Holes:

1	Rates -		Hammer		
			Or Rockbit	NX	BX
	0 to 500	feet	\$ 5.00		
	500 to 1,000	11	6.10		
	1,000 to 1,500	11	7.40		
	1,500 to 2,000	11	9.25	\$12.65	\$12.65
	2,000 to 2,500	11	11.25	13.90	13.90
	2,500 to 3,000	11		15.40	15.40
	3,000 to 3,500	11		17.20	17.20
	3,500 to 4,000	11		19.60	19.60

- 2.2 While rotary drilling, if the rock should become so hard or other ground conditions be encountered such that the penetration rate falls below 50 feet per eight-hour shift over a period of six consecutive drilling shifts, Boyles will have the right to charge at the rate of \$42.50 per rig hour plus the cost of bits consumed or case the hole for core drilling.
- 2.3 Reaming to be charged at \$7.50 per foot.

BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE Cable: BOYLESBROS LIMA, PERU Cable: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

JOYLES BROS. DRILLING CO.

Essex International, Inc. November 11, 1974 Page #2

- 3. The following items to be charged at the rate of \$35.00 per hour:
 - 3.1 Cementing and regaining lost circulation.
 - 3.2 Cleaning out and conditioning existing holes; hourly rate to apply until normal drilling operations are commenced.
 - 3.3 Making up core-drilling string when changing over from rotary to core drilling.
 - 3.4 Surveying the hole plus \$125.00 per week for the survey instrument while in use.
 - 3.5 Installing or retrieving casing.
 - 3.6 Set-up, moving between holes, and tearing down.
 - 3.7 Standby time at your request.
 - 3.8 Delays caused by actions on your part and not the fault of Boyles, including inaccessability to the drill site because of bad weather or conditions not under the control of Boyles.
- 4. Water truck rental will be charged at the rate of \$390.00 per month for a Boyles Bros. owned two-wheel drive truck plus \$.30 per mile, or \$460.00 per month for a four-wheel drive truck plus \$.35 per mile, or third party invoice plus 10% handling for outside rental. Water to be hauled by Boyles from your source of supply. If a steady driver is required, he will be charged at the rate of \$56.00 per eight-hour shift.
- 5. Core boxes, cement, drilling mud, mud additives, and lost circulation materials consumed will be charged at our published list prices plus 15% for mixing, handling, and transportation to the job site.
- 6. Casing will be invoiced at published list prices at time of installation in the hole. Any casing recovered will be credited at a mutually agreeable salvage value.
- 7. Drill roads and drill sites are to be constructed and maintained accessible to truck mounted drill rigs, supply trucks, and pickups free of cost to Boyles Bros. Any environmental responsibility relating to the construction, use or reclamation of same shall be the responsibility of Essex International. Boyles Bros. will, however, remove all trash and loose material, leaving drill sites in a clean and orderly condition.
- 8. Boyles Bros. certifies it has or will have licenses to do contract work in the state of Arizona. All other licenses, land and water use permits, environmental reports, state reports relating to hole plugging, etc. shall be the responsibility of Essex International. Boyles Bros. shall cooperate

17

BOYLES BROS. DRILLING CO.

Essex International, Inc. November 11, 1974 Page #3

with and give technical assistance if requested for your compliance with these regulations.

9. Boyles Bros. shall drill at the location and to the depths specified by the representative of Essex International and shall be held harmless for all liability claims which may arise from normal activity related to this contract, including pollution of ground water or surrounding land from discharge of drill water and wastes. Boyles Bros. agree to accept responsibility for the irresponsible acts of their employees and for the liability which may result from these acts.

10. The prices in this schedule will remain firm for a period of 30 days from the date of this proposal; at which time, if the contract has not been accepted, Boyles Bros. reserves the right to revise any prices or conditions of this offer.

11. Boyles Bros. will invoice at the end of each calendar month for the work done during such period and the terms will be net 30 days. In the event payment is not made within these terms, a late payment charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged. It will be computed from the due date to the date we receive payment.

Thank you for asking Boyles Bros. to quote on this work. If you have any questions concerning this proposal, please call either Mr. Mathews or myself.

Yours very truly.

R. H. teas

R. A. Hess Administrative Assistant to Manager Operations

RAH:bg

cc: S. L. Mathews

Soul Comp to Sice COST TO DATE (11/21/14) ES-31 MOBILIZATION: 500.00 HOURLY RATE: (35.00/HR) CLEANING HOLE 71 HOURS 2485.00 MISC EXP: (Rock Bits, ADDITIVE COST, WATER TRUCK RENTAL AND MILAGE, ECT.) 1000.00 DRILLING: 200' @ 9.25 - 40' @ 11.25 TOTAL 2000.00 \$ 5985.00 ESTIMATED GOST TO END OF MONTH APPROX 300 OF DRILLING Q 11.25/FT 3375.00 " MISC EXP 1000.00 8000.00 CASING 12,375.00 Cost To DATE 12,5 13.02 TOTAL \$ 18360.00 We Stould BE ABLE TO BORE DRILL APPROX 300 AFTER WE CASE THE HOLE & STILL BE WITHIN OUR RFA GMIT. Bil

Memo

To: Robert Holt From: Bob Helming

Subject: Geologic Evaluation of Essex mining claim parcels near Safford, Arizona.

Per your request I have made a review of Essex property position in Safford by evaluating each parcel individually from a strictly geologic point of view. The result is a division of the parcels into four categories as listed below. An asterisk after the parcel number indicates ownership by Essex.

High Mineral Value

Parcel 20[#] San Juan

Low Mineral Value (defined by Essex drilling)

Parcel 2	Nail Keg 20-24
Parcel 4*	Bohemia, et al
Parcel 16*	D&L (Pickup)
Parcel 1	Nail Keg 1-19

Residual Exploration Potential for Deep Sulfides

Parcel	1	Nail Keg 1-19
Parcel	9	Big Ben
Parcel	-	Bardwell
Parcel	12	Key
Parcel	14#	Copper Chief
Parcel	17	Soto State Lease

No Exploration Potential

Parcel	5	Cochino, Coffee
Parcel	6	Flat Top
Parcel	8	Lager
Parcel	11	Lead Hill
Parcel	15	Sandwash
Parcel	19#	Big Bird, Copper Flat
Parcel	22	Blue Bell
Parcel	?	Horseshoe

The principal factors considered were 1) results of Essex drilling; 2) proximity to known areas of high grade mineralization; 3) size of each parcel.

Bot Helming

8-28-74 Phone call To Bob Helming Henry EGH - ON ochen B. 14017 1. Shut lowa rig ES 31 p.n. today 2. Prepare a written recommendation on whether to proceed or Not three the fault at a loke dake & accompany the reconnertation with sketch of X Section \$ estimate of cost -6-9 qD/ 165-613/1 1033

DIAMOND CORE DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT DRILLING ADDITIVES





General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

November 11, 1974

SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

NOV 1 2 1974 RECEIVE **BRANCH OFFICES**

PHOENIX, ARIZONA

GOLDEN, COLORADO

Essex International, Inc. 1704 West Grant Avenue Tucson, Arizona 85705

Attention: Mr. Paul Eimon

Gentlemen:

10

We are pleased to submit the following quotation for rotary and core drilling on your project located near Safford, Arizona. The following price schedule will apply for rotary and core drilling with our Failing DMX rig.

1. Mobilization and Demobilization - \$500.00 lump sum each rig.

2. Drilling rates - Vertical Holes:

2.1 Rates –	Hammer		
	Or Rockbit	<u>NX</u>	BX
0 to 500 feet	\$ 5.00		
500 to 1,000 "	6.10		
1,000 to 1,500 "	7.40		
1,500 to 2,000 "	9.25	\$12. 65	\$12.65
2,000 to 2,500 "	11.25	13.90	13.90
2,500 to 3,000 "		15.40	15.40
3,000 to 3,500 "		17.20	17.20
3,500 to $4,000$ "		19.60	19.60

2.2 While rotary drilling, if the rock should become so hard or other ground conditions be encountered such that the penetration rate falls below 50 feet per eight-hour shift over a period of six consecutive drilling shifts, Boyles will have the right to charge at the rate of \$42.50 per rig hour plus the cost of bits consumed or case the hole for core drilling.

2.3 Reaming to be charged at \$7.50 per foot.

э.

JOYLES BROS. DRILLING CO.

Essex International, Inc. November 11, 1974 Page #2

- 3. The following items to be charged at the rate of \$35.00 per hour:
 - 3.1 Cementing and regaining lost circulation.
 - 3.2 Cleaning out and conditioning existing holes; hourly rate to apply until normal drilling operations are commenced.
 - 3.3 Making up core-drilling string when changing over from rotary to core drilling.
 - 3.4 Surveying the hole plus \$125.00 per week for the survey instrument while in use.
 - 3.5 Installing or retrieving casing.
 - 3.6 Set-up, moving between holes, and tearing down.
 - 3.7 Standby time at your request.
 - 3.8 Delays caused by actions on your part and not the fault of Boyles, including inaccessability to the drill site because of bad weather or conditions not under the control of Boyles.
- 4. Water truck rental will be charged at the rate of \$390.00 per month for a Boyles Bros. owned two-wheel drive truck plus \$.30 per mile, or \$460.00 per month for a four-wheel drive truck plus \$.35 per mile, or third party invoice plus 10% handling for outside rental. Water to be hauled by Boyles from your source of supply. If a steady driver is required, he will be charged at the rate of \$56.00 per eight-hour shift.
- 5. Core boxes, cement, drilling mud, mud additives, and lost circulation materials consumed will be charged at our published list prices plus 15% for mixing, handling, and transportation to the job site.
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\$1.1

BOYLES BROS. DRILLING CO.

Essex International, Inc. November 11, 1974 Page #3

with and give technical assistance if requested for your compliance with these regulations.

- 9. Boyles Bros. shall drill at the location and to the depths specified by the representative of Essex International and shall be held harmless for all liability claims which may arise from normal activity related to this contract, including pollution of ground water or surrounding land from discharge of drill water and wastes. Boyles Bros. agree to accept responsibility for the irresponsible acts of their employees and for the liability which may result from these acts.
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Thank you for asking Boyles Bros. to quote on this work. If you have any questions concerning this proposal, please call either Mr. Mathews or myself.

Yours very truly,

P.J. tes

R. A. Hess Administrative Assistant to Manager Operations

RAH:bg

cc: S. L. Mathews

On Jan 3rd, 1975, while derecting a bull dozen on Esser's new drill site near Tract 37, Bill Bowen, P. D. Geologist and a security grand named thouser (?) appeared, apparently checking out the new location. The main points of the conversation with Bill are as follows: I first opened broathed the subject of under ground drilling by P.D. by asking Bill about the Longyear drills in Thier 302 or 300 drift. Bill Claimed they have no such drifts. He also Claimed they have only one Longyan 44 and at no time did they were brove two hengegeous dulling anderground He said the 44 is occuping the Old machine shop and that They are sesing the dail for engineering purposes. He did admit they were dulling flat holes and they longent flat lide they have drilled is 1400' and that like is paralell to the fault. He said the reason they secured the 44 was to replace the two CPASP which only had a capality of 600'. He denied drilling into Tract 37 or into the general derection of the San Jaun, For this information; the verscity of which is doubtful, he asked our depth on ES -31. A told him we were at 2600'. To this information he asked if we had found the fault as upt. I told him no and that fact has made us to reevaluate our geologic thinking. He responded by saying he Unen we would not find the fault by because the structures do some very enteresting things in the ava of ES-31. He would not plaborate on this. Pursing the subject further, I said widently the fault was not at 62 or 63° is we had always assumed but more like 70° to 75°. He absolutly denied this, saying they have done numerous 3 point problems and the fault is definiting at 62° and the vason we did not find the fault was because of the reasons giving above. I said, well, we are at this point assuming the fault to be at 70° to 75° and are basing our thinking on the PD one Body with that in merit . He seeved most anxious

to convence the fault was at 62 kyrdes. my total impression as to why ID thinks we are drilling 25-31 was to test the fault. If this is true, then they are defenitely atoried about the information we are securing about the fault. and if they are worried on this point. then it follows they are worried about the whole implications as it pertains to their one body and Tract 37. The rest of the Conversation was in the mature of amounities and no other useful information has secured. Billani

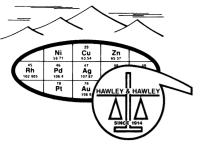
Accumulated Summeriney Expenses SAHORD Project Lover Period of Ang. 20, 1971 - DEC. 31, 1974 Proceeded Sanstrant From A AREA B Geological Smay 59,099.24 19,099.24 A. To2.40 1. Geological Smay 2. Base Map 14, 703.48 10,000 4, 703.48 STT. 3. TRuing 611, 694.67 531,000 16,000 60,694-61 44,694.67 4. Office Expense 19,802.12 16,802.12 3000.00 99,750.00 5. Stock Purchase (SAN JUAN) 6. Assaug 6710.81 1000. 5710.81 7. Consulhing 7309.03 10,309.03 3000.00 8. Legal 261, 241.43 41,241 220,000.43 9. Land 254,692.48 167,600

SKYL LABS, INC. Hawley & Hawley, Assayers and Chemists Division 1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703 (602) 622-4836



Charles E. Thompson Arizona Registered Assayer No. 9427

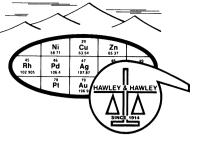
William L. Lehmbeck Arizona Registered Assayer No. 9425



CERTIFICATE OF ANALYSIS

ITEM		Au	Cu %					1		11
ITEM NO.	SAMPLE IDENTIFICATION	oz/ton	%							
	00251	<0.005	0 03							
1	00351	<0.005	0.03							
2	00352	<0.005	0.01							
3	00353	<0.005	0.03							
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Tu	cson, Arizona 85705							Sona U. S. P	17	
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۸+	tn.: Mr. E. G. Heinrichs			rec'd: 1/6/75	D	TE COMPL.:	5	јов NUMBE		
At						·/ · / //	J			

SKYL 注 LABS, INC.



Hawley & Hawley, Assayers and Chemists Division 1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703 (602) 622-4836 Charles E. Thompson Arizona Registered Assayer No. 9427

William L. Lehmbeck Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Au oz/ton	Cu %					<u> </u>
1	00351	<0.005	0.03					
2	00352	<0.005	0.01					
3	00353	<0.005	0.03					
ro: Esse	ex International, Inc.		REMARKS:		CERTIFIED B	Y :		
170	4 West Grant Road son, Arizona 85705		Single	analysi	s ^L			
Attr	n.: Mr. E. G. Heinrichs		DATE REC'D: 1/6/		DATE COMPL.: 1/14/7	5	JOB NUMBER 75002	

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Late rayment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

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	•75	**	13.00	35-00	1.554-79	2.65	11.12	7. 87	8	Rate			
12,597.46	23.25	223.20	312.00	3,325.00	233-22	71.55	11.12	3.81	8.68	Total		MT. IRON. MICHIGAN SANTIAGO, CHILE sobie: BOYLESBROS cubie: BOYLESCOP MEXICO CITY, MEXICO MEXICO CITY, MEXICO	PHOENIX, ARIZONA GOLDEN, COLORADO SPOKANE, NEVADA SPOKANE, WASHINGTON

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of this invoice. It will be computed from the due date to the date we receive payment.

