

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other **New Drill; Plugged & Abandoned** 26 21

2. Name of Operator

BP America Production Company Attn: Cherry Hlava

3. Address

P.O. Box 3092 Houston, TX 77253

3a. Phone No. (include area code)

281-366-4491

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 1645' FSL & 860' FEL

At top prod. Interval reported below

At total depth 725' FSL & 1800' FEL

14. Date Spudded

7/17/2005

15. Date T.D. Reached

8/9/2005

16. Date Completed

☒ D & A ☐ Ready to Prod.
8-17-0518. Total Depth: MD 7909
TVD 764919. Plug Back T.D.: MD 7909
TVD 7649'20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☐ No ☒ Yes (Submit report)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13 1/2	9 5/8" H-40	32	0	360'		200		0	
8 3/4"	7" J-55	20	0	3722'		311		0	
6 1/4"	N/A	N/A	N/A	N/A		N/A		N/A	

24. Tubing Record

Size	Depth set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
N/A	N/A							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) N/A						
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date first Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
N/A			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date first Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

AUG 29 2005

FARMINGTON FIELD OFFICE
BY *Sm*

NWMOCD

Date first Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	1 bbl. Press Flwg. SI.	Csg. Press.	24 hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

30. **Summary of Porous Zones (Included Aquifers):**

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

Due to unavoidable downhole problems the above mentioned well was plugged and abandoned 8/17/05

3. Other:

Date **8/23/2005**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Scientific Drilling
Directional Drilling Operations

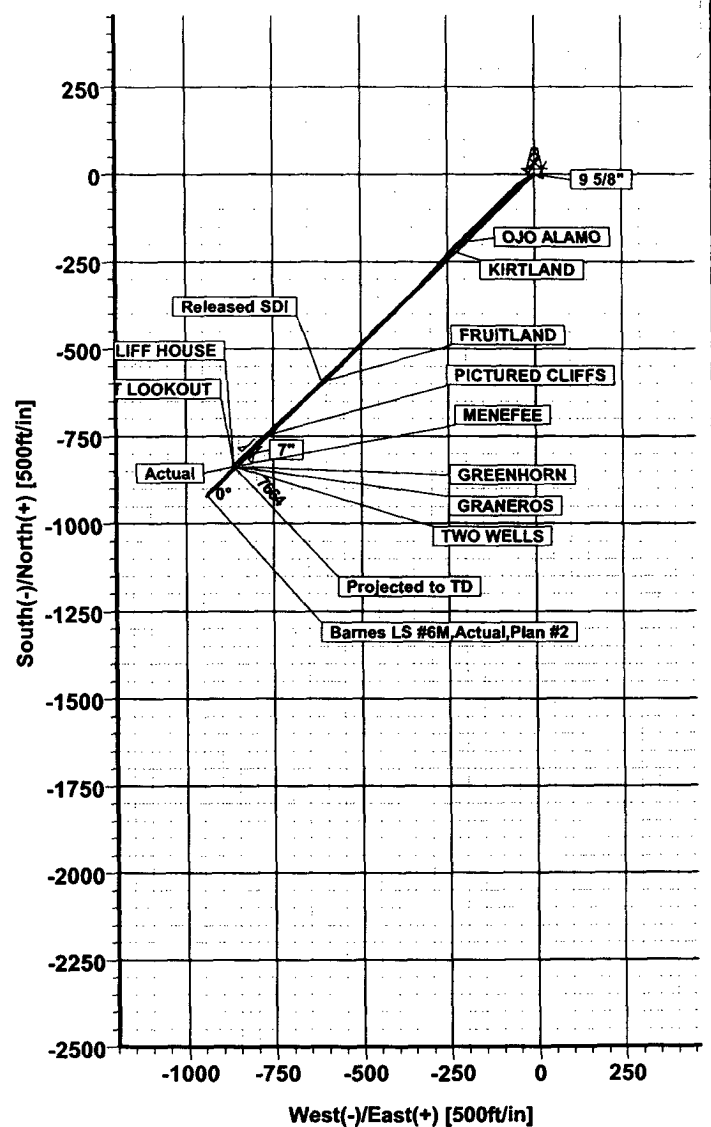
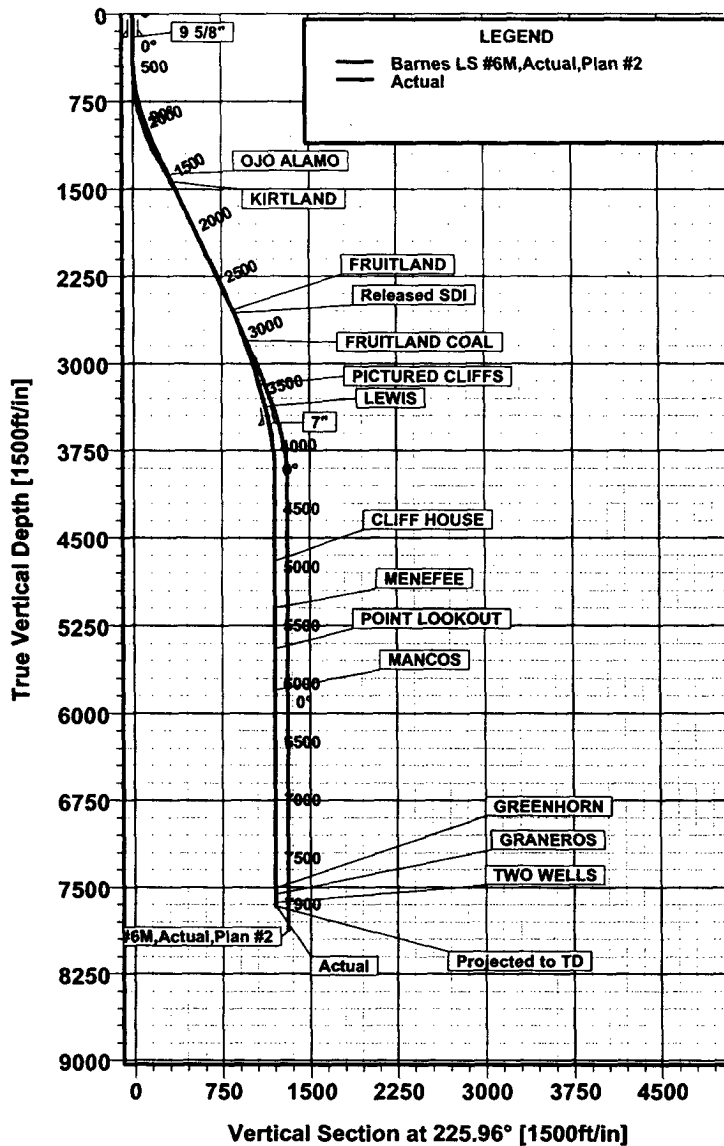
Field: SAN JUAN, New Mexico
Site: SEC 23-T32N-11W
Well: Barnes LS #6M
Wellpath: Actual



