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*file*  
HOLE 061419 \*W300 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 235 FEET ON 7/29/76

LOCATION COLLAR ELEVATION = 5999.5 FEET  
N-S COORD. = 1037111.5  
E-W COORD. = 259752.6  
COORDINATES ARE EXACT  
DRIFTED HOLE YES  
DIRECTIONALLY DRILLED HOLE YES  
DIP = .1  
BEARING S67E

LOGGING PARAMETERS K-FACTOR = .00002958  
DEAD TIME = .00000440  
WATER FACTOR = 1.000  
PIPE FACTOR = 0.000  
WATER DEPTH = 234 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

HOLE 061419 \*W300 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA

ANOMALY 1 - 0.0 TO 30.0 ; INTERPRETED AS

0.0	.112==*	10.5	.176==***	21.0	.045=-
.5	.064=-	11.0	.167==***	21.5	.061=-*
1.0	.073=-*	11.5	.174==***	22.0	.054=-*
1.5	.064=-*	12.0	.072=-*	22.5	.046=-
2.0	.103==**	12.5	.125==**	23.0	.114==**
2.5	.079=-*	13.0	.061=-*	23.5	.115==**
3.0	.051=-*	13.5	.077=-*	24.0	.122==**
3.5	.077=-*	14.0	.039=-	24.5	.125==**
4.0	.080=-*	14.5	.023=-	25.0	.117=-**
4.5	.038=-	15.0	.024=-	25.5	.075=-*
5.0	.114==**	15.5	.038=-	26.0	.053=-*
5.5	.086=-*	16.0	.040=-	26.5	.055=-*
6.0	.071=-*	16.5	.049=-	27.0	.020=-
6.5	.080=-*	17.0	.066=-*	27.5	.024=-
7.0	.070=-*	17.5	.035=-	28.0	.021=-
7.5	.084=-*	18.0	.034=-	28.5	.017=-
8.0	.113==**	18.5	.031=-	29.0	.011=-
8.5	.125==**	19.0	.040=-	29.5	.015=-
9.0	.164==***	19.5	.068=-*	30.0	0.000=-
9.5	.181==***	20.0	.056=-*		
10.0	.209==***	20.5	.066=-*		

ANOMALY 2 - 66.5 TO 82.0 ; INTERPRETED AS

66.5	.014=-	72.0	.020=-	77.5	.068=-*
67.0	.021=-	72.5	.007=-	78.0	.074=-*
67.5	.017=-	73.0	.015=-	78.5	.048=-
68.0	.029=-	73.5	.004=-	79.0	.046=-
68.5	.025=-	74.0	.026=-	79.5	.044=-
69.0	.025=-	74.5	.022=-	80.0	.048=-
69.5	.050=-*	75.0	.043=-	80.5	.044=-
70.0	.040=-	75.5	.034=-	81.0	.031=-
70.5	.042=-	76.0	.037=-	81.5	.022=-
71.0	.041=-	76.5	.033=-	82.0	.035=-
71.5	.018=-	77.0	.032=-		

ANOMALY 3 - 111.5 TO 123.0 ; INTERPRETED AS

111.5	.010=-	115.5	.122==**	119.5	.166==***
112.0	.014=-	116.0	.145==**	120.0	.133==**
112.5	.056=-*	116.5	.079=-*	120.5	.088=-*
113.0	.187==***	117.0	.123==**	121.0	.079=-*
113.5	.188==***	117.5	.168==***	121.5	.033=-
114.0	.139=-**	118.0	.154==***	122.0	.017=-
114.5	.127=-**	118.5	.110=-**	122.5	.019=-
115.0	.123=-**	119.0	.088=-*	123.0	.014=-

165.5 .01  
166.0 .01  
166.5 .023  
167.0 .041  
167.5 .018  
168.0 .031  
168.5 .026

169.0 .043  
169.5 .044  
170.0 .022  
170.5 .033  
171.0 .044  
171.5 .072\*  
172.0 .065\*