ROTARY DELLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT ORDER NUMBER: INVOICE NU	er 24, 1974 Days Safford, Arri From 2158	CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321 Mr. Paul Eimon Essex International, Inc. 1704 V. Grant Avenue Procson, Arizona 85705 To Footog 2500 10 10 123	EERS Innt I 1110 Avenue 3a. 85705 Footoge 762 123	PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE MT. IRON, MICHIGAN SANTIAGO, CHILE SON MEXICO CITY, MEXICO MEXICO CITY, MEXICO Nelar: 001774546 Nelar: 001774546 13-90 1-894-20
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	Caustic Soda		3 Sks.	18.15
	Soda Ash		7 Stes.	14-50
	Kwik Seal		11 Sks.	15.40
A de a construction de la constr	Dicks Mud Seal		12 Sks.	10.55
	Barite (Baroid)		3 Sks.	5.20
	Mud Fiber (Magcobar)	ver)		15.40
			-	17.58

of this invoice. It will be computed from the due date to the date we receive payment.

	hads of Vater	Water Truck Mileage	Water Truck Rental	Cement, drilling,	living, handling,		nan nanan ang ang ang ang ang ang ang an		Materials Used:	Hole No.	ORDER NUMBER: SW-279 INVOICE NUMBER: SW-279 CONTRACT: 6-704 TERMS: Net 30 LOCATION: N. of	INVOICE DATE: Dece	PACE -2-	A ROTART ORILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT
	· · · · · · · · · · · · · · · · · · ·		- 390.00 Per Mo.	& standby time	& transportation	Portland Cement	Vall-nut - Medium	Lime (Baroid)	Zeogel (Baroid)	From	279 34 30 Days 31 Safford, Arizona	December 24, 1974	1624 Pic	
		na na sa sana na sa	name and a second of the second s		a se a company a comp		a (Baroid)		and a second	То	Mr. Paul Essex In 1704 V. Tuoson,	LAKE CITY, UTA Cable: BOYLES Telex: 388-32	CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone	DRILLING COMPANY
TOTAL BILLING	31 Loads	744 ML.	24 Days	95 Hrs.	15 %	27 Sks.	1 Sk.	1 Sk.	- Sk.	Footage	L Eimon nternational, Inc. Grant Avenue Arizona 85705	4110	5)NEERS d Plant Phone (801) 487-3671	PANY
4	•75	• 30	13.00	35.00	1.554-79	2.65	1.12	3.81 1	8.68	Rate		·	MUR	w
12,597.46	23-25	223.20	312.00	3,325.00	233-22	71.55	11.12	3.81	8.68	Total		LIMA, PERU cable: BOYLESCOP MEXICO CITY, MEXICO felex: 001774545	MURFREESBORO, TENNESSEE MT. IRON, MICHIGAN SANTIAGO, CHILE coble: BOYLESBROS	SPOKANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON

OT THIS nce. It will be computed from the due date to the date we receive payment.

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INVOICE NUMBER: Sw - 279CONTRACT: $(a \cdot 709)$ FOUNDATION TESTING DRILLING ADDITIVES GROUTING DIAMOND CORE DRILLING ORDER NUMBER: 18:53 ARY DRILLING INVOICE DATE: LOCATION: Hole No. TERMS: 072 12-24.74 DO da 2500 215 From 41×024 9351 mul 2 12 SX 5 S CV 6 SA Warden 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 S Caustic Sod 2623 DRILLING COMPANY recam any 85705 Easey International Since) order CONTRACTORS-ENGINEERS Keel Sea 2500 General Offices and Plant Dard icks mug Cable: BOYLESCO MR PAUL EIMON Telex: 388-321 / PAUL EIMON 5 500 502 N W Footage 15. 40 99,40 596,40 18,15 54,45 18.15 0,53 \$ \$ \$ 4.50 45-40 1894.20 15,40 13.90 5.20 17.58 Rate N 60 MURFREESBORO, TENNESSEE MEXICO CITY, MEXICO telex: 001774546 SPOKANE, WASHINGTON 362.20 IRONWOOD, MICHIGAN BRANCH OFFICES 126,60 169.40 101.50 GOLDEN, COLORADO LIMA, PERU cable: BOYLESCOP SANTIAGO, CHILE Cartone PHOENIX, ARIZONA SPARKS, NEVADA 15,40 15.60 80

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Z CONTRACT: 6 70 DRILLING ADDITIVES FOUNDATION TESTING GROUTING AUTANY DRILLING DIAMOND CORE DRILLING ORDER NUMBER: INVOICE DATE: 12-24-74 180E - 7-153 mg, Havelling, & Transportation CONTRACT: 6 LOCATION: 10 , Hole No. TERMS: 30 doc 31 loads From his Cements and bol Wales We milease N SX SX. I XS S 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 Water The Kental 390 ma. Water at N-2 3pageto Wall mu SALT LAKE CITY, UTAH 84110 DRILLING COMPANY Bovies Bros. 1 vral ucon and 85 705 CONTRACTORS-ENGINEERS Cable: BOYLESCO MR. PAUL EIMON Telex: 388-321 MR. PAUL EIMON Suser International Inc General Offices and Plant 70 J W. I sant ave land in their Standley Annart med. Footage 20 35,00 3325.00 13.00 da 312.00 30 1 mill 223 20 11-12 2.65 71.55 1554.79 233.22 18,6 MURFREESBORO, TENNESSEE Vyle V SPOKANE, WASHINGTON MEXICO CITY, MEXICO telex: 001774546 IRONWOOD, MICHIGAN BRANCH OFFICES LIMA, PERU cable: BOYLESCOP GOLDEN, COLORADO 23,25 SANTIAGO, CHILE PHOENIX, ARIZONA SPARKS, NEVADA 12597.46 112 3.8/ 90-90-90-

REPART DELLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT		CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO	NEERS ant 1000 (801) 487-3671 1 84110	۲. ۲.	PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORD, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE Gabie: BOYLESBROS LIMA, PERU Cabie: BOYLESCOP
) INVOICE DATE: NOVI	November 30, 1974	Telex: 388-321			MEXICO CITY, MEXICO telex: 001774546
		КĽ	io Av		
	30 Days th of Safford, Arizona	Tucson,	Arizona 85705		
Hole No.	From	То	Footage	Rate	Total
ES-31 RB	, 1800	2000	200	9.25	00•058 ⁴ 1
RB	2000	2105	105	11.25	1,181.25
Rig up, wash down	to 1,800 ft., &	mix mud	77 Hrs.	35.00	2,695.00
Lay down & haul casing	casing	· · · · · · · · · · · · · · · · · · ·	18 Hrs.	35.00	630.00
)etup coring & r	run in core pipe & ł	haul water	20 H rs .	35.00	700.00
Standby	·.	4	2 Hrs.	35.00	70.00
Materials Used:	Caustic Soda (Baroid)	oid)	3 Sks.	22.49	67•47
;	Mud No. 2		97 Sks.	3.90	378.30
	Driscose		3 Sks.	99.40	298.20
	Mud Fiber (Magcobar)	ar)	3 Sks.	15.40	46.20
			2 Sks.	21.70	48.40

terms of this invoice. It will be computed from the due date to the date we receive payment. 9 i payi

RETARY DELLING GROUTING FOUNDATION TESTING DIAMOND DHILLING EQUIPMENT PAGE -2-	$\mathbf{\circ}$	CONTRACTORS-ENGINEERS General Offices and Plant	PANY ant	St Murs I	PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN
ビ Al いむ ー こ ー	1624 Pioneer Road SALT I	P. O. Box 58 AKE CITY, UT	AH 84110		SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU
	November 30. 1974	Cable: BOYLESCO Telex: 388-321		z	MEXICO CITY, MEXICO telex: 001774546
ORDER NUMBER:		Mr. Paul Eimon	n		
INVOICE NUMBER: SW-251		Essex International,	tional, Inc.		
CONTRACT: 6-704		1704 W. Grant			
TERMS: Net 30 Location: North	30 Days 1 of Safford, Arizona	Tucson, Arizona na	na. 85705		
Hole No.	From	То	Footage	Rate	Total
Materials Used:	Formaldehyde		20 Gal.	35.00	700.00
	Miracle Lime (Baroid)	oid)	1 Sk.	3.81	3.81
	Portland Cement		20 Sks.	2.65	53.00
Mixing, handling	& Transportation		15 %	1,595.38	239.31
\bigcirc	Water		22 Loads	•75	16.50
	Rock Bit - 5 7/8		<u> </u>	142.00	142.00
	3 ¹ / ₂ Casing Black		2105 Ft.	3.80	7,999.00
	32 Casing Shoe Float	oat	<u>د</u>	55.00	55.00
	4" Plug		<u>ب</u>	13.00	13.00
Water Truck Rental	1 - 390.00 Per Mo.	· · ·	18 Days	13.00	234.00
Water Truck Mileage	а С С С		484 Mi.	• 30	145.20

FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT PAGE -3- INVOICE DATE: NOVEMBER 30, 1974 ORDER NUMBER: SW-251 CONTRACT: 6-704 TERMS: Net 30 Days LOCATION: North of Safford, Hole No. From ES-31 NX 2105 Mobilization to Safford	rember 30, 1974 -251 -251 -251 -251 -251 -251 -251 -251	DRILLING COMPANY CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 4 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321 Mr. Paul Eimon Essex International, 1704 W. Grant Avenue Tucson, Arizona 857 Arizona 70 2158	S-ENGINEERS es and Plant x 58 Phone (801) 487-3671 Y, UTAH 84110 YLESCO 188-321 1 Eimon nternational, Inc. Grant Avenue Arizona 85705 Footage 53 TOTAL BILLING	Rate Total 13.900.00 500.00 13.900 13.900 13.90 13.90 10.00
Hole No.		то 2158	Footage 53	Rate 13•90
to	ford			500.00

-	FINAL INVOICE ES-31	andon management of the contract of the contract many for the two contracts of the contract management	Water Truck Nileage	Water Truck Rental	Freight & Handling				Materials Used:	BS- 31	Hole No.	ROTARY DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING FOUNDATION TESTING FOUNDATION TESTING FOUNDATION TESTING FOUNDATION TESTING FOUNDATION TO THE TO FOUNDATION TO FOUNDATION TO THE TO FOUNDATION T
				- 390.00 Per Mo.		DER-585	Formaldehyde	Spersene (Magcobar)	Rod Lube (Magcobar)	2623	From	y 7, 1975 Days of Safford,
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		TOPAL BILLING	24 ML.	7 Deys	15 %	1 Can		N	5 Cans	122	Footage	Int Sont (801) 487-3671 4110 Ational, Inc. It Avenue Sona 85705
			•30	13.00	212.48	33-10	35.00	21.94	29. 70	15.40	Rate	
	and a second of the second	2,221-35	7.20	91.00	31.87	33.10	35.00	43.88	100.50	1,878.80	Total	BRANCH OFFICES PHOENIX, ARIZONA GODEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE MT, IRON, MASHINGAN SANTIAGO, CHLIGAN SANTIAGO, CHLIGAN SANTIAGO, CHLIGAN MEXICO CITY, MEXICO 19408: 0011774546

of this invoice. It will be computed from the due date to the date we receive payment.

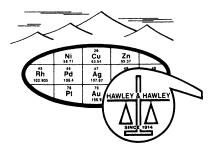
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ø INVOICE NUMBER: . DIAMOND DRILLING EQUIPMENT FOUNDATION TESTING GROUTING ROTARY DRILLING DIAMOND CORE DRILLING ORDER NUMBER 5.3 INVOICE DATE: CONTRAC LOCATION: Hole No. TERMS ライトで - W Z 1 Water Scano Rod Lulo. (M. Can. Water the SX. Sperpens in me 2623 25 From Outstas 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 e st milles INVOICE SALT LAKE CITY, UTAH 84110 2745 DRILLING COMPANY bovies boros. CONTRACTORS-ENGINEERS Tudan ariz. 85705 General Offices and Plant Easleys interorational Inc. 1704 W. Grant ave. Cable: BOYLESCO Telex: 388-321 То Used 2-3 V 122 390. ma. Footage 13,00 la 35:00-2/2.48 15.80 ci O Ci 20.10 21.94 33,10 35,00 Rate MURFREESBORO, TENNESSEE SPOKANE, WASHINGTON MEXICO CITY, MEXICO telex: 001774546 SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP IRONWOOD, MICHIGAN 1878.30 **BRANCH OFFICES** GOLDEN, COLORADO PHOENIX, ARIZONA SPARKS, NEVADA 2221.35 100,50 1 43.88-91,001 Total 33,10 1 35,00 -7.20 /

			Water Truck Mental - 390.00 Per No.				Spersene (Magoohar)	Materials Used: Red Inte (Magachur)		Hole No. From	DIAMOND CORE DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT INVOICE DATE: January 7, 1975 ORDER NUMBER: INVOICE NUMBER: CONTRACT: 004 TERMS: 004 LOCATION: 10711 015
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	2,221.35	7.20	91.00	31.87	33. 10	35.00	43.88	100.50	1,878.80	Total	BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE MT. IRON, MICHIGAN SANTIAGO, CHIGAN SANTIAGO, CHIGAN Cable: BOYLESBROS LIMA, PERU Cable: BOYLESBROS LIMA, PERU Cable: BOYLESCOP MEXICO CITY, MEXICO Nebe:: 001774546

of this invoice. It will be computed from the due date to the date we receive payment.

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SKYLINE LABS, INC. Hawley & Hawley, Assayers and Chemists Division P.O. Box 50106 • 1700 West Grant Road Tucson, Arizona 85703 (602) 622-4836

INVOICE

SOLD TO:

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Essex International, Inc. 1704 West Grant Road Tucson, Arizona 85705 INVOICE NO.: JOB NO.: 750026 P.O. NO.:

۰.

DATE: January 14, 1975

Attention: Mr. E. G. Heinrichs

TERMS: NET 30 DAYS

Analysis of 3 Rock Chip Samples

Single analysis

	Gold (fire assay) @ \$4.00\$ Copper @ \$2.00	
	Sub Total	18,00
3	Samples crushed, split and pulverized @ \$1.65 (sample wt 6 lbs: 1st lb @ \$0.90, >1 lb add \$0.15/1b)- Total \$	

THE HILTON INN

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Hole ES-31

2500 400' STRONG By - Biotite INCREASING CHA/CO

Pyrike Zone

Date Startel Druelingin Date Conny Startet Nor 29th Frotagian and of House 2105' Geording to bike) actual 2118' at ful ghor withele

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DRILL 1000' more

We invite you to THESE FINE HILTON INN FACILITIES

THE PENTHOUSE THE RIVER ROOM THE CLIFF LOUNGE

September 6, 1974

MEMO

TO: Robert Holt FROM: Bob Helming

SUBJECT: Status of drill hole ES-31 on the Nail Keg 3 claim.

The included sketch map indicates the location of drill hole ES-31 which was recently drilled to 1800 feet to fulfill assessment requirements on the Nail Keg, Bohemia and other contiguous claim groups.

So far as Essex knows there is an information gap in the area between the San Juan and PD ore bodies and adjacent to the Butte Fault on the north or footwall side. Information from this area could determine what, if any, connection exists between the San Juan and PD ore bodies at depth. From a somewhat more speculative viewpoint the data could aid in defining the shape, position and dimensions of the PD ore body since it is now apparent that PD is doing considerable underground drilling to answer those same questions. All of this data would significantly affect any future decisions concerning Essex land position in the Safford area.

The best way to test the area would have been to drill north of the fault on the San Juan property. This was impossible due to legal problems therefore the alternative was to collar a hole at the present site of ES-31 and attempt to drill through the fault to test the ground beneath the fault. The drill hole should penetrate the fault at approximately 2300 feet assuming a dip of 65 degrees for the fault. We can expect large fracture zones on both sides of the fault plane. The hole was rotary drill 5 3/4 inches diameter to 1800 feet and then filled with drilling mud. No casing was emplaced so the hole may be continued by rotary drill through the fault and then cased.

The biotite-chlorite alteration and mineralization of trace to locally moderate copper oxide in the hanging wall was anticipated based on prior knowledge of nearby outcrops and drill holes. A more detailed log will be prepared when assays are available.

Drill hole ES-31 was stopped on August 28 because the necessary money had been spent for assessment work on the claim group. I recommend Essex continue the hole as soon as a satisfactory drill can be contracted for the following reasons:

1) The hole is testing the last area on the claim group where there is insufficient data to form a reasonable geologic conclusion.

- 2) It seems very probable that Essex will maintain its property position for some time and will eventually have to do next years assessment work.
- 3) The longer the hole is left standing the less likely it can be reentered although it appeared to be in good condition.
- 4) The project geologist is presently located in Safford to handle the drilling.