COMPARISON PLOT

PLANNED

ACTUAL



WELL DETAILS

	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LS #6M	0.00	0.00	2171651.91	2688178.12	36°58'04.236N	107°57'10.314W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Centre: Barnes LS #6M, Grid North
Vertical (TVD) Reference: AGL=6435+KB=13.5' 6449.00
Section (VS) Reference: Slot - (0.00N,0.00E)
Measured Depth Reference: AGL=6435+KB=13.5' 6449.00
Calculation Method: Minimum Curvature

SURVEY PROGRAM

Date : 8/19/2005 Validated : No Version : 2

Depth Fm	Depth To	Survey/Plan	Tool
447.00	2750.00	MWD SURVEY	MWD ISCWSA
3750.00	7900.00	Projected survey	BLIND

FIELD DETAILS

SAN JUAN, New Mexico
SAN JUAN COUNTY, NEW MEXICO
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Western Zone
Magnetic Model: bggm2005
System Datum: Mean Sea Level
Local North: Grid North

Company: BP	Date: 8/19/2005	Time: 11:11:04	Page: 1
Field: SAN JUAN, New Mexico	Co-ordinate(NE) Reference:	Well: Barnes LS #6M, Grid North	
Site: SEC 23-T32N-11W	Vertical (TVD) Reference:	AGL=6435+KB=13.5' 6449.0	
Well: Barnes LS #6M	Section (VS) Reference:	Well (0.00N,0.00E,225.96Azi)	
Wellpath: Actual	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Field: SAN JUAN, New Mexico
 SAN JUAN COUNTY, NEW MEXICO
 USA
Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Well Centre
Geomagnetic Model: bggm2005

Site: SEC 23-T32N-11W

SAN JUAN NEW MEXICO

Site Position:	Northing:	ft	Latitude:
From: Lease Line	Easting:	ft	Longitude:
Position Uncertainty: 0.00 ft			North Reference:
Ground Level: 6435.00 ft			Grid Convergence: -0.07 deg