172.5 .055\*  
173.0 .035  
173.5 .025  
174.0 .025  
174.5 .018  
175.0 .031

HOLE 061419 \*W300 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

\*\* INTERCEPT SUMMARY \*\*  
\*\*\*\*\*

GRADE CUTOFF .03; G\*T CUTOFF .03; MIN. WASTE INTERVAL 1.5

LITH. UNIT	THICKNESS	GRADE	DEPTH	G*T
	27.0	.083	0.0	2.240
	2.0	.043	69.5	.087
	7.5	.043	75.0	.320
	9.5	.121	112.5	1.154
	8.5	.037	167.0	.314

LITHOLOGIC UNIT AS A WHOLE HAS A THICKNESS OF 54.5 FEET,  
A GRADE OF .075 ( U308, AND A G\*T OF 4.114 (=FT.

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\*

GRADE CUTOFF .05; G\*T CUTOFF .25; MIN. WASTE INTERVAL 1.5

LITH. UNIT	THICKNESS	GRADE	DEPTH	G*T
	14.0	.103	0.0	1.445
	7.5	.078	19.5	.586
	9.0	.126	112.5	1.138

LITHOLOGIC UNIT AS A WHOLE HAS A THICKNESS OF 30.5 FEET,  
A GRADE OF .104 ( U308, AND A G\*T OF 3.168 (=FT.

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\*

GRADE CUTOFF .10; G\*T CUTOFF .50; MIN. WASTE INTERVAL 1.5

LITH. UNIT	THICKNESS	GRADE	DEPTH	G*T
	5.0	.151	8.0	.753
	7.5	.137	113.0	1.026

LITHOLOGIC UNIT AS A WHOLE HAS A THICKNESS OF 12.5 FEET,  
A GRADE OF .142 ( U308, AND A G\*T OF 1.779 (=FT.

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\*

GRADE CUTOFF .15; G\*T CUTOFF .75; MIN. WASTE INTERVAL 1.5

THERE IS NO MINERALIZATION ABOVE THIS CUTOFF.

*file*

W510A  
10/31/80

HOLE 061324 \*W510A RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 249 FEET ON 7/20/78

LOCATION COLLAR ELEVATION = 5420.0 FEET  
N-S COORD. = 1036325.0  
E-W COORD. = 255300.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 45.0  
BEARING S60W

LOGGING PARAMETERS K-FACTOR = .00001428  
DEAD TIME = .00000225  
WATER FACTOR = 1.780  
PIPE FACTOR = 0.000  
WATER DEPTH = 100 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

W510A  
10/31/80

HOLE 061324 \*W510A RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
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ANOMALY 1 - 152.0 TO 154.0 ; INTERPRETED AS

152.0	.005-	153.0	.040-	154.0	.004-
152.5	.009-	153.5	.026-		

W500  
10/31/80

HOLE 071410 \*W500 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 340 FEET ON 5/16/78

LOCATION COLLAR ELEVATION = 4540.0 FEET  
N-S COORD. = 1080400.0  
E-W COORD. = 277830.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 45.0  
BEARING N46E

LOGGING PARAMETERS K-FACTOR = .00001636  
DEAD TIME = .00000140  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W500 IS BARREN \*\*



W501  
10/31/80

HOLE 071410 \*W501 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 297 FEET ON 5/19/78

LOCATION COLLAR ELEVATION = 4520.0 FEET  
N-S COORD. = 1080500.0  
E-W COORD. = 277830.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 80.0  
BEARING N30E

LOGGING PARAMETERS K-FACTOR = .00001636  
DEAD TIME = .00000140  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W501 IS BARREN \*\*

HOLE 071410 \*W502 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 298 FEET ON 5/25/78

LOCATION COLLAR ELEVATION = 4490.0 FEET  
N=S COORD. = 1080810.0  
E=W COORD. = 277000.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 80.0  
BEARING N45E

LOGGING PARAMETERS K-FACTOR = .00001428  
DEAD TIME = .00000225  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W502 IS BARREN \*\*

W503  
10/31/80

HOLE 071410 \*W503 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 298 FEET ON 5/31/78