Arguments against continuing the hole now are:

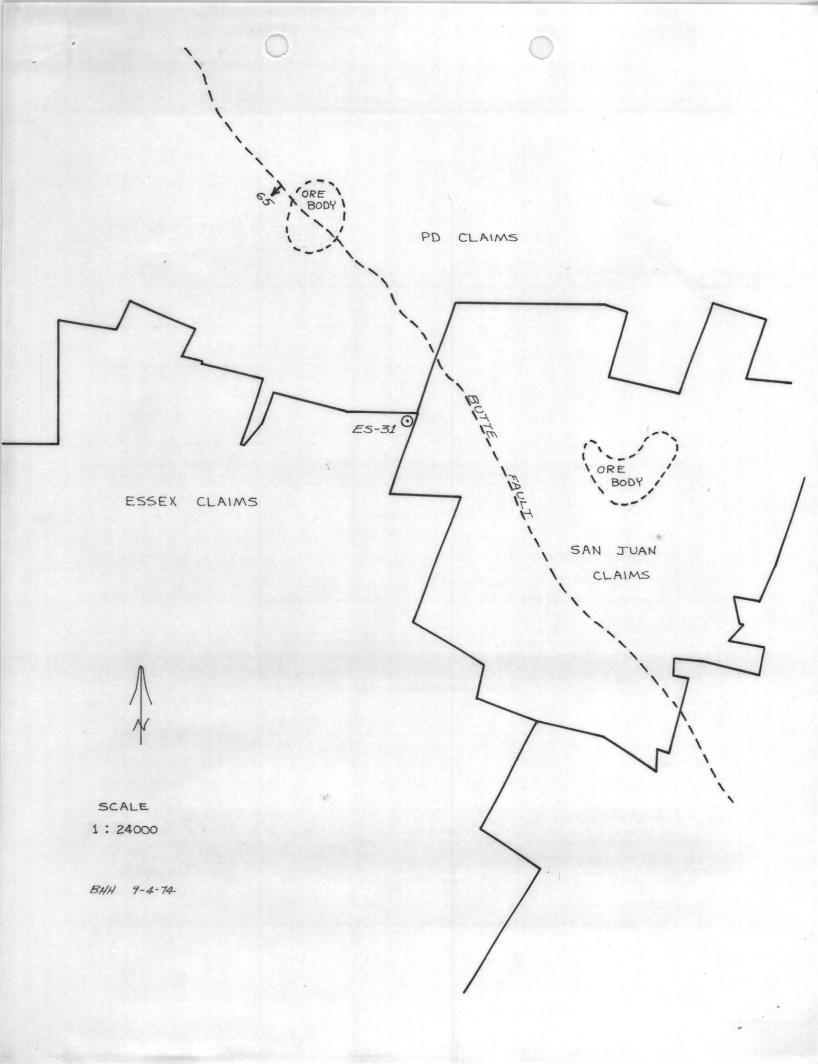
- 1) The claims may be dropped before we have to do next years assessment work.
- 2) No valid target exists and it is an expensive method of data collecting.
- 3) There is the unlikely possibility that PMC could subpoen the drill hole data because the hole is collared only 65 feet from the San Juan property.

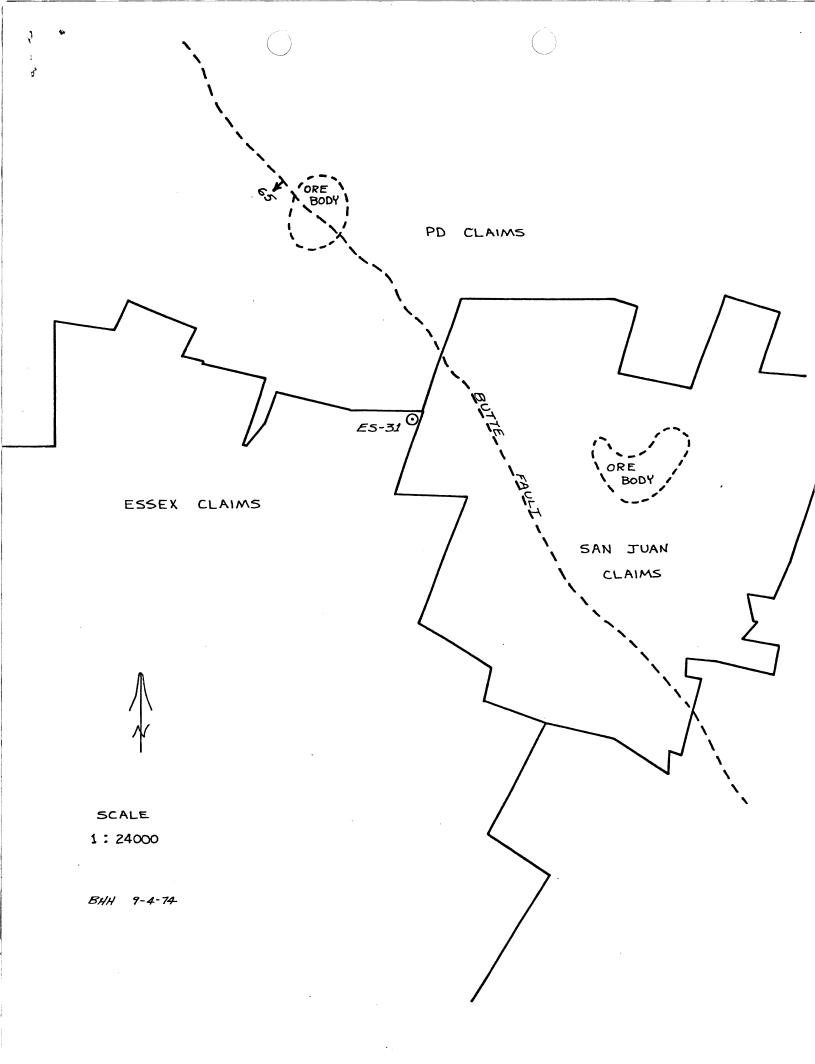
Drilling through a major fault at depths exceeding 2000 feet will be a formidable task therefore nothing smaller than a Boyles Bros. DMX drill should be considered. Following are some cost estimates assuming the hole is rotaty drilled to 2600 feet, cased with $3\frac{1}{2}$ inch pipe and cored Nx to 3500 feet.

Rotary drilling to 2600 feet	\$ 9,500
Additives, bits, water truck, etc.	\$ 6,000
Casing	\$11,700
Coring 2600 to 3500 feet	\$15,000
Additives, bits, water truck, etc.	<u>\$ 8,000</u>
Total	\$50,200

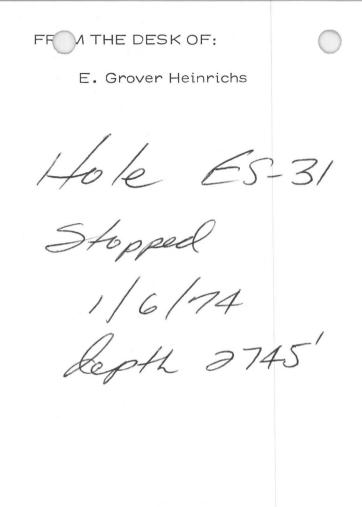
The cost of the hole should be compared to the semiannual property payments for these claim groups of approximately \$65,000. Furthermore, if the hole is drilled now the major portion of the assessment work would be done until July of 1976.

> Bob Helming Project Geologist Safford, Arizona





1435 S. 10th AVE. P. O. BOX 1889 DUPLICATE Certificate No. Sample Submitted by M	71		tered Ass	ayers		1	ie 622-0813
SAMPLE MARKED	GOLD	GOLD Value per ton ore *	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay
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SPEED MEMO To Dick Kelly At Pro INA Subject KFA Speland Proj. Enclosed are the following 1) P.D. AREA 32889.43 2) Lennecott Presa 13,600.00 - 3) Sand Juna Area 23, 400'00 Please submit for corporate approval Please note the attached payment schedule which will be Signed PLEASE REPLY TO good for compression with your into. If you have any guestions plense let me Know. 16 Signed Date ACT 002

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MIXING MUD			0.6				
		BITS	AND SHEL	LS			
BIT NOSIZE	& TYPE		OVERSIZ	ζΕ	ON	OFF	
SHELL NO	TYPE			0	1	OFF	
BIT CONDITION			REAS	ON FOR		- 4	
REMARKS (Explain dela	vs and h		lition)	inish	trih	hine a	
out change	lit	th	proc	ls is	a ne	v lit	
2567			/				

YLES BROS. DRILLING COM NY					
JOB 6 - 700	in Sal	land	DATE 12	-23-74	
SHIFT DAYSWIN	10C			1085-31	
SHIFT DAYSWIN	G		HOLE N	10. <u>23</u>	
RODS, END OF SHIFT					
FEET CASED	FROM	TO		SIZE	
FEET REAMED	FROM	TO		SIZE	
CEMENT DRILLED	FROM	то		-	
	TIME	CHARGES			
DRILLING		CEMENTI	٧G	• • •	
REAMING		EQUIP. R			
CASING		STAND-B	Y OR SURVE	Y	
SET-UP, TEAR DOWN		WATER D	ELAY		
MIXING MUD		WASHING	G OR CLEAN	ING	
	BITS A	ND SHELLS			
BIT NOSIZE &	ТҮРЕ	OVERSIZE	ON	OFF	
SHELL NO1	YPE	1	_ON	OFF	
BIT CONDITION	°.	REASON F	OR RETIRING	;	
REMARKS (Explain delays a	and hole cond	ition)			
DRILLER AL Heh	N	_ HELPER_	Jane		
MACHINE NO		- FOREMAN			

YLES BROS. DRILLING COM NY SHIFT REPORT				
JOB 6-704 LOC. SHA	FORD DATE 12-23-74			
	NITEHOLE NO. 25-3/			
RODS, END OF SHIFT	MUD			
FEET REAMEDFROM	TO \$IZE			
CEMENT DRILLED FROM	то			
	E CHARGES			
DRILLING8	CEMENTING			
REAMING	EQUIP. REPAIR			
CASING	STAND-BY OR SURVEY			
SET-UP, TEAR DOWN	WATER DELAY			
MIXING MUD	8 WASHING OR CLEANING			
BITS	AND SHELLS			
BIT NOSIZE & TYPE	OVERSIZEONOFF			
SHELL NOTYPE	ONOFF			
BIT CONDITION	REASON FOR RETIRING			
REMARKS (Explain delays and hale co change bit how ment bit at 262	ndition) trip rods out + in notes in 2100 feel 3. dilled 3 feel in			
DRILLER John Bozgetedt Machine NO7	- HELPER_ Larrio			

JOB 6-704	oc. Day	fard	DATE	-2-1		
SHIFT DAYSWIN	G		HOLI	E NO. 23 3		
RODS, END OF SHIFT		MUD		1		
STICKUP, END OF SHIFT	28		Rod	/		
DEPTH, END OF SHIFT	23		- /	nsoon		
DRILLED						
CORE RECOVERED	15		S			
	TYPE OF ROCK WATER_/_Conf					
NUMBER OF RUNS	R			. /		
FEET CASED	FROM	TO	- <u>}</u>	SIZE		
FEET REAMED	FROM	TO		SIZE		
CEMENT DRILLED	FROM	то				
10	TIME	CHARGES	÷	a style i se		
DRILLING		CEMENTI	NG	Torrige		
REAMING		EQUIP. R	EPAIR			
CASING		STAND-B	Y OR SU	RVEY		
SET-UP, TEAR DOWN		WATER D	ELAY			
MIXING MUD		WASHING	G OR CLE	ANING		
	BITS A	ND SHELLS				
BIT NOSIZE & 1	YPE	_OVERSIZE	ON	0FF		
SHELL NOT	(PE		ON	OFF		
BIT CONDITION		REASON F	OR RETIRI	NG		
REMARKS (Explain delays a	nd hole cond	ition)				
	- 					
		ż				
		<u>.</u>				

BC LES BROS. DRILLING				
JOB 6-704		lord	12	5-74
JOB 6 7 0 9	oc. g			16.23
SHIFT DAYSWIN	G	NITE	HOLE N	0. <u>6</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	345 320 25 25	WATER	r Rod	2 Mud Seal Lube
FEET CASED	FROM	то		SIZE
FEET REAMED	FROM	то		SIZE
CEMENT DRILLED	FROM	то		
2		CHARGES		
DRILLING		CEMENTING	3	
REAMING		EQUIP. REP	AIR	
CASING		STAND-BY	OR SURVE	Y
SET-UP, TEAR DOWN		WATER DEL	AY	
MIXING MUD		WASHING	OR CLEANI	NG
	BITS A	ND SHELLS		1
BIT NOSIZE & T	ГҮРЕ	_OVERSIZE	ON	OFF
SHELL NOT	YPE	C	DN	OFF
BIT CONDITION		REASON FOR	R	
REMARKS (Explain delays a	nd hole condi	tion)		
DRILLER NO.	he	HELPER_	eve	•
7				

			~~~	
BOULES BR		RILLING	COMPA	Y
JOB 6-704 LOC.	SAFF	ORD	DATE 13	1-5-74
SHIFT DAYSWING	V	NITE	HOLE	NO. ES- 31
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	65 45	CAL-SE LUMNIT PORTLA ADDITI	ND VES	с <i>і</i> ? 4С
FEET CASED	FROM	т	0	SIZE
FEET REAMED				
CEMENT DRILLED			0	
1 M		CHARGES		
DRILLING		CEMEN	TING	
REAMING		EQUIP.	REPAIR	
CASING		STAND	-BY OR SURV	'EY
SET-UP, TEAR DOWN		WATER	DELAY	
MIXING MUD		10 WASHI	NG OR CLEAN	VING
		ND SHELLS		
BIT NOSIZE & TYPE		_OVERSIZE_	ON	OFF
SHELL NOTYPE_			ON	OFF
BIT CONDITION		REASON	FOR RETIRIN	G
REMARKS (Explain delays and h Min different 2365	ole cond typ	ition) <u>trif</u> 2 of 1	for not	out to
DRILLER John Berglan MACHINE NO7	del.	HELPER	Tom	

BOTLES	BROS. DR	REPORT	СОМРА	Y
JOB 6-704	LOC. SAFFE	ORD	DATE	-6-74
SHIFT DAY SWIN	IG	NITE	HOLE	NO. <u>(55-3/</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	2393 2365 28 28	TYPE_ CAL-SE LUMNI PORTL/ ADDIT	EAL ITE AND IVES R	
FEET CASED	FROM		то	SIZE
FEET REAMED				
CEMENT DRILLED	FROM		то	
DRILLING		CEMEN	JTING	
	NG EQUIP. REPAIR			
CASING				/EY
SET-UP, TEAR DOWN				
MIXING MUD		0 WASH	ING OR CLEAN	
BIT NOSIZE &		ID SHELLS	ON_	OFF
SHELL NO	TYPE	1. E.	ON	OFF
BIT CONDITION		REASON	FOR RETIRIN	IG
REMARKS (Explain delays A stud duel	and hole condit	ion) <u>lor</u>	ver no	de in
DRILLER AL		HELPER	DAVE	

BOYLES BI		DRILLING T REPORT	COMP	ANY	
JOB 6-704 LOC.	SHE	FORD	DATE	12-6-7	4
SHIFT DAYSWING					
RODS, END OF SHIFT         STICKUP, END OF SHIFT         DEPTH, END OF SHIFT         DEPTH, START OF SHIFT         DRILLED         CORE RECOVERED         TYPE OF ROCK         NUMBER OF RUNS	411 393 18 18	TYPE _ CAL-SE LUMNI PORTLA ADDITI WATER	AL TE ND IVES R		
FEET CASED				SIZE	
FEET REAMED	FROM_	т	0	SIZE	
CEMENT DRILLED	FROM				A.
	TIME	CHARGES		(-22	-
drilling7		CEMEN		\$ ₇ .	
REAMING		EQUIP.	REPAIR		e p
CASING		STAND	-BY OR SU	JRVEY	*****
SET-UP, TEAR DOWN		WATER	DELAY	332	1 ¹¹
MIXING MUD	<u>.</u>	/O WASHI	NG OR CLI	EANING	<u></u>
BIT NOSIZE & TYPE		AND SHELLS			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
SHELL NO TYPE			ON	OFF	
BIT CONDITION		REASON	FOR RETI		
REMARKS (Explain delays and h			0		
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
DRILLER John Borg	stod	HELPER_C	Tom		
MACHINE NO		- FOREMAN			

TOSIZE TO RGES CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING SHELLS /ERSIZEONOFF ONOFF REASON FOR RETIRING)	JOB 6 - 704	oc. Sall	and DA	TE 12 - 9-74
TYPE	SHIFT DAYSWIN	G		HOLE NO. 2531
TORGES CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING SHELLS //ERSIZEONOFFONOFF REASON FOR RETIRING)	RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT2 DEPTH, START OF SHIFT2 DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	439 411 28 28	TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES	Drical Socia Cell
RGES CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING SHELLS VERSIZEONOFF ONOFF REASON FOR RETIRING	FEET CASED	FROM	то	SIZE
RGES CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING SHELLS VERSIZEONOFF ONOFF REASON FOR RETIRING	FEET REAMED	FROM	то	SIZE
CEMENTING EQUIP. REPAIR STAND-BY OR SURVEY WATER DELAY WASHING OR CLEANING SHELLS /ERSIZEONOFF ONOFF REASON FOR RETIRING)	CEMENT DRILLED	FROM	то	
SHELLS /ERSIZEONOFF ONOFF REASON FOR RETIRING)	REAMING CASING SET-UP, TEAR DOWN MIXING MUD		EQUIP. REPA STAND-BY C WATER DELA	IR DR SURVEY Y
REASON FOR RETIRING			ID SHELLS	ONOFF
) Dave :				
Dave :			REASON FOR	
LPER_Dave	REMARKS (Explain delays a	nd hole conditi	on)	
LPER Dave		1997 - 19		
LPER_Dave	-	بر حد او در		
LPER Dave		. Bert		No.
IPER Dave		the second se		
LPER_NVMC	al behr	1	Da	p .
	DRILLER OU APERN		HELPER	<u>`</u>
RÉMAN	MACHINE NO.		FOREMAN	

BCLES		RILLING (COMPA	Y
JOB 6 704 LC	C. SHE	FORD		-9.74
SHIFT DAYSWING				
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	469 4 39 30 30	TYPE CAL-SEA LUMNITE PORTLAN ADDITIV	L E ID ES	
FEET CASED				
FEET REAMED				SIZE
CEMENT DRILLED)	
. 13	R 85.2488	CHARGES		
DRILLING		CEMENT	ING	
REAMING	10.700 p. 11.000 - 41.000 #	EQUIP. REPAIR		
CASING		STAND-B	Y OR SURVE	Υ
SET-UP, TEAR DOWN		WATER D	DELAY	
MIXING MUD		10 WASHIN	G OR CLEANI	NG
BIT NOSIZE & TY	BITS #	ND SHELLS		
SHELL NOTYP	PE		ON	OFF
BIT CONDITION		REASON F	OR RETIRING	
REMARKS (Explain delays and the might for wheels,	d hole cond I wi	ition) <u>dra</u> e ling	in pr	mps for
DRILLER John Borget MACHINE NO	test	HELPER	terling	

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B		RILLING CON	AP YY
JOB 6-704			12-10-74
SHIFT DAY SW	ING		HOLE NO. 5-31
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	2487 2469 18 18	CAL-SEAL LUMNITE PORTLAND	ud & Lucher 10gd
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM_	то	SIZE
CEMENT DRILLED	FROM	то	
	TIME	CHARGES	
DRILLING)	CEMENTING_	
REAMING		EQUIP. REPAIR	8
CASING		STAND-BY OF	SURVEY
SET-UP, TEAR DOWN		WATER DELAY	
MIXING MUD		WASHING OR	CLEANING
	BITS A	ND SHELLS	
BIT NOSIZE	& TYPE	OVERSIZE	_ONOFF
SHELL NO	TYPE	ON	OFF
BIT CONDITION		REASON FOR R	ETIRING
REMARKS (Explain delays	and hole cond	ition) trup no	do out
No Hole		HELPER Davy	0
MACHINE NO			2
7	and a second	- FOREMAN	

B		DRILLING	COMP	Y
JOB_6-704			DATE /	2-10-74
SHIFT DAYSW				
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED	2503 2487 16	TYPE CAL-SEA LUMNIT PORTLA	AL E ND	
TYPE OF ROCK	1			
FEET CASED	FROM			SIZE
FEET REAMED	FROM_	то	D	SIZE
CEMENT DRILLED	FROM_	т	o	
	TIME	CHARGES		z ogni telletike endle oceanie andre ocea T
		CEMENT	ING	
REAMING		EQUIP.	REPAIR	
CASING		STAND-	BY OR SUR	VEY
SET-UP, TEAR DOWN		WATER	DELAY	
MIXING MUD		8 WASHIN	G OR CLEA	NING
	BITS	AND SHELLS		
BIT NOSIZE	& TYPE	OVERSIZE	ON	OFF
SHELL NO	TYPE		ON	OFF
BIT CONDITION		REASON	FOR RETIRIN	۲G
REMARKS (Explain delays Stort dill lost creula	s and hole cond ling time of	dition) <u>trep</u> new-t- 2 593	s not	2487
DRILLER John Bor MACHINE NO	rgstadt	HELPER	londo	Romero

			A Part of the		
BULES BROS. DRILLING COMPUT					
JOB 6-704	or Saf	Red	DATE 12	-11-74	
		NUTE		ES21	
SHIFT DAYSWIN	G		HOLE N	10. 2331	
RODS, END OF SHIFT					
FEET CASED	FROM	то		SIZE	
FEET REAMED	FROM	то		SIZE	
CEMENT DRILLED	FROM	то.			
	TIME	CHARGES			
DRILLING		CEMENTIN	NG		
REAMING		EQUIP. RE	PAIR		
CASING				Y 5	
SET-UP, TEAR DOWN	-	WATER DI	ELAY		
MIXING MUD		WASHING	OR CLEAN	ING	
	BITS A	ND SHELLS			
BIT NOSIZE &			ON	OFF	
SHELL NOT	YPE		ON	OFF	
BIT CONDITION		REASON FO	OR RETIRING	;	
REMARKS (Explain delays a	nd hole cond	ition)			
m p d p		J	de as a		
DRILLER LA Alt		_ HELPER_AU	ave	-	
MACHINE NO	1. ())	FOREMAN			

×					i i	
BYLES BROS. DRILLING COMPANY						
	-	FT REP	. /		1	
JOB 6-204 LOC		aff	en DA	TE 12.	-11-7K	
SHIFT DAYSWING	1. Takto		E	HOLE N	0 25 3/	
			14	1.	2	
RODS, END OF SHIFT			MUD 67	rud	0	
STICKUP, END OF SHIFT	3.3		TYPE 4	unk S	eax non	
					5 mill Sed	
DEPTH, START OF SHIFT 253	20					
DRILLED	3					
CORE RECOVERED			ADDITIVES_	0.00	ds	
TYPE OF ROCK			WATER	Joa	de la companya de la	
NUMBER OF RUNS						
FEET CASED	_ FROM _		то		SIZE	
FEET REAMED	_ FROM _		TO		SIZE	
CEMENT DRILLED	FROM.		то			
/		E CHAR				
DRILLING			CEMENTING			
REAMING						
CASING			STAND-BY C	R SURVE	1 20 9	
SET-UP, TEAR DOWN			WATER DELA	Y		
MIXING MUD		10	WASHING O	R CLEANI	NG	
	BITS	AND S	HELLS	ia internet interne	· · · · · · · · · · · · · · · · · · ·	
BIT NOSIZE & TYP	E	OVE	RSIZE	ON	OFF	
SHELL NOTYPE			ON	۱	OFF	
BIT CONDITION		RI	EASON FOR	RETIRING		
REMARKS (Explain delays and	hole con	dition)_	trip 1	ods	ant	
to cement had			• /			
Al R.	t al	1	£	0		
DRILLER John Borgsi	byl.		PER_Per	us		
MACHINE NO7		FOR	EMAN		<u> </u>	

B		DRILLING C		Y	
JOB 6-704	IOC SAL	FORD	DATE 12	-12-74	
SHIFT DAYSW		/			
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS		CAL-SEAL LUMNITE PORTLAN ADDITIVE WATER	DS	514 C.K.S 13.C.K	
FEET CASED	FROM_	TO		SIZE	
FEET REAMED	FROM _	то		SIZE	
CEMENT DRILLED	FROM_	ТО			
DRILLING REAMING CASING SET-UP, TEAR DOWN MIXING MUD		EQUIP. RI STAND-B' WATER D	EPAIR Y OR SURVEY ELAY	۲ ۱G	
	BITS	AND SHELLS			
BIT NOSIZE	& TYPE	OVERSIZE	ON	OFF	
SHELL NO	TYPE		_ON	_OFF	
BIT CONDITIONREASON FOR RETIRING					
REMARKS (Explain delay cement, ce Gaul Wate	s and hole con ment Juli	dition) gp ent and the pells	in + for	checke	
DRILLER John Bor MACHINE NO 7	egted	HELPER	ouis		

B	BROS. D	DRILLING CO	MP	
JOB 6 - 704	LOC Safe	and p	TE 12-12-74	
SHIFT DAYSWIN	G	NITE	HOLE NO. 준도 국/	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS		TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER	mid 2. 35×portland loads	
FEET CASED	FROM	TO	SIZE	
FEET REAMED	FROM	TO	SIZE	
CEMENT DRILLED	FROM	то		
	TIME	CHARGES		
DRILLING		CEMENTING	10	
REAMING		EQUIP. REPA	IR	
CASING		STAND-BY C	DR SURVEY	
SET-UP, TEAR DOWN		WATER DELA	Y	
MIXING MUD		WASHING O	R CLEANING	
	BITS	AND SHELLS		
BIT NOSIZE &	TYPE	OVERSIZE	ONOFF	
SHELL NOT	YPE	0	NOFF	
BIT CONDITION	BIT CONDITIONREASON FOR RETIRING			
REMARKS (Explain delays of pupe and	and hole conc Cart Mc	lition) Oun ster of	in Wash	
DRILLER W Hehr MACHINE NO7		_ HELPER Dans	٤.	

					C
	LES BRO	S. DRII SHIFT R			NY
JOB 6-704	LOC. S	AFFOR	'n	DATE /-	2-75
SHIFT DAY					
RODS, END OF SHIFT STICKUP, END OF SHIF DEPTH, END OF SHIFT DEPTH, START OF SHI DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	T2(6 FT2(3 2	587	TYPE CAL-SEAL LUMNITE _ PORTLANI ADDITIVE WATER	> S	Rube,
FEET CASED	FR	DM	то_		SIZE
FEET REAMED	FR0	DM	то		SIZE
CEMENT DRILLED	FR	ом	то		
		TIME CHA	ARGES		
DRILLING			CEMENTIN	1G	
REAMING	1. S.	10	EQUIP. RE	PAIR	
CASING			STAND-BY	OR SURV	EY
SET-UP, TEAR DOWN			WATER DE	LAY	
MIXING MUD			WASHING	OR CLEAN	1ING
BIT NOSI	_	BITS AND		ON	OFF
SHELL NO	TYPE			ON	OFF
REMARKS (Explain de	lays and hole	condition)		
DRILLER John 7 MACHINE NO.	Burgtod		ELPER RL	ick m	ronilf

YLE		RILLING C	OM	ſ
100 6-704	In Sala	las D	DATE /-	3-75
JOB 6-704 SHIFT DAY	NG		HOLE NO	0.8531
RODS, END OF SHIFT		MUD		1
		TYPE /	Rodde	ale.
STICKUP, END OF SHIFT	2685		. = ,	
DEPTH, START OF SHIFT				-
DRILLED				
TYPE OF ROCK	2			
FEET CASED	FROM			SIZE
FEET REAMED	FROM	TO_		SIZE
CEMENT DRILLED	FROM			
		CHARGES		
DRILLING6		CEMENTIN	IG	
REAMING		EQUIP. RE	PAIR_3	
CASING		STAND-BY	OR SURVEY	
SET-UP, TEAR DOWN	(9 WATER DE	LAY	
MIXING MUD	~~~~	WASHING	OR CLEANIN	IG
	BITS A	ND SHELLS		
BIT NOSIZE 8	. TYPE	_OVERSIZE	ON	OFF
SHELL NO	ТҮРЕ		ON	_OFF
BIT CONDITION		REASON FC	R RETIRING	
REMARKS (Explain delays	and hole condi	tion) Cha Whars	ngo a	
DRILLER OL Set	L	HELPER_M	Jane	
MACHINE NO		FOREMAN	3	

JOB 6 704	1		
SHIFT DAYSWIN	NG	NITE H	OLE NO. <u>233</u>
RODS, END OF SHIFT		MUD	
STICKUP, END OF SHIFT		ТҮРЕ	
DEPTH, END OF SHIFT	2705		
DEPTH, START OF SHIFT	2685		
DRILLED			
TYPE OF ROCK		WATER	
FEET CASED	FROM_	то	SIZE
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM_	то	
	TIME	CHARGES	
DRILLING		CEMENTING	
REAMING EQUIP. REPAIR			
CASING		STAND-BY OR	SURVEY
SET-UP, TEAR DOWN		WATER DELAY_	
MIXING MUD WASHING OR CLEANING			
	BITS	AND SHELLS	
BIT NOSIZE &	ТҮРЕ	OVERSIZE	ONOFF
SHELL NO	ГҮРЕ	ON	OFF
BIT CONDITION		REASON FOR RE	
REMARKS (Explain delays	and hole cond	lition) alot a	1 mud
rings on e	very	rung hold	trouble
with mud	ringe.	·	
	/		

YLE		RILLING CC	MNY
JOB 6- 704	In Sal	land a	
SHIFT DAYSWI	NG	NITE D	HOLE NO. <u>ES-3/</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	2715 2705	CAL-SEAL LUMNITE PORTLAND ADDITIVES	Rod Sube
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM	то	
./	TIME	CHARGES	
DRILLING		CEMENTING	
REAMING		EQUIP. REPA	IR_Z
CASING			DR SURVEY
SET-UP, TEAR DOWN	(WATER DELA	Y
MIXING MUD	\	WASHING O	R CLEANING
	BITS A	ND SHELLS	
BIT NOSIZE &	ТҮРЕ	_OVERSIZE	ONOFF
SHELL NO.	TYPE		NOFF
BIT CONDITION		REASON FOR	RETIRING
REMARKS (Explain delays	and hole condit	ion)	2
			- ⁻ N-
DRILLER al Kehi		HELPER_OA	ve
MACHINE NO.	1	FOREMAN	

				1 1 14		
YLES BROS. DRILLING COM NY						
JOB 6 - 704 LC	c. SALI	Den D	ATE /-	4-75		
SHIFT DAYSWING						
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	735 15 20 20	TYPE CAL-SEAL LUMNITE PORTLAND_ ADDITIVES_ WATER		-		
P						
FEET CASED						
FEET REAMED				IZE		
CEMENT DRILLED						
1		CHARGES				
		CEMENTING				
REAMING		EQUIP. REPA	AIR			
CASING		STAND-BY	OR SURVEY_			
SET-UP, TEAR DOWN		WATER DELA	Υ			