LOCATION COLLAR ELEVATION = 4480.0 FEET  
N-S COORD. = 1080250.0  
E-W COORD. = 277400.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 80.0  
BEARING N45E

LOGGING PARAMETERS K-FACTOR = .00001428  
DEAD TIME = .00000225  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W503 IS BARREN \*\*

HOLE 071434 \*W504 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 319 FEET ON 6/12/78

LOCATION COLLAR ELEVATION = 4260.0 FEET  
N-S COORD. = 1056500.0  
E-W COORD. = 276180.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 90.0  
BEARING N 0E

LOGGING PARAMETERS K-FACTOR = .00001607  
DEAD TIME = .00000165  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W504 IS BARREN \*\*

HOLE 071330 \*W512 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 142 FEET ON 8/ 5/78

LOCATION COLLAR ELEVATION = 5540.0 FEET  
N-S COORD. = 1064150.0  
E-W COORD. = 227700.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP =45.0  
BEARING N60E

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W512 IS BARREN \*\*

W513  
10/31/80

HOLE 071330 \*W513 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 138 FEET ON 8/ 8/78

LOCATION COLLAR ELEVATION = 5540.0 FEET  
N-S COORD. = 1064140.0  
E-W COORD. = 227680.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP =45.0  
BEARING S62W

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.000  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

W513  
10/31/80

HOLE 071330 \*W513 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
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ANOMALY 1 = 91.0 TO 99.0 ; INTERPRETED AS  
THIS IS A LOGGING SCALE ANOMALY.

W514  
10/31/80

HOLE 071330 \*W514 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 98 FEET ON 8/ 8/78

LOCATION COLLAR ELEVATION = 5480.0 FEET  
N-S COORD. = 1064080.0  
E-W COORD. = 228680.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP =45.0  
BEARING S22E

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.000  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION -----	AGE ---	SUBDIVISION -----	LITHOLOGY -----	DEPTH TO TOP -----
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY -----	DEPTH TO TOP -----
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THERE ARE NO CHEMICAL UNITS RECORDED



WS14  
10/31/80

HOLE 071330 \*WS14 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
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ANOMALY 1 - 3.0 TO 15.0 ; INTERPRETED AS  
THIS IS A LOGGING SCALE ANOMALY.

W515  
10/31/80

HOLE 071330 \*W515 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 174 FEET ON 8/ 9/78

LOCATION COLLAR ELEVATION = 5570.0 FEET  
N-S COORD. = 1064270.0  
E-W COORD. = 227220.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP =45.0  
BEARING S60W

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

W515  
10/31/80

HOLE 071330 \*W515 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
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ANOMALY 1 - 146.0 TO 148.5 ; INTERPRETED AS

146.0	.005-	147.0	.012-	148.0	.008-
146.5	.008-	147.5	.052-*	148.5	.006-

HOLE 071330 \*W516A RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 175 FEET ON 8/16/78

LOCATION COLLAR ELEVATION = 5570.0 FEET  
N-S COORD. = 1064280.0  
E-W COORD. = 227240.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 45.0  
BEARING N60E

LOGGING PARAMETERS K=FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

\*\*\*\*  
\*\* HOLE W516A IS BARREN \*\*

W517A  
10/31/80

*Red Bluff -*

HOLE 071236 \*W517A RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 238 FEET ON 8/19/78

LOCATION COLLAR ELEVATION = 5730.0 FEET  
N-S COORD. = 1059600.0  
E-W COORD. = 224900.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 45.0  
BEARING N35W

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W517A IS BARREN \*\*

HOLE 071236 \*W518 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 228 FEET ON 8/25/78

LOCATION COLLAR ELEVATION = 5730.0 FEET  
N-S COORD. = 1059590.0  
E-W COORD. = 224910.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 45.0  
BEARING S20E

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

W518  
10/31/80

HOLE 071236 \*W518 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
-----

ANOMALY 1 - 97.0 TO 115.0 ; INTERPRETED AS  
THIS IS A LOGGING SCALE ANOMALY.