MIXING MUD		6 WASHING	OR CLEANING	;		
	BITS A	ND SHELLS				
BIT NOSIZE & TY	PE	_OVERSIZE	ON	OFF		
SHELL NOTYP	PE	0	N	OFF		
BIT CONDITION		REASON FOR	RETIRING			
REMARKS (Explain delays and	d hole cond Meno	ition)_trip	2735,	ul to		
DRILLER John Borge	ueld	HELPER Pice	6 ma	ril)		
MACHINE NO		FOREMAN				

		ę.		
BOLES		DRILLING CON	1P/OY	
1 704			11-26-7P	
SHIFT DAYSWIN	1G	NITE H	HOLE NO. 25 21	
			0	
RODS, END OF SHIFT		MUD 6-7	mid 2	
STICKUP, END OF SHIFT		TYPE		
DEPTH, END OF SHIFT	1.15	CAL-SEAL		
DEPTH, START OF SHIFT	105	LUMNITE / Caustic' Soda		
DRILLED		PORTLAND		
		ADDITIVES	land	
TYPE OF ROCK		WATER	www.	
FEET CASED	FROM _	то	SIZE	
FEET REAMED	FROM	ТО	SIZE	
CEMENT DRILLED	FROM	то		
	TIME	CHARGES	./	
DRILLING		CEMENTING_	4	
REAMING		EQUIP. REPAIR	4	
CASING		STAND-BY OR	SURVEY	
SET-UP, TEAR DOWN		WATER DELAY_		
MIXING MUD		WASHING OR	CLEANING	
	BITS	AND SHELLS		
BIT NOSIZE &	TYPE	OVERSIZE	ON OFF	
SHELL NO	ГҮРЕ	ON	OFF	
BIT CONDITION		REASON FOR RE	TIRING	
REMARKS (Explain delays (and holescone	lition Haul	Parapipa	
From Other		eveninghteres of higher of	et up coning	
	-	0		
DRILLER UP Kehn) lom	- HELPER Lou	z ¥ Ø	
MACHINE NO		- FOREMAN		

JOB 6 704 LA	oc. <u>s yp</u>		HOLE NO ES	
SHIFT DAT SWINC	7		HOLE NO. 00	
1. 1. 1				
RODS, END OF SHIFT MUD				
STICKUP, END OF SHIFT				
DEPTH, END OF SHIFT		CAL-SEAL		
DEPTH, START OF SHIFT				
TYPE OF ROCK				
NUMBER OF RUNS				
FEET CASED				
FEET REAMED	FROM	то	SIZE	
CEMENT DRILLED	FROM	то		
	TIME	CHARGES	1	
DRILLING	· ·	CEMENTING_	4	
REAMING		EQUIP. REPAI	. (
CASING STAND-BY OR SURVEY				
		\bigcirc	(
SET-UP, TEAR DOWN	/	VI		
MIXING MUD		WASHING OF	R CLEANING	
	BITS A	ND SHELLS		
BIT NOSIZE & T	YPE	_OVERSIZE	ONOFF	
SHELL NOTY	'PE	ON	OFF	
BIT CONDITION	s	REASON FOR		
		DR .	1.10.	
REMARKS (Explain delays an	id hole condi	tion)	of Casene	
Su pump	140-00	m up yo	2 courg -	
	* ~~ v		/	

BUTLES		T REPORT	
1 704			11. 2270
JOB 6-704 LO	C. Saf	fund DAT	E <u>[[~~(i (7</u>
SHIFT DAYSWING		NITEH	HOLE NO. C-5-21
RODS, END OF SHIFT		MUD 6 SX	mud
STICKUP, END OF SHIFT		ТҮРЕ	
DEPTH, END OF SHIFT		CAL-SEAL	****
DEPTH, START OF SHIFT		LUMNITE	
DRILLED			
		ADDITIVES	pada
NUMBER OF RUNS		WATER_0	
FEET CASED			
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM	то	
	TIME	CHARGES	
DRILLING		CEMENTING_	8
REAMING		EQUIP. REPAIR	
CASING STAND-BY OR SURVEY			SURVEY
SET-UP, TEAR DOWN		WATER DELAY_	
MIXING MUD		WASHING OR	CLEANING
	BITS A	ND SHELLS	
BIT NOSIZE & TY	PE	OVERSIZE	ON OFF
SHELL NOTYP	E	ON	OFF
BIT CONDITION		REASON FOR RE	
REMARKS (Explain delays and	hole cond	ition for what h	OLD O LA
2000 14 4	mint		
	/		
In 1 mp	1	OT	Λ
DRILLER	John	HELPER Sterl	enif

BULES BROS. DRILLING COMPUT				
JOB 6-704 LOC. Saf	ford DATE 11-29-74			
SHIFT DAYSWING	DATE <u>11-29-74</u> NITEHOLE NO. <u>ES 3/</u>			
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT/ & S DEPTH, START OF SHIFT/ & S DRILLED/ & S CORE RECOVERED/ 3 TYPE OF ROCK NUMBER OF RUNS2	MUD <u>3</u> Smud z- TYPE <u>/Driscal</u> CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER <u>3</u> load			
FEET CASEDFROM_	TO SIZE			
FEET REAMEDFROM	TO SIZE			
CEMENT DRILLED FROM_	то			
	CEMENTING			
REAMING	EQUIP. REPAIR			
CASING	STAND-BY OR SURVEY			
SET-UP, TEAR DOWN	WATER DELAY			
MIXING MUD	WASHING OR CLEANING			
BITS	AND SHELLS			
BIT NOSIZE & TYPE	OVERSIZEONOFF			
SHELL NOTYPE	ONOFF			
BIT CONDITION	REASON FOR RETIRING			
REMARKS (Explain delays and hole cond + puint 30 for Co	dition) Drill out Clustent			
DRILLER Of Dehn John	HELPER_Duis			
MACHINE NO	FOREMAN			

BOYLES BROS. DRILLING COMPANY SHIFT REPORT JOB 6-20 9 JOB 6-20 9 JOC 9 JOB 6-20 9 JOB 000000000000000000000000000000000000	¥ 3/		
JOB_6-704 LOC.Safford DATE/1-29-7 SHIFT DAYSWING_CNITEHOLE NO.E3- RODS, END OF SHIFT MUD STICKUP, END OF SHIFT MUD DEPTH, END OF SHIFT TYPE CAL-SEAL CAL-SEAL	¥ 3/		
SHIFT DAYSWINGNITEHOLE NO.E RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT CAL-SEAL	<u>7</u> 3/		
RODS, END OF SHIFT MUD STICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT Cal-SEAL	2/		
STICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT 2/36 CAL-SEAL			
STICKUP, END OF SHIFT TYPE DEPTH, END OF SHIFT CAL-SEAL			
DEPTH, END OF SHIFT $2/36$ CAL-SEAL			
DEDTH CTART OF CHIET J 1/8 HUMANITE			
DEPTH, START OF SHIFT 21/8 LUMNITE			
CORE RECOVERED 20 ADDITIVES			
TYPE OF ROCK WATER NUMBER OF RUNS Z			
FEET CASEDFROMTOSIZE			
FEET REAMEDFROM TO SIZE			
CEMENT DRILLED FROM TO			
TIME CHARGES			
DRILLING			
REAMING EQUIP. REPAIR	Ξ.		
CASING & STAND-BY OR SURVEY			
SET-UP, TEAR DOWN WATER DELAY			
MIXING MUD WASHING OR CLEANING			
BITS AND SHELLS			
BIT NOSIZE & TYPEOVERSIZEONOFF			
SHELL NOTYPEONOFF			
BIT CONDITIONREASON FOR RETIRING			
REMARKS (Explain delays and hole condition)			
-			
DRILLER Tom Borgstadt HELPER Sterling			

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10B 6 - 704	100 Jaff	onal DATE_	12-2 11
SHIFT DAY SWIN	1G	_NITEHO	LE NO. 232
ODS, END OF SHIFT		MUD 4 me	dz.
		TYPE / Dr	iscol
TICKUP, END OF SHIFT	160	CAL-SEAL	-
DEPTH, START OF SHIFT 2	138	LUMNITE / C	austic
DRILLED	24	PORTLAND	
		WATER	
TYPE OF ROCK	and the second	WATER	8
	EPOM	TO	SIZE
			105 - 10 12 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CEMENT DRILLED	FROM	10	
-	TIME	CHARGES	
		CEMENTING	
REAMING		EQUIP. REPAIR	
	and the second s	STAND-BY OR S	URVEY
SET-UP, TEAR DOWN		WATER DELAY	
MIXING MUD	<u> </u>	WASHING OR CL	EANING
And An and a second	BITS A	ND SHELLS	
BIT NOSIZE &			OFF
אס3ובר מ			
SHELL NO		ON	OFF
		REASON FOR RET	
	P		and the second s
REMARKS (Explain delays	and hole condi	fion)	
All and a second s			

	ord DATE		
1G		DLE NO. 500	
	MUD		
200	CAL-SEAL		
2160			
4			
FROM			
FROM	то	SIZE	
FROM	то		
	HARGES		
8	CEMENTING		
REAMING EQUIP. REPAIR			
9	STAND-BY OR	SURVEY	
	WATER DELAY		
	WASHING OR C		
BITS AN	ND SHELLS		
ТҮРЕ	OVERSIZE	ONOFF	
ГҮРЕ	ON	OFF	
	REASON FOR RET		
and hole conditi	ion)		
	NG	NITE HO MUD TYPE TYPE CAL-SEAL 160 LUMNITE 40 PORTLAND 40 ADDITIVES 40 ADDITIVES 40 FROM FROM TO FROM TO FROM TO FROM TO STAND-BY OR WATER DELAY	

BCLES B			OMPA	1
1 mil	S. I	D.D	17	-3-74
JOB 6- Pol LOC	. say	and	DATE /	- 3-17 C (al
SHIFT DAYSWING_	00		HOLE I	NO. 62 31
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT2 DEPTH, START OF SHIFT2 DRILLED CORE RECOVERED	30 30 30	CAL-SEAL LUMNITE PORTLANE)	2
TYPE OF ROCK	3	WATER	1-100	q
FEET CASED	_ FROM	TO_		SIZE
FEET REAMED	_ FROM	то_		SIZE
CEMENT DRILLED	_ FROM	то_	- 201	_
		CHARGES		
DRILLING		CEMENTIN	1G	
REAMING		EQUIP. RE	PAIR	
CASING				EY
SET-UP, TEAR DOWN				
MIXING MUD				IING
			*	
		ND SHELLS		
BIT NOSIZE & TYP	'E	OVERSIZE	ON	OFF
SHELL NOTYPE	I		ON	OFF
BIT CONDITION		REASON FO	OR RETIRING	G
REMARKS (Explain delays and	hole cond	ition)		
	note cond			
DRILLER OR Wehr		_ HELPER_	dul	·
MACHINE NO		- FOREMAN		
7				

	DRILLING COMPANY
•	FFORD DATE 12-3-74
SHIFT DAYSWING	
RODS, END OF SHIFT	MUD_/ Caustic soda TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER_/ load
FEET CASED FROM	
FEET REAMED FROM	
CEMENT DRILLED FROM	М ТО
	ME CHARGES
DRILLING	
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	
MIXING MUD	_/O WASHING OR CLEANING
BIT	S AND SHELLS
BIT NOSIZE & TYPE	OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole co	ondition)
¥	-
DRILLER John Borgstodt	HELPER Jam
MACHINE NO	FOREMAN

	SHIFT	RILLING CONT		
JOB 6 . 704	oc. Saffer	DATE	12-4-20	
	G	NITEHC	DLE NO. 25 3/	
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	295 269 26 26	MUD_3 mu TYPE_/ Pro- CAL-SEAL_/ D LUMNITE PORTLAND ADDITIVES WATER_/ LA	d Z	
FEET CASED				
FEET REAMED				
CEMENT DRILLED	FROM	то		
	TIME C	HARGES		
DRILLING		CEMENTING		
REAMING		EQUIP. REPAIR		
CASING		STAND-BY OR S	SURVEY	
SET-UP, TEAR DOWN		WATER DELAY		
MIXING MUD		WASHING OR C	LEANING	
	BITS AN	ND SHELLS		
BIT NOSIZE &	ТҮРЕ	OVERSIZE	ONOFF	
SHELL NOT	YPE	ON	OFF	
BIT CONDITION		REASON FOR RET		
REMARKS (Explain delays a	ind hole condit	ion) <u>lepack</u>	Servel	
al Hehr		Dane		
MACHINE NO.		FOREMAN	*	
7				

BOTLES		T REPORT	COMPA	
JOB 6-704 LC	C. SAFT	ECRO	DATE	2-4.74
SHIFT DAYSWING	V		HOLE	NO. <u>ES. 3/</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK TMF NUMBER OF RUNS	25	TYPE CAL-SEA LUMNIT PORTLA ADDITIN WATER	AL E ND /ES	
FEET CASED	FROM_	T(D	SIZE
FEET REAMED	FROM _	T(D	SIZE
CEMENT DRILLED	FROM_	J	0	
1.6		CHARGES		
DRILLING	N			
REAMING	1	EQUIP.	REPAIR	
CASING	and the second	STAND-	BY OR SUR	VEY
SET-UP, TEAR DOWN		1 100		
MIXING MUD		10 WASHIN	G OR CLEA	NING
		AND SHELLS		
BIT NOSIZE & T	YPE	OVERSIZE	ON	OFF
SHELL NOTY	PE		ON	
BIT CONDITION		REASON	FOR RETIRI	NG
REMARKS (Explain delays an bit & sore bo drilling, new DRILLER John Borg	d hole con rel i bi	dition) trip trip 100 d 229 HELPER d FOREMAN	sin +	out, chang
7			6	

BODES BROS. DRILLING COMPADE SHIFT REPORT JOB 6-704 LOC. Safford DATE 11-19-74			
JOB 6-704	LOC. Set	ford DATE	11-19-74
SHIFT DAYSWIN	IG		HOLE NO. <u>ES-3/</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	1945 1835 110	TYPE CAL-SEAL LUMNITE	oad
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM	то	\$IZE
CEMENT DRILLED	FROM	то	
DRILLING REAMING CASING SET-UP, TEAR DOWN		EQUIP. REPAIR STAND-BY OR	SURVEY
MIXING MUD			
BIT NOSIZE &		ND SHELLS	
SHELL NOT	YPE	ON	OFF
BIT CONDITION		REASON FOR RE	
REMARKS (Explain delays a	nd hole condi	tion) helly	hose broke
DRILLER Tom Borg MACHINE NO.	stadt,	HELPER FOREMAN	& Sterling 8

BO ES BROS.	DRIL		MPA)
JOB 6-704 LOC. SAI	FOR	0 DA	TE 11-	20-74
SHIFT DAYSWING				
RODS, END OF SHIFT		TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES		
FEET CASED FROM		то		SIZE
FEET REAMED FROM		TO		SIZE
CEMENT DRILLED FROM	·	TO		
TIM DRILLING REAMING CASING SET-UP, TEAR DOWN MIXING MUD		CEMENTING EQUIP. REPAI STAND-BY O	R R SURVEN Y	/
BITS	AND	SHELLS		
BIT NOSIZE & TYPE	0V	ERSIZE	ON	OFF
SHELL NOTYPE		ON		_OFF
BIT CONDITION	R	EASON FOR		
REMARKS (Explain delays and hole go trip rodes out, got Cavera at 15	ndition) Noo	hune to 1574	Kelly AD	fose +
Acha Deset	2 in Act	l.	- 84	I AUL
MACHINE NO	HEL	PER Abun	o onas	Frankthe

BO ES B	SHIFT	ILLING CO	
SHIFT DAYSWING_			1
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	40 35 5	TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER	· · · · · · · · · · · · · · · · · · ·
FEET CASED			
FEET REAMED			
CEMENT DRILLED	TIME CH		
DRILLING / 2 REAMING	20.	CEMENTING EQUIP. REPAI STAND-BY O WATER DELAY	R R SURVEY ? R CLEANING
BIT NOSIZE & TYP	BITS AN	D SHELLS af 11:00 DVERSIZE	P.M. _ON <u>985</u> OFF
SHELL NOTYPE		ON	OFF
		REASON FOR F	RETIRING
REMARKS (Explain delays and With him in Wort 301		e in lor	R. G. ttorn of lole
DRILLER Tom Borgsta MACHINE NO.			Franky Sterling 8

BO		DRILLING COM	IPAI
		T REPORT	
JOB 6-704	LOC. Saf	lord DATE	11-21.74
SHIFT DAYSWI			
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	040	TYPE CAL-SEAL / 57 LUMNITE	nud Z. 1 Caustic Soda Load
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM	то	\$IZE
CEMENT DRILLED	FROM	то	
DRILLING	TIME	CHARGES	
REAMING		EQUIP. REPAIR	
CASING		STAND-BY OR	SURVEY
SET-UP, TEAR DOWN		WATER DELAY_	
MIXING MUD		WASHING OR (CLEANING
BIT NOSIZE &		AND SHELLS	ONOFF
SHELL NO	ТҮРЕ	ON	OFF
BIT CONDITION		REASON FOR RE	
REMARKS (Explain delays much to Leave		lition) Condit	- mul
DRILLER AL HERN		v	4

BCES		RILLING COMP	A
JOB 6-709		- 0	11-21-74
SHIFT DAYSWIN			
RODS, END OF SHIFT		MUD	
STICKUP, END OF SHIFT		TYPE	
DEPTH, END OF SHIFT DEPTH, START OF SHIFT	2	CAL-SEAL	
DEPTH, START OF SHIFT	20 80		
DRILLED PORTLAND			
CORE RECOVERED		ADDITIVES	
TYPE OF ROCK		WATER	
NUMBER OF RUNS			
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM	то	
	A	CHARGES	
DRILLING	6	CEMENTING	
REAMING		EQUIP. REPAIR	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
CASING		STAND-BY OR S	URVEY
SET-UP, TEAR DOWN	(WATER DELAY	
MIXING MUD		WASHING OR CLI	EANING
Chev	Bit BITS AN	ND SHELLS	
BIT NOSIZE &		0	NOFF
SHELL NOT	YPE	ON	OFF
BIT CONDITION		REASON FOR RETII	
REMARKS (Explain delays a	ind hole condit	ion Pull out	t rest of the
but he	se ran	re unalone	e sill
lock a lit	the we	no repair	lose
lit come i	nplug	eed !	
00	7 11	1 A	1.
DRILLER Tom Bougs	loalt	HELPER_Sler	ling
MACHINE NO		FOREMAN	