HOLE 071330 \*W519 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 148 FEET ON 8/29/78

LOCATION COLLAR ELEVATION = 5570.0 FEET  
N-S COORD. = 1062220.0  
E-W COORD. = 226600.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE NO

LOGGING PARAMETERS K-FACTOR = .00000800  
DEAD TIME = .00000425  
WATER FACTOR = 1.600  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED



W519  
10/31/80

HOLE 071330 \*W519 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
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ANOMALY 1 - 125.5 TO 129.0 ; INTERPRETED AS

125.5	.012-	127.0	.018-	128.5	.008-
126.0	.009-	127.5	.033-	129.0	.011-
126.5	.013-	128.0	.047-		

HOLE 071330 \*W519 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

\*\* INTERCEPT SUMMARY \*\*  
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GRADE CUTOFF .03; G\*T CUTOFF .03; MIN. WASTE INTERVAL 1.5

LITH. UNIT	THICKNESS	GRADE	DEPTH	G*T
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	1.0	.040	127.5	.040

LITHOLOGIC UNIT AS A WHOLE HAS A THICKNESS OF 1.0 FEET,  
A GRADE OF .040 ( U308, AND A G\*T OF .040 (-FT.

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\*

GRADE CUTOFF .05; G\*T CUTOFF .25; MIN. WASTE INTERVAL 1.5

THERE IS NO MINERALIZATION ABOVE THIS CUTOFF.

W705  
10/31/80

HOLE 061420 \*W705 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 44 FEET ON 8/29/78

LOCATION COLLAR ELEVATION = 5960.0 FEET  
N-S COORD. = 1038150.0  
E-W COORD. = 267850.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 45.0  
BEARING S70E

LOGGING PARAMETERS K-FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.000  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W705 IS BARREN \*\*

HOLE 081436 \*W556 E RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 397 FEET ON 10/30/79

LOCATION COLLAR ELEVATION = 4880.0 FEET  
N-S COORD. = 1089750.0  
E-W COORD. = 289750.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 90.0  
BEARING N 0E

LOGGING PARAMETERS K-FACTOR = .00003020  
DEAD TIME = .00000705  
WATER FACTOR = 1.210  
PIPE FACTOR = 0.000  
WATER DEPTH = 5 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W556 E IS BARREN \*\*

HOLE 081436 \*W557 E RED BL: PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 355 FEET  
PROBED 343 FEET ON 11/ 2/79

LOCATION COLLAR ELEVATION = 4900.0 FEET  
N-S COORD. = 1089750.0  
E-W COORD. = 289500.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 90.0  
BEARING N 0E

LOGGING PARAMETERS K-FACTOR = .00003020  
DEAD TIME = .00000705  
WATER FACTOR = 1.210  
PIPE FACTOR = 1.000  
WATER DEPTH = 6 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

W557 E  
10/31/80

HOLE 081436 \*W557 E RED BL  
GILA COUNTY, ARIZONA  
LEASE ID

PROPERTIES

TABULATED GRADE DATA  
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ANOMALY 1 - 208.5 TO 215.5 ; INTERPRETED AS

208.5	.012-	211.0	.013-	213.5	.022-
209.0	.010-	211.5	.013-	214.0	.024-
209.5	.011-	212.0	.018-	214.5	.022-
210.0	.015-	212.5	.022-	215.0	.011-
210.5	.011-	213.0	.020-	215.5	.010-

HOLE 081531 \*W558 E RED BL  
GILA COUNTY, ARIZONA  
LEASE 10

PROPERTIES

\*\* INTERCEPT SUMMARY \*\*  
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GRADE CUTOFF .03; G\*T CUTOFF .03; MIN. WASTE INTERVAL 1.5

LITH. UNIT	THICKNESS	GRADE	DEPTH	G*T
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	6.5	.063	226.5	.408
LITHOLOGIC UNIT	AS A WHOLE HAS A THICKNESS OF 6.5 FEET,			
A GRADE OF .063 ( U308,	AND A G*T OF .408 (=FT.			