JOB 6-704 LOC.	SAFFOR	D	DATE //	-21-74
SHIFT DAYSWING				
RODS, END OF SHIFT		MUD		
STICKUP, END OF SHIFT				
DEPTH, END OF SHIFT 20				
DEPTH START OF SHIFT 205	10	LUMNIT	E	1
DRILLED	35	PORTLAI	VD/D	risoloc
CORE RECOVERED				
TYPE OF ROCK		WATER_		
NUMBER OF RUNS				
FEET CASED				
FEET REAMED				
CEMENT DRILLED	FROM	TC	D	_
	TIME C	HARGES		
DRILLING 12		CEMENT	ING	
		EQUIP.	REPAIR	
CASING	<u></u>	STAND-	BY OR SUR	VEY
SET-UP, TEAR DOWN		WATER DELAY		
MIXING MUD		WASHIN	G OR CLEA	NING
5	and the second	ID SHELLS		
BIT NOSIZE & TYPE		OVERSIZE	ON_	OFF
SHELL NOTYPE_		\$	ON	OFF
BIT CONDITION		REASON	FOR RETIRIN	IG
REMARKS (Explain delays and h	ole conditi	and ADG	CENTE	Constant
		0117	R	Jerry

BC		RILLING CC		
JOB 6-704	LOC. Say	land D	ATE_11-22-	72
SHIFT DAYS	WING	, NITE	HOLE NO.ES	31
RODS, END OF SHIFT_ STICKUP, END OF SHIFT DEPTH, END OF SHIFT_ DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	2105 2080 25	TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER_22_	loade	
FEET CASED	FROM	то	SIZE	
FEET REAMED	FROM	то	SIZE	
CEMENT DRILLED	FROM	то		
DRILLING		EQUIP. REPA STAND-BY WATER DELA	NR DR SURVEY Y DR CLEANING	
BIT NOSIZE		ND SHELLS	ONOFF	
SHELL NO	ТҮРЕ		NOFF	
BIT CONDITION		REASON FOR	RETIRING	
REMARKS (Explain dela Wash dow Kelley Hd	ys and hole condi UN 200 y S.C.	tion) run & fill	rod in repairs	······
DRILLER OL Kleh	V 8	HELPER Soul	is &	
MACHINE NO		FOREMAN		

BC ES B		RILLING (REPORT	COMPA	
JOB 6-704 LOC	Sall.	A	DATE 11	- 72.74
SHIFT DAY SWING_	<u> </u>	_NITE	HOLE N	10
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS		TYPE CAL-SEA LUMNITE PORTLAN ADDITIVI	I ID ES	
FEET CASED	_ FROM			SIZE
FEET REAMED	FROM	то		SIZE
CEMENT DRILLED	FROM	то)	
DRILLING		EQUIP. R STAND-B WATER D	EPAIR Y OR SURVE DELAY	Y_
BIT NOSIZE & TYP	A.	ID SHELLS	ON	OFF
SHELL NOTYPE			_ON	OFF
BIT CONDITION		REASON F	OR RETIRING	
REMARKS (Explain delays and Gelling Stuck Will rock Broke Chain	hole conditi PUPP Bit M M	Hole C	cont avery	Ripe Bad Isad
DRILLER John Barg	aladt	HELPER	rank B	eprano
MACHINE NO		FOREMAN	i.	

JOB_6-704			DDA		
SHIFT DAY	_\$WING	N	ITE	HOLE N	0.25-3
RODS, END OF SHIF	Т		MUD		
STICKUP, END OF SHI	IFT		ТҮРЕ		
DEPTH, END OF SHIFT	2125		CAL-SEAL		
DEPTH, START OF SH					
DRILLEDCORE RECOVEREDTYPE OF ROCK			PORTLAND		
			ADDITIVES		
NUMBER OF RUNS			WATER		
FEET CASED		DM			
FEET REAMED	FRO	DM	то		SIZE
CEMENT DRILLED	FR	OM	то		
		TIME CHA	RGES	·	AND THE REPORT OF CONTRACTOR
DRILLING					
			EQUIP. REPAI	R	
CASING			STAND-BY O	R SURVE	۲ <u> </u>
SET-UP, TEAR DOWN		- 0	WATER DELAY		
MIXING MUD		_ 8'	WASHING OF		NG
	B	ITS AND	SHELLS		
BIT NOS	IZE & TYPE	0	/ERSIZE	_ON	OFF
SHELL NO	TYPE		ON		_OFF
BIT CONDITION			REASON FOR F	ETIRING	
REMARKS (Explain de	elays and hole	condition)		
				** *	

BOOES		DRIL T RE	LING CO	MPA)
JOB 6-704				11	-22.74
					1
SHIFT DAYSWIN	1G	N	re	HOLE N	0. ES-31
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS			TYPE CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER		
FEET CASED	FROM		то		SIZE
FEET REAMED	FROM		то		SIZE
CEMENT DRILLED	FROM_		то		
	TIME	CHAI	RGES		
DRILLING		7	CEMENTING		
			EQUIP. REPA		
CASING		\bigcirc			18
SET-UP, TEAR DOWN		B		v	
MIXING MUD	<i>w</i>	V	WASHING O		
				CLEAN	
			SHELLS		
BIT NOSIZE &	TYPE	0V	ERSIZE	ON	OFF
SHELL NO	TYPE			J	OFF
BIT CONDITION	<i>k</i>		EASON FOR		
		N	AJON FOR		1 50
REMARKS (Explain delays)	and hole conc pare	dition)	, lay Tea	elow Re	n drill
DRILLER Jon Ben MACHINE NO.	pted	HEL		er lin	C.A.
7		in the	in the	14.1	

B BLES B			COMPA	Y
	SHIFT	REPORT		
JOB 6-704 LOC	Sa	Herd	DATE//	- 23-74
SHIFT DAYSWING_		_NITE	HOLE I	NO
	20			
RODS, END OF SHIFT		MUD		
STICKUP, END OF SHIFT		TYPE		
DEPTH, END OF SHIFT	D			
DEPTH, START OF SHIFT 21				
DRILLED				
		WATER		
NUMBER OF RUNS				olan asunan kasalah karatan kanaba
FEET CASED	FROM	тс	D	SIZE
FEET REAMED	1			
CEMENT DRILLED	FROM	ТС	D	_
to	TIME	CHARGES		
DRILLING		CEMENT	ING	/
REAMING		EQUIP.	REPAIR	
CASING	1.149			ey_6
SET-UP, TEAR DOWN		WATER	DELAY	
MIXING MUD	_	WASHIN	G OR CLEAN	ING
	BITS A	ND SHELLS		
BIT NOSIZE & TYP	'E	_OVERSIZE	ON	OFF
SHELL NOTYPE			ON	OFF
BIT CONDITION		REASON	FOR RETIRING	3
REMARKS (Explain delays and	hole condi	tion) lay Cliggen y clieng	l Case y Ri	Anew
	/			
9	8		o in	
DRILLER A Leth S	dhi	HELPER A	al Fe	rank 8
MACHINE NO		FOREMAN	5- 8 -	

B LES BRO	
1 701	
	Safford DATE 11-25-74
SHIFT DAYSWING	NITEHOLE NO. \$53/
RODS, END OF SHIFT	MUD
STICKUP, END OF SHIFT	10
DEPTH, END OF SHIFT	CAL-SEAL I mule dieno
DEPTH, START OF SHIFT 2/0	PORTLAND 20 portland
DRILLED	PORTLAND_20portor
CORE RECOVERED	
TYPE OF ROCK	WATER Juade U
NUMBER OF RUNS	
FEET CASEDF	FROM TO SIZE 3 - 5 7 2
FEET REAMEDF	ROM TO SIZE
CEMENT DRILLED F	FROM TO
	TIME CHARGES
DRILLING	CEMENTING 2 hrs
REAMING	EQUIP. REPAIR
CASING_15	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	WASHING OR CLEANING
	BITS AND SHELLS
	OVERSIZEONOFF
511 140 512E & TIFE	OVERSIZEONOTT
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and ho	le condition) Case hale dull
Had alot of	Trobble getting on Botton
$\wedge \wedge \parallel \wedge \neq$	T B
DRILLER CHACH IOM	HELPER Stering VMories
MACHINE NO	FOREMAN

JOB 6 - 704 10	oc. Saff	and DAT	11-12-74
SHIFT DAYSWING	·	_NITE ł	10LE NO
RODS, END OF SHIFT			
STICKUP, END OF SHIFT DEPTH, END OF SHIFT			
DEPTH, END OF SHIFT			
DRILLED			
TYPE OF ROCK			
NUMBER OF RUNS			
FEET CASED	FROM	то	SIZE
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM	ТО	
REAMING CASING SET-UP, TEAR DOWN MIXING MUD		WATER DELAY_	SURVEY_Z
BIT NOSIZE & TY		ND SHELLS _OVERSIZE	.ONOFF2
SHELL NOTY	PE	ON	OFF
BIT CONDITION		REASON FOR RE	
	d hole condi	ion)	re rieg
REMARŘS (Explain delays an JM			Jane 1

BOUS BROS. DRILLING COMPANISHIFT REPORT				
JOB 6-704 LOC. SAF	FROY DATE 11-	13-7F		
SHIFT DAYSWING	NITEHOLE N	10		
RODS, END OF SHIFT		d's SIZE		
FEET REAMED FROM				
CEMENT DRILLED FROM				
TIME CHARGES DRILLING CEMENTING REAMING EQUIP. REPAIR CASING STAND-BY OR SURVEY SET-UP, TEAR DOWN WATER DELAY MIXING MUD WASHING OR CLEANING				
BIT NOSIZE & TYPE	OVERSIZEON	OFF		
SHELL NOTYPE	ON	OFF		
BIT CONDITION	REASON FOR RETIRING			
REMARKS (Explain delays and hole cond Water to full f	lition) Mig up +	Harl		
DRILLER AL Hehr MACHINE NO7	- HELPER_ Jahn +	Tom		

JOB 6-704 LOC. SAFA	EORD DATE 11-14-74
SHIFT DAYSWING	NITEHOLE_NO
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	# 2 20 SK DEFECTSE - 1 SACK SAME - 1 SACK GALSEAL - 1 SACK CALSEAL - 1 SACK PORTLAND ADDITIVES WATER
	TO SIZE
CEMENT DRILLED FROM	
	CHARGES
REAMING	EQUIP. REPAIR
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	WASHING OR CLEANING
	ND SHELLS
BIT NOSIZE & TYPE	_OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole cond Mudy Lower in f	ition) have water & mix
DRILLER John al & Jom MACHINE NO.	- HELPER Louis Romero

BOUS BROS. DRILLING COMPAN				
JOB 6-704 LOC. SAM	FORD	DATE //	15-74	
SHIFT DAYSWING				
ROD\$, END OF SHIFT	CAL-S LUMN PORTL ADDIT WATE	EAL ITE AND TIVES R TO	SIZE	
CEMENT DRILLED FROM				
TIM	E CHARGES			
DRILLING	. CEME		10	
REAMING	EQUIP	. REPAIR		
CASING	STAN	D-BY OR SURV	EY_/0	
SET-UP, TEAR DOWN	WATE	R DELAY		
MIXING MUD	.// WASH	ING OR CLEAN	ING	
BITS	AND SHELLS			
BIT NOSIZE & TYPE	OVERSIZE_	ON	OFF	
SHELL NOTYPE		ON	OFF	
BIT CONDITION	REASON	I FOR RETIRING	<u> </u>	
REMARKS (Explain delays and hole co Land water of m	ndition) <u>lor</u> ix mu	ver in r	ids f	
DRILLER John Borgetost	HELPER	Louis		
MACHINE NO7	FOREMAN_	- 		

SHIF	TREPORT DATE 11-15-74
SHIFT DAT SWING	
RODS, END OF SHIFT	MUD
FEET CASEDFROM_	TO SIZE
FEET REAMED FROM	TO SIZE
CEMENT DRILLED FROM_	то
TIME	CHARGES
DRILLING	CEMENTING
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	Ø WASHING OR CLEANING
BITS	AND SHELLS
BIT NOSIZE & TYPE	OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole con 201475 full	dition)_clean out hole
DRILLER Tom Borgstadt MACHINE NO	HELPER_Sterling

JOB	LOC.29/fo		11 -18-74 LE NO. <u>ES. 3</u>
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS		MUD 10 SX TYPE CAL-SEAL 3 5 G LUMNITE PORTLAND ADDITIVES WATER 1 Loo	el Cané Fou
FEET CASED	FROM	TO	SIZE
FEET REAMED	FROM	то	SIZE
CEMENT DRILLED	FROM	то	
CASING SET-UP, TEAR DOWN MIXING MUD		EQUIP. REPAIR STAND-BY OR SL WATER DELAY WASHING OR CLE	JRVEY
New BIT NOSIZE	1ag	ID SHELLS 5 7 OVERSIZE O	NOFF
SHELL NO	_ TYPE	ON	OFF
BIT CONDITION		REASON FOR RETIR	
REMARKS (Explain delays		on) Washin 535 to 1560	ig down

JOB 6-704 LOC. SA	FFORD DATE 11-18-74
RODS, END OF SHIFT	CAL-SEAL LUMNITE PORTLAND ADDITIVES WATER
FEET CASED FROM	TO \$IZE
FEET REAMED FROM	TO SIZE
CEMENT DRILLED FROM	ТО
HOUPLI TIN	AE CHARGES CEMENTING
REAMING	EQUIP. REPAIR
CASING	STAND-BY OR SURVEY
SET-UP, TEAR DOWN	WATER DELAY
MIXING MUD	S WASHING OR CLEANING
BITS	AND SHELLS
BIT NOSIZE & TYPE	OVERSIZEONOFF
SHELL NOTYPE	ONOFF
BIT CONDITION	REASON FOR RETIRING
REMARKS (Explain delays and hole co	ndition) washing down to
DRILLER John Borgstoat MACHINE NO 7	HELPER Frank Byram 55#231-66-3010

JOB 6-704 LOC		T REP		ATE _//	1-18-74
SHIFT DAYSWING			L	HOLE N	NO. ES-31
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK			CAL-SEAL LUMNITE PORTLAND ADDITIVES		#2
NUMBER OF RUNS					
FEET CASED					
CEMENT DRILLED	FROM_		то		-
REAMING CASING SET-UP, TEAR DOWN		8	EQUIP. REPA STAND-BY WATER DELA	NR DR SURVE	EY
MIXING MUD			WASHING C	OR CLEAN	ING
BIT NOSIZE & TYPE		AND S		ON	OFF
SHELL NOTYPE				۷۷	OFF
BIT CONDITION		RE	ASON FOR	RETIRING	>
REMARKS (Explain delays and h	nole conc	lition)_	fill	k da	ren_
DRILLER Tom Borgst	todk	,	St	L /0	

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BO ES	SHIFT	RILLING CON REPORT	11-19-74
SHIFT DAYSWIN			
RODS, END OF SHIFT STICKUP, END OF SHIFT DEPTH, END OF SHIFT DEPTH, START OF SHIFT DRILLED CORE RECOVERED TYPE OF ROCK NUMBER OF RUNS	1835 1800 35	CAL-SEAL LUMNITE PORTLAND ADDITIVES	SACK
FEET CASED			
FEET REAMED			
		CHARGES	
		4.4	70
REAMING		EQUIP. REPAIR	
CASING		STAND-BY OR	SURVEY
SET-UP, TEAR DOWN	A STATES	WATER DELAY	
MIXING MUD	/	2 WASHING OR	CLEANING
BIT NOSIZE &	BITS A TYPE <u>578 R.B.</u>	ND SHELLS TIME 330 P.M. _OVERSIZE	11-19.79 _ONOFF
SHELL NO	TYPE	ON _	OFF
BIT CONDITION		REASON FOR R	ETIRING
REMARKS (Explain delays bottom, tri Nods in 4 St	and hole condi b note a tail dr		I hale to collors trip
DRILLER John Borgs MACHINE NO.	test 124	Helper Louic Foreman	Shes FRANCThe

DIAMOND CORE DRILLING ROTARY BRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT



General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671

SALT LAKE CITY, UTAH 84110

Cable: BOYLESCO

Telex: 388-321

Essex International. Inc.

1704 W. Grant Avenue

Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESSCOP

MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: November 30, 1974 Order Number:

INVOICE NUMBER: SW-251

CONTRACT: 6-704

TERMS: Net 30 Days

LOCATION: North of Safford, Arizona

Rate Total То Footage Hole No. From 2000 9.25 1.850.00 ES-31 RB 1800 200 RB 2000 2105 105 11.25 1,181.25 Rig up, wash down to 1,800 ft., & mix mud 77 Hrs. 35.00 2.695.00 630.00 Lay down & haul casing 18 Hrs. 35.00 35.00 700.00 20 Hrs. Setup coring & run in core pipe & haul water 2 Hrs. 35.00 70.00 Standby Caustic Soda (Baroid) 67.47 3 Sks. 22.49 Materials Used: Mud No. 2 97 Sks. 3.90 378.30 298.20 3 Sks. 99.40 Driscose 46.20 Mud Fiber (Magcobar) 3 Sks. 15.40 21.70 48.40 2 Sks. Disperse

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

DIAMOND CORE DRILLING FOTARY BRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT



General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671

SALT LAKE CITY, UTAH 84110

Cable: BOYLESCO

Telex: 388-321

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKŠ, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE

IRONWOOD, MICHIGAN

SANTIAGO, CHILE cable: BOYLESBROS

LIMA, PERU cable: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

PAGE -3-

INVOICE DATE: November 30, 1974 ORDER NUMBER:

INVOICE NUMBER: SW-251 CONTRACT: 6-704

TERMS: Net 30 Days

Mr. Paul Eimon Essex International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

Hole No.	From	То	Footage	Rate	Total
ES-31 NX	2105	2158	53	13.90	736.70
Mobilization to Sa	fford			500.00	500.00
		in the state	TOTAL BILLING		18,802.34
				a state of	
			for a liter	an anna is	
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Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

DIAMOND CORE DRILLING PDT PRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT PACE -2- INVOICE DATE: NOVER ORDER NUMBER: INVOICE NUMBER: SW-25 CONTRACT: 6-704 TERMS: Not 3 LOCATION: NOT 10	s iber 30, 1974	1704 W. Grau Tucson, Aris	NEERS ant none (801) 487-3671 4 84110 non national, Inc. nt Avenue	SF MUR JF	BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA OKANE, WASHINGTON FREESBORO, TENNESSEE IONWOOD, MICHIGAN SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP EXICO CITY, MEXICO telex: 001774546
Hole No.	From	То	Footage	Rate	Total
Materials Used:	Formaldehyde		20 Gal.	35.00	700.00
Mir	Miracle Lime (Baroi	.d)	1 Sk.	3.81	3.81
	Portland Cement		20 Sks.	2.65	53.00
Mixing, handling,	& Transportation		15 %	1,595.38	239.31
	Water		22 Loads	•75	16.50
	Rock Bit - 5 7/8		1	142.00	142.00
	32 Casing Black		2105 Ft.	3.80	7,999.00
0	31 Casing Shoe Floa	it	1	55.00	55.00
	4" Plug		1	13.00	13.00
Water Truck Rents	1 - 390.00 Per Mo.		18 Days	13.00	234.00
Water Truck Miles	ge		484 Mi.	.30	145.20

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

ORDER NUMBER: INVOICE NUMBER: CONTRACT: 6	1624 Pion - 24 74 704 days of SAFFord	CONTRACTORS-ENGIN General Offices and Plan Deer Road P. O. Box 58 Photos SALT LAKE CITY, UTAH 52 Cable: BOYLESCO Telex: 388-321 Essey Inter Tot W. S Tuccsen	nt one (801) 487-3671 84110 rational Ine Irant Que.		BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPOKANE, WASHINGTON DRAKS, NEVADA SPOKANE, WASHINGTON DRAKESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE CABB, BOYLESCOP MEXICO CITY, MEXICO Telex: 001774546
Hole No.	From	То	Footage	Rate	Total
ES=31	2158	2500	362	13.90	4753.80
	2500	2623	123	15.40	1894.20
	935X	mud 2		3.98	362.70
	6 sx	Driscol		99.40	596,40
	3 sx	Caustic Soc	la	18.15	54.45
	7 SX	Soda ask	2	14.50	101.50
	11 SX.	Suit Seal	and a second	15.40	169,48
0	12 5X	Dicks mud	Scal	10,55	126.60
	3 51	Barite			
	1 SX	mud fibe	Ð		
	/ sX	asbestos			

DIAMOND CORE DRILLING **BRANCH OFFICES** ROTARY DRILLING PHOENIX, ARIZONA GROUTING GOLDEN, COLORADO FOUNDATION TESTING SPARKS, NEVADA DIAMOND DRILLING EQUIPMENT SPOKANE, WASHINGTON DRILLING ADDITIVES CONTRACTORS-ENGINEERS MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN General Offices and Plant SANTIAGO, CHILE 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 cable: BOYLESBROS LIMA, PERU SALT LAKE CITY, UTAH 84110 cable: BOYLESCOP Cable: BOYLESCO MEXICO CITY, MEXICO 12telex: 001774546 INVOICE DATE: Telex: 388-321 Essex International Inc ORDER NUMBER: 1704 W. I rant ave INVOICE NUMBER: 6-70 CONTRACT: Tueson ang 85705 30 days TERMS: no of Saf LOCATION: Footage Rate Total Hole No. From SX 20 85=31 SX ino Wall nut med. 11.12 11.12. 1 SX 27 SX portland Cement 2,65 71.55 drilling time + standby 35,00 95 his Cema 3725,00 13.00 da the Rental 390.mo. day Water I miles water Tik mileage 223,20 30 Amilo 23.25 .75 31 loads Water at

DIAMOND CORE DRILLING **BRANCH OFFICES** Boyles Bros. ROTARY DRILLING PHOENIX, ARIZONA GROUTING GOLDEN, COLORADO FOUNDATION TESTING SPARKS, NEVADA DIAMOND DRILLING EQUIPMENT SPOKANE, WASHINGTON DRILLING ADDITIVES CONTRACTORS-ENGINEERS MURFREESBORO, TENNESSEE **General Offices and Plant** IRONWOOD, MICHIGAN SANTIAGO, CHILE 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 cable: BOYLESBROS SALT LAKE CITY, UTAH 84110 LIMA, PERU cable: BOYLESCOP INVOICE DATE: 11-30-74 Cable: BOYLESCO MEXICO CITY, MEXICO telex: 001774546 Telex: 388-321 Esser International Inc **ORDER NUMBER:** INVOICE NUMBER: 1704 W. Grant Que 6-704 CONTRACT: 30 day TERMS: Tuson ariz 85705 no of Saffer LOCATION: To Hole No. Footage Rate Total From 85 31 gals Tormalehyde. 20 142. 5 & Rock Bit 142,00 32 Casing Black. 2105 ft 55.00 Casing Shale. murale Line 13,00 tin plug 1300 20 5x lement portland 500,00 mobilization to Safford. 2105 ft 2158 ft. 13,90 1000 736,70 53 Water tik wit rental Water tik mileage 484 mi. 234.00 390, mo. 30 mile 145,20

DIAMOND CORE DRILLING ROTARY DRILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT DRILLING ADDITIVES INVOICE DATE: //- ORDER NUMBER: INVOICE NUMBER: INVOICE NUMBER: CONTRACT: 6- TERMS: 30 LOCATION: 776.	-30-74 704 daus	CONTRACTORS-ENGINE General Offices and Plan neer Road P. O. Box 58 Pho SALT LAKE CITY, UTAHE Cable: BOYLESCO Telex: 388-321 Easter Into To y W, S Tuson arg	EERS it ne (801) 487-3671 34110 ternational D hant Que	MU	BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON REFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE cable: BOYLESSO LIMA, PERU cable: BOYLESCO MEXICO CITY, MEXICO Tellex: 001774546
Hole No.	From	То	Footage	Rate	Total
1800	1800	2000	200	9.25	1850.00
ES 3/	2000	2105	105	11.25	1181.25
77 his	rig up + W	ash down to 10	800 ft. + mix my	1 35,00	2695,00
18 his	Ray down +	Haul Casing		35,00	630.00
20	Setup Con	ing & run in	core pipet they	35.	700.00
2	Pranie Star	dby		35	70.00
35	Caustic Sodo				8
97	SX. mud 2	. 22	loadwater	.75	16.50
3	SX Ancial	Driscol			
3	sx mud fi	hear			
2	SX Despare	end			
9					

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E. Grover Heinrichs How this Jaw.

FROM THE DESK OF:

ESSEX INTERNATIONAL

Date _____

LOCATION ES-3/

DESCRIPTION

2614-2619

ASSAYS

CU

№ 00352

Date _____

ESSEX INTERNATIONAL

ASSAYS

№ 00352

ESSEX INTERNATIONAL Date _____ LOCATION ĈS_∃∫

2385-2390

ASSAYS

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Date _____

ASSAYS

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ESSEX INTERNATIONAL

Date_____

LOCATION E S = 3 / B

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ASSAYS

CU

№ 00351

ESSEX INTERNATIONAL

Date _____

ASSAYS

№ 00351

(Placer Chan) Water Week #1. 32 (219-234) Beginning NW Cor of the E/2, SE/4, Sul 9 Sec 4 T.6 R 26 c (22/27/73) NW Cor then south 1220' to -the SW COR then East 660' to the SE COR The N 1320' to the NE for them W 660 to the beginning moon # 10 Produces muneral Por Poge 11/19/74 228 - 375 11/19/74 100' fear the East Center and a 1400 from the west and of clamines to NW Direction. 3928.4 in a N 58° 35'E Direction flor the 51/4 Corner Sec 2 + 6-5 R-26E - more fast direction is N75°45W 1500', 5 14°55 600', 575°45'E 1500' 2 N 14° 55'E to part of beginning -



CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

INVOICE DATE: December 24, 1974 ORDER NUMBER:

INVOICE NUMBER: SW-279

CONTRACT: 6-704

TERMS: Net 30 Days

LOCATION: N. of Safford, Arizona

Mr. Paul Eimon Essex International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE MT. IRON, MICHIGAN

SANTIAGO, CHILE cable: BOYLESBROS

LIMA, PERU cable: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

Hole No.	From	То	Footage	Rate	Total
ES-31	2158	2500	362	13.90	5,031.80
	2500	2623	123	15.40	1,894.20
aterials Used:	Mud No. 2		93 Sks.	3.90	362.70
	Driscose		6 Sks.	99.40	596.40
	Caustic Soda		3 Sks.	18.15	54•45
	Soda Ash		7 Sks.	14.50	101.50
	Kwik Seal	1	11 Sks.	15.40	169.40
	Dicks Mud Seal	-f	12 Sks.	10.55	126.60
O	Barite (Baroid)		3 Sks.	5.20	15.60
	Mud Fiber (Magcol	ar) ,	1 Sk.	15.40	15.40
	Asbestos (Baroid)	n se	1 Sk.	17.58	17.58

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

INVOICE DATE :

PAGE -2-



CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO December 24, 1974 Telex: 388-321

ORDER NUMBER: INVOICE NUMBER: SW-279 CONTRACT: 6-704 TERMS: Net 30 Days LOCATION: N. of Safford, Arizona Mr. Paul Eimon Essex International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE MT. IRON, MICHIGAN SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP

MEXICO CITY, MEXICO telex: 001774546

Hole No.	From	То	Footage	•	Rate	Total
Naterials Used:	Zeogel (Baroid)		1	Sk.	8.68	8.68
	Lime (Baroid)		1	Sk.	3.81	3.81
	Wall-nut - Medium	(Baroid)	1	Sk.	11.12	11.12
1	Portland Cement		27	Sks.	2.65	71.55
Mixing, handling,	& transportation		15	%	1,554.79	233.22
Cement, drilling,	& standby time		95	Hrs.	35.00	3,325.00
Water Truck Rental	- 390.00 Per No.		24	Days	13.00	312.00
Veter Truck Miles	e		744	Mi.	*30	223.20
Lads of Water			31	Loads	•75	23.25
		4447497497497497497497497497497497497497	TOTAL BIL	LING		12,597.46

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.



CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

INVOICE DATE: December 24, 1974 ORDER NUMBER:

INVOICE NUMBER: SW-279

CONTRACT: 6-704

TERMS: Net 30 Days

LOCATION: N. of Safford, Arizona

Mr. Paul Eimon Essex International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE MT. IRON, MICHIGAN SANTIAGO, CHILE coble: BOYLESBOS LIMA, PERU coble: BOYLESCOP MEXICO CITY, MEXICO teles: 001774546

ES-31	2158					
	2190	2500	362		13.90	5,031.80
	2500	2623	123		15.40	1,894.20
Materials Used:	Mud No. 2		93	Sks.	3.90	362.70
	Driscose		6	Sks.	99.40	596.40
	Caustic Soda		3	Sks.	18.15	54•45
	Soda Ash		7	Sks.	14.50	101.50
	Kwik Seal	1	11	Sks.	15.40	169.40
	Dicks Mud Seal		12	Sks.	10.55	126.60
U	Barite (Baroid)		3	Sks.	5.20	15.60
	Mud Fiber (Magcol	bar)	1	Sk.	15.40	15.40
	Asbestos (Baroid)		1	Sk.	17.58	17.58

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.



CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

> Mr. Paul Eimon Essex International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFRESBORO, TENNESSEE

MT. IRON, MICHIGAN

SANTIAGO, CHILE cable: BOYLESBROS

LIMA. PERU cable: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

PAGE	-2-
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INVOICE DATE: December 24, 1974 ORDER NUMBER: INVOICE NUMBER: SW-279 CONTRACT: 6-704 TERMS: Net 30 Days LOCATION: N. of Safford, Arizona

Hole No.	From	То	Footage	e	Rate	Total
Materials Used:	Zeogel (Baroid)		1	Sk.	8.68	8.68
	Lime (Baroid)		1	Sk.	3.81	3.81
	Wall-nut - Medium	(Baroid)	1	Sk.	11.12	11.12
	Portland Cement		27	Sks.	2.65	71.55
Mixing, handling,	k transportation		15	%	1,554.79	233.22
Cement, drilling,	& standby time		95	Hrs.	35.00	3,325.00
Water Truck Rental	- 390.00 Per Mo.	1	24	Days	13.00	312.00
Water Truck Mileag	9		744	Mi.	• 30	223.20
Lads of Water			31	Loads	-75	23.25
4 - 1998 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 19 -			TOTAL BILL	LING		12,597.46
analan sanan ana ana ana ana ana ana ana ana	ang ng n			anan ana ana ana ana ana ana ana ana an		

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

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ORDER NUMBER: INVOICE NUMBER: SW CONTRACT: 6	1624 Pio	CONTRACTORS-ENGINE General Offices and Plan neer Road P. O. Box 58 Phot SALT LAKE CITY, UTAH 8	ne (801) 487-3671 14110 MR PAUL E intional Ine rant Que	IMON	BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON URFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE CABIE: BOYLESBROS LIMA, PERU CaBIE: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546
Hole No.	From	То	Footage	Rate	5031,80
ES=31	2158	2500	362	13.90	1703,00. Socieposio
	2500	2623	123	15:40	1894.20
	93.5X	mul 2		3.98	362.70
K	6 sx	Driscol		99.40	596.40
6 pt	3 5×	Caustic Soc	la	18.15	54.45
No.	Marsx.	Soda ask))	14.50	101.50
0-1/1	11 SX.	1 Kuik Seal		15.40	169,48
P	12 SX	Dicks mud	Seal	10.55	126,60
Y	3 5/	Barite		5.20	15.60
	/ sx	mud file	$\omega(m)$	15,40	15.40
		aspestos	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	17.58	17.58

DIAMOND CORE DRILLING BRANCH OFFICES Sovies) Sros-B WARY DRILLING PHOENIX, ARIZONA GROUTING GOLDEN, COLORADO FOUNDATION TESTING SPARKS, NEVADA DIAMOND DRILLING EQUIPMENT SPOKANE, WASHINGTON DRILLING ADDITIVES CONTRACTORS-ENGINEERS MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN General Offices and Plant PAGE -2-SANTIAGO, CHILE 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 cable: BOYLESBROS SALT LAKE CITY, UTAH 84110 LIMA, PERU cable: BOYLESCOP Cable: BOYLESCO MR. PAUL EIMON Telex: 388-321 MR. PAUL EIMON INVOICE DATE: 12-24-74 MEXICO CITY, MEXICO telex: 001774546 Essex International Inc ORDER NUMBER: INVOICE NUMBER: 5 W-279 1704 W. Drant Que. CONTRACT: 6 - 70 Tucon any 85 705-TERMS: 30 days LOCATION: M Safford ragoto 20th Hole No. From Footage Rate 8.68 25=31 3.81 SX 3.81 ime 1 SX. Wall net med. 11.12 11.12 27 SX portland Coment 2,65 11.55 95 his cement drelling time + standby 3325.00 35,00 day water the Rental 390. ms. 13.00 da 74 miles Wales Til Mileage 223.20 30 Amilo 31 loads Water at 23.25 75 ming, Handling, & Transportation 1554.79 233.22 12 597.46



CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO

Telex: 388-321

Mr. Paul Eimon

Essex International, Inc.

1704 W. Grant Avenue

Tucson, Arizona 85705

ORDER NUMBER:

INVOICE NUMBER: SW-251 CONTRACT: 6-704

TERMS: Net 30 Days

INVOICE DATE: November 30, 1974

LOCATION: North of Safford, Arizona

BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP MEXICO CITY, MEXICO

MEXICO CITY, MEXIC telex: 001774546

Hole No.		From	То	Footage	Rate	Total
ES-31	RB	- 1800	2000	200	9.25	1,850.00
	RB	2000	2105	105	11.25	1,181.25
Rig up, was	sh down	to 1,800 ft., & min	x mud	77 Hrs	3. 35.00	2,695.00
Lay down &	haul ca	asing .		18 Hrs	35.00	630.00
Setup corir	ng & ru	n in core pipe & ha	ul water	20 Hrs	35.00	700.00
Standby			The second second	2 Hrs	3. 35.00	70.00
Materials (Jsed:	Caustic Soda (Baro	id)	3 Sks	3. 22.49	67.47
		Mud. No. 2		97 Sks	s. 3.90	378.30
0		Driscose		3 Sks	s. 99.40	298.20
		Mud Fiber (Magcoba	r)	3 Sk:	s. 15.40	46.20
		Disperse	and the second sec	2 Ski	s. 21.70	48.40

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

DIAMOND CORE DRILLING RGTARY DBILLING GROUTING FOUNDATION TESTING DIAMOND DRILLING EQUIPMENT PAGE -2- INVOICE DATE: Novem ORDER NUMBER: INVOICE NUMBER: SW-25 CONTRACT: 6-704 TERMS: Net 3 LOCATION: North	ber 30, 1974 1	CONTRACTORS-ENG General Offices and Road P. O. Box 58 SALT LAKE CITY, UTA Cable: BOYLESC Telex: 388-321 Mr. Paul Ei Essex Inter 1704 W. Gra Tucson, Ari	Plant Phone (801) 487-36 H 84110 O mon mational, I	inc.	SP MURI IR	BRANCH OFFICES PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA OKANE, WASHINGTON FREESBORO, TENNESSEE ONWOOD, MICHIGAN SANTIAGO, CHILE cable: BOYLESBROS LIMA, PERU cable: BOYLESCOP EXICO CITY, MEXICO telex: 001774546
Hole No.	From	То	Foota	age	Rate	Total
Materials Used:	Formaldehyde		20	Gal.	35.00	700.00
	Miracle Lime (Baro	id)	1	Sk.	3.81	3.81
	Portland Cement		20	Sks.	2.65	53.00
Mixing, handling,	& Transportation	44 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	15	%	1,595.38	239.31
	Water		22	Loads	•75	16.50
	Rock Bit - 5 7/8		1		.142.00	142.00
the second of	$3\frac{1}{2}$ Casing Black		2105	Ft.	3.80	7,999.00
0	3 ¹ /2 Casing Shoe Flo	at	1		55.00	55.00
	4" Plug		1		13.00	13.00
Water Truck Renta	al - 390.00 Per Mo.		18	Days	13.00	234.00
Water Truck Miles	кge		484	Mi.	• 30	145.20

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.



General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671

SALT LAKE CITY, UTAH 84110

Cable: BOYLESCO

Telex: 388-321

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON

MURFREESBORO, TENNESSEE

IRONWOOD, MICHIGAN

SANTIAGO, CHILE cable: BOYLESBROS

LIMA, PERU cable: BOYLESCOP

MEXICO CITY, MEXICO telex: 001774546

PAGE -3-

ES-

Mob

INVOICE DATE: November 30, 1974 ORDER NUMBER: INVOICE NUMBER: SW-251

CONTRACT: 6-704 TERMS: Net 30 Days LOCATION: North of Safford, Arizona Mr. Paul Eimon Essex International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

Hole No.	From	То	Footage	Rate	Total
-31 NX	2105	2158	53	13.90	736.70
bilization to Sa	fford			500.00	500.00
			TOTAL BILLING		18,802.34
	· · · ·				
15. A.					
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		김 사람이 있는 것은 것이 없다.			

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.



CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

INVOICE DATE: January 7, 1975 ORDER NUMBER: SW-296 CONTRACT: 6-704 TERMS: Net 30 Days LOCATION: North of Safford, Arizona

Mr. Paul Eimon ESSEX International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFREESBORO, TENNESSEE

MT. IRON, MICHIGAN

SANTIAGO, CHILE cable: BOYLESBROS

LIMA, PERU cable: BOYLESCOP MEXICO CITY, MEXICO felex: 001774546

Hole No.	From	То	Footage	Rate	Total
ES-31	2623	2745	122	15.40	1,878.80
Materials Used:	Rod Lube (Magcoba	w)	5 Cans	20.10	100.50
	Spersene (Magcoba	ur)	2 Sks.	21.94	43.88
	Formaldehyde		1 Sk.	35.00	35.00
1	DET-585		1 Can	33.10	33.10
Freight & Handling			15 %	212.48	31.87
Water Truck Rental	- 390.00 Per Mo.		7 Days	13.00	91.00
Water Truck Mileag	•		24 Mi.	•30	7.20
	1		TOTAL BILLING	0.588, 29, 2013	2,221.35
FINAL INVOICE ES-3	1				

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

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DIAMOND CORE DRILLING BRANCH OFFICES ROTARY DRILLING vies loros. PHOENIX, ARIZONA GROUTING GOLDEN, COLORADO FOUNDATION TESTING SPARKS, NEVADA DIAMOND DRILLING EQUIPMENT SPOKANE, WASHINGTON CONTRACTORS-ENGINEERS MURFREESBORO, TENNESSEE General Offices and Plant IRONWOOD, MICHIGAN SANTIAGO, CHILE 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 cable: BOYLESBROS SALT LAKE CITY, UTAH 84110 LIMA, PERU cable: BOYLESCOP Cable: BOYLESCO 1-7-75 MEXICO CITY, MEXICO telex: 001774546 INVOICE DATE: Telex: 388-321 ORDER NUMBER: Esserve international Inc. 1704 W. Grant Que. INVOICE NUMBER: SW-296 CONTRACT: 6 4000 we Tudan ariz. 85705 TERMS: 300 LOCATION:

Hole No. From To Footage Rate Total 65-31 2623 2745 122. 15,40 1878.80 5 can's Rod Lule (M 20.10 100.50 2 SX. Sperson 21.94 43.88torneldhul 35,00-35.00 1 can. Det 5785 33.10 -33.10 13.00 da 90. mo. 91. 00 7 day Water re 7,20 24 minutulater Tib 30 Mulago 35,00 10 LOLAC 31.8 212.48 150 maleria INVOICE ES-31

in 3

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CONTRACTORS-ENGINEERS General Offices and Plant 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 SALT LAKE CITY, UTAH 84110 Cable: BOYLESCO Telex: 388-321

INVOICE DATE: January 7, 1975 ORDER NUMBER: INVOICE NUMBER: 51-296 CONTRACT: 6-704 TERMS: Not 30 Days LOCATION: North of Safford, Arizon

Mr. Paul Eimon ESSEX International, Inc. 1704 W. Grant Avenue Tucson, Arizona 85705

BRANCH OFFICES

PHOENIX, ARIZONA GOLDEN, COLORADO SPARKS, NEVADA SPOKANE, WASHINGTON MURFRESBORO, TENNESSEE

MT. IRON, MICHIGAN

SANTIAGO, CHILE cable: BOYLESBROS

LIMA, PERU coble: BOYLESCOP MEXICO CITY, MEXICO telex: 001774546

523 2 (Magcobar) 2 (Magcobar) 2 hyde	2745	122 5 Cans 2 Sks. 1 Sk.	15.40 20.10 21.94 35.00	1 _* 878*80 100*50 43*88 35*00
) (Hagcobar)		2 Sks. 1 Sk.	21.94	43.88
		1 %.		
shyde		an ann an san an an ann an an an an an an an an an	35.00	35.00
		1 Can	33-10	33.10
		15 %	212.48	31.87
) Per Mos		7 Days	13.00	91.00
		24 Mi.	•30	7.20
		TOTAL BILLING		2,221.35
			24 111.	24 1130

Late Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the terms of this invoice. It will be computed from the due date to the date we receive payment.

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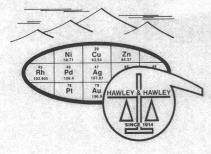
1435 S. 10th AVE. P. O. BOX 1889 DUPLICATE Certificate No. 594		Jacobs Regis	tered Ass	ayers			E 622-0813
Sample Submitted by M	- Esra	y <u>In te</u>					******
SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD Value per ton ore	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay
# 00351	Anace	\$		0.043			
352	0.002		·	0.035			
343	Anois			0,030			
(Inpluete - 1.	A.T. FL	se Assa	es made	on ab	rie Mald	assays)	
		STEREB ASSAL					
• Gold Figured \$35.00 per oz. Troy							
Charges \$			A	S. Oldder		Children and State	001 5000000 000 500 500 500 500 500 500

DIAMOND CORE DRILLING **BRANCH OFFICES** ROVARY DRILLING Dovles 15 PHOENIX, ARIZONA GROUTING GOLDEN, COLORADO FOUNDATION TESTING SPARKS, NEVADA DIAMOND DRILLING EQUIPMENT SPOKANE, WASHINGTON DRILLING ADDITIVES CONTRACTORS-ENGINEERS MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN General Offices and Plant SANTIAGO, CHILE 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 cable: BOYLESBROS SALT LAKE CITY, UTAH 84110 LIMA, PERU cable: BOYLESCOP Cable: BOYLESCO INVOICE DATE: 11-30-74 Telex: 388-321 MR. PAUL EIMON MEXICO CITY, MEXICO telex: 001774546 Escer International due **ORDER NUMBER:** ICE NUMBER: SW - 25/1 1704 W. Grant ave CONTRACT: 6-70 Tuson aris 85705 TERMS: 30 day LOCATION: no. of Safferd, Az To Footage Rate Total Hole No. From 1800 200 2000 RB 9.251 1850.001 2105 105 ES RB 2000 11.25-1181.251 3 35.00 2695, request wash down to 1800 ft This + mut ma 630,001 Kay down + Haw Casing 35,001 18 his 35.001 700.001 Set up Coving & run in 20 33.001 70.001 pours S 2 landby Caustic Soda (B) 22.49-67.47-35 SX mud 2 3.90 - 6378.30-298,201 SX Ancal Uniscol 49,40+ SX mud filed (M) 46,20-15.401 SX Desperson 21.70 + 48.40-.75 -WATER 16.50 1 22 LOADS

DIAMOND CORE DRILLING BRANCH OFFICES Boyles Bros. ROTARY DRILLING PHOENIX, ARIZONA GROUTING GOLDEN, COLORADO FOUNDATION TESTING DRILLING COMPANY SPARKS, NEVADA DIAMOND DRILLING EQUIPMENT SPOKANE, WASHINGTON DRILLING ADDITIVES CONTRACTORS-ENGINEERS MURFREESBORO, TENNESSEE IRONWOOD, MICHIGAN General Offices and Plant SANTIAGO, CHILE 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671 cable: BOYLESBROS SALT LAKE CITY, UTAH 84110 LIMA, PERU cable: BOYLESCOP 11-30-74 Cable: BOYLESCO MEXICO CITY, MEXICO Telex: 388-321 MR, PAUL EIMON telex: 001774546 INVOICE DATE: Esser International Inc OPDER NUMBER: ICE NUMBER: SW - 251 1704 W. Grant Que 6-704 CONTRACT: 30 day TERMS: Tuson arig 85705 no of Saffor; Az LOCATION: To Footage Rate Total Hole No. From 85 31 gals Tormadehyde. 200,00 20 35.00 + 1 5 & Rock Bit 142,00 142,001 3.80 7,999.00-2105 ft 32 Casing Black 55.001 1 Casing Shoe 3'2 Float 3.81 3.81-1 murale Lime (B) 1300 113,00 1 1 tin plug 2.651 53.001 20 5x lement portand 500.00 - 500.001 mobilization to Safford 13,901 736,701 100 NX 2105 ft 2158 ft. 53 13,00 390,00 234.001 Water the wt rental - 390.00 PER Mo. Water the mileage 484 mi 18 DAYS 30 miles 145.20 1 , MIXING, HANDLING & TRANSPORTATION 1595.38 239.31 15% 18,802.34

1435 S. 10th AVE. P. O. BOX 1889 Certificate No. 3.94 Sample Submitted by 1	× ·		tered Ass	ayers		РНОМ С. 26 ^ч	E 622-0813
SAMPLE MARKED	GOLD Ozs. per ton ore	ore *	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay
0 1701 2 3 4 5 6 7 8 9 0 1710 11 12 (Inpluite - 1.4		S NOV 20 RECE		0 130 0 135 0 135 0 130 0 135 0 15 0 15 0 15 0 125 0 126 0 130 0 130 0 130 0 130 0 130 0 135 0 135 0 135 0 135 0 130 0 135 0 130 0 135 0 125 0 125 0 130 0 125 0 130 0 125 0 130 0 125 0 135 0 135 0 135 0 135 0 125 0 135 0 135 0 125 0 135 0 135	jold an	S-31 Atron POI 6 FI Dort STERE BENJ BENJ JAC	Asc Min P. DBS 7V
• Gold Figured \$100.00 pe Charges \$ 44.8 cc	r oz. Troy		Very re	spectfully,	ØĴ	acot	

		Regis	itered Ass				
Certificate No. 5.9.4 Sample Submitted by	6	ssex Im	тис s o <u>tesmed</u>	n. ARIZONA	85702 <u>k</u>	<u>926 10</u>	
SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD Value per ton ore *	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per cent Wet Assay	Per cen Wet Ass
a > 2 4 5		\$		003			· -
01713				102			
14			And an and a state of a local data	0.			
				Contraction of the owner owner of the owner owner of the owner owner of the owner own			
		BED ASS					·
		LICATE A	BUDGET	NO. 8557	-19		
		ENJAMIN P.	APPROV	D BY			+
		24	PAYMEN	OF 11 AD			
		CONST OF STREET	\$	4.00	ONLY		
		ALONA CO.	4	A CONTRACTOR OF CONTRACTOR		acobe	



SKYLINE LABS, INC. Hawley & Hawley, Assayers and Chemists Division P.O. Box 50106 • 1700 West Grant Road Tucson, Arizona 85703 (602) 622-4836

INVOICE

INVOICE NO .: 750026 JOB NO .: P.O. NO .:

SOLD TO:

Essex International, Inc. 1704 West Grant Road Tucson, Arizona 85705

> DATE: January 14, 1975 TERMS: NET 30 DAYS

Attention: Mr. E. G. Heinrichs

Analysis of 3 Rock Chip Samples

Single analysis

	Gold (fire assay) @ \$4.00\$ Copper @ \$2.00	
	Sub Total	18.00
3	Samples crushed, split and pulverized @ \$1.65 (sample wt 6 lbs: lst lb @ \$0.90, >1 lb add \$0.15/lb)- Total \$	

INWONCE COPY

STRAFHMORE ONION SKIN

HILTON Hole ES-31 2500 400' STRONG By - Biotite INCREASING CHA/CO Purite Zove

DRILL 1000' more

We invite you to THESE FINE HILTON INN FACILITIES

THE PENTHOUSE THE RIVER ROOM THE CLIFF LOUNGE

Date Started Prulling in Date Conny Startet Nor 79th Franci and phone 2105' Geording to bile actual 2118' millel