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GRADE CUTOFF .05; G\*T CUTOFF .25; MIN. WASTE INTERVAL 1.5

LITH. UNIT	THICKNESS	GRADE	DEPTH	G*T
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	4.5	.074	228.0	.335
LITHOLOGIC UNIT	AS A WHOLE HAS A THICKNESS OF 4.5 FEET,			
A GRADE OF .074 ( U308,	AND A G*T OF .335 (=FT.			

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GRADE CUTOFF .10; G\*T CUTOFF .50; MIN. WASTE INTERVAL 1.5

THERE IS NO MINERALIZATION ABOVE THIS CUTOFF.

HOLE 081531 \*W558 E RED BL PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA

ANOMALY 1 = 161.5 TO 165.0 ; INTERPRETED AS

161.5	.015=	163.0	.011=	164.5	.005=
162.0	.008=	163.5	.019=	165.0	.013=
162.5	.014=	164.0	.042=		

ANOMALY 2 = 220.0 TO 235.0 ; INTERPRETED AS

220.0	.017=	225.5	.012=	231.0	.041=
220.5	.007=	226.0	.012=	231.5	.028=
221.0	.009=	226.5	.037=	232.0	.149=**
221.5	.057=*	227.0	.038=	232.5	.037=
222.0	.009=	227.5	.033=	233.0	.024=
222.5	.005=	228.0	.247=****	233.5	.012=
223.0	.015=	228.5	.049=	234.0	.028=
223.5	.018=	229.0	.058=*	234.5	.019=
224.0	.039=	229.5	.017=	235.0	.012=
224.5	.007=	230.0	.053=*		
225.0	.009=	230.5	.028=		



HOLE 081531 \*W558 E RED BL PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 380 FEET  
PROBED 371 FEET ON 11/ 2/79

LOCATION COLLAR ELEVATION = 4920.0 FEET  
N-S COORD. = 1089900.0  
E-W COORD. = 289900.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 90.0  
BEARING N 0E

LOGGING PARAMETERS K-FACTOR = .00003020  
DEAD TIME = .00000705  
WATER FACTOR = 1.210  
PIPE FACTOR = 1.000  
WATER DEPTH = 5 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

HOLE 081531 \*W559 E RED BL PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 330 FEET  
PROBED 320 FEET ON 11/ 6/79

LOCATION COLLAR ELEVATION = 4880.0 FEET  
N-S COORD. = 1090000.0  
E-W COORD. = 290100.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 90.0  
BEARING N 0E

LOGGING PARAMETERS K-FACTOR = .00003020  
DEAD TIME = .00000705  
WATER FACTOR = 1.210  
PIPE FACTOR = 1.000  
WATER DEPTH = 6 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED

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\*\* HOLE W559 E IS BARREN \*\*

W700  
10/31/80

HOLE 071406 \*W700 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

TABULATED GRADE DATA  
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ANOMALY 1 = 55.0 TO 69.0 ; INTERPRETED AS  
THIS IS A LOGGING SCALE ANOMALY.

W700  
10/31/80

HOLE 071406 \*W700 RED BLUFF PROPERTIES  
GILA COUNTY, ARIZONA  
LEASE ID

JOCA NUMBER  
DRILLED 0 FEET  
PROBED 112 FEET ON 8/18/78

LOCATION COLLAR ELEVATION = 5740.0 FEET  
N-S COORD. = 1084750.0  
E-W COORD. = 258125.0  
COORDINATES ARE EXACT  
DRIFTED HOLE NO  
DIRECTIONALLY DRILLED HOLE YES  
DIP = 60.0  
BEARING S30E

LOGGING PARAMETERS K=FACTOR = .00001425  
DEAD TIME = .00000221  
WATER FACTOR = 1.000  
PIPE FACTOR = 0.000  
WATER DEPTH = 0 FEET  
PIPE DEPTH = 0 FEET

MAJOR LITHOLOGIC UNITS  
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FORMATION	AGE	SUBDIVISION	LITHOLOGY	DEPTH TO TOP
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THERE ARE NO LITHOLOGIC UNITS RECORDED

MAJOR CHEMICAL UNITS  
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CHEMISTRY	DEPTH TO TOP
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THERE ARE NO CHEMICAL UNITS RECORDED