Well: Barnes LS #6M

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	2171651.91 ft	Latitude:	36 58 4.236 N
	+E/-W	0.00 ft	Easting:	2688178.12 ft	Longitude:	107 57 10.314 W
Position Uncertainty:		0.00 ft				

Wellpath: Actual

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 10.77 deg
Mag Dip Angle: 63.80 deg
+E/-W Direction deg

Current Datum: AGL=6435+KB=13.5' Height 6449.00 ft
Magnetic Data: 6/30/2005
Field Strength: 51501 nT
Vertical Section: Depth From (TVD) ft
+N/-S ft
+E/-W ft
 0.00 0.00 0.00 225.96

Survey Program for Definitive Wellpath

Date: 8/19/2005	Validated: No	Version: 2
Actual From To	Survey	Toolcode Tool Name
ft ft		
447.00 2750.00	MWD SURVEY (447.00-2750.00)	MWD ISCWSA
3750.00 7900.00	Projected survey (3750.00-7900)	MWD - Standard Blind drilling

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
200.00	0.35	207.17	200.00	-0.55	-0.28	0.58	0.18	0.18	0.00	9 5/8"
447.00	0.79	207.17	446.99	-2.74	-1.41	2.92	0.18	0.18	0.00	MWD ISCWSA
538.00	2.81	242.86	537.94	-4.32	-3.68	5.65	2.44	2.22	39.22	MWD ISCWSA
629.00	6.16	239.34	628.65	-7.83	-9.87	12.53	3.69	3.68	-3.87	MWD ISCWSA
720.00	10.20	239.08	718.70	-14.46	-20.98	25.13	4.44	4.44	-0.29	MWD ISCWSA
750.00	11.70	237.15	748.16	-17.47	-25.82	30.71	5.15	5.00	-6.43	MWD ISCWSA
781.00	12.66	234.66	778.46	-21.14	-31.23	37.15	3.53	3.10	-8.03	MWD ISCWSA
810.00	13.54	232.49	806.70	-25.05	-36.51	43.66	3.48	3.03	-7.48	MWD ISCWSA
840.00	14.33	231.08	835.82	-29.52	-42.19	50.85	2.87	2.63	-4.70	MWD ISCWSA
870.00	15.56	230.11	864.80	-34.43	-48.16	58.56	4.18	4.10	-3.23	MWD ISCWSA
900.00	16.62	229.08	893.63	-39.82	-54.49	66.86	3.66	3.53	-3.43	MWD ISCWSA
931.00	17.50	227.65	923.26	-45.87	-61.29	75.94	3.14	2.84	-4.61	MWD ISCWSA
961.00	18.47	225.81	951.80	-52.22	-68.03	85.20	3.75	3.23	-6.13	MWD ISCWSA
993.00	19.52	224.14	982.06	-59.59	-75.39	95.62	3.69	3.28	-5.22	MWD ISCWSA
1055.00	22.16	225.72	1039.99	-75.19	-90.98	117.67	4.35	4.26	2.55	MWD ISCWSA
1087.00	23.13	226.42	1069.53	-83.74	-99.85	129.99	3.15	3.03	2.19	MWD ISCWSA
1118.00	24.18	226.69	1097.92	-92.29	-108.88	142.42	3.41	3.39	0.87	MWD ISCWSA
1149.00	25.41	226.41	1126.06	-101.23	-118.32	155.42	3.99	3.97	-0.90	MWD ISCWSA
1211.00	27.70	224.93	1181.52	-120.61	-138.13	183.14	3.84	3.69	-2.39	MWD ISCWSA
1242.00	28.31	225.10	1208.89	-130.89	-148.43	197.69	1.98	1.97	0.55	MWD ISCWSA
1274.00	28.67	225.10	1237.02	-141.67	-159.24	212.95	1.12	1.12	0.00	MWD ISCWSA



Scientific Drilling Survey Report



Company: BP	Date: 8/19/2005	Time: 11:11:04	Page: 2
Field: SAN JUAN, New Mexico	Co-ordinate(NE) Reference:	Well: Barnes LS #6M, Grid North	
Site: SEC 23-T32N-11W	Vertical (TVD) Reference:	AGL=6435+KB=13.5' 6449.0	
Well: Barnes LS #6M	Section (VS) Reference:	Well (0.00N,0.00E,225.96Azi)	
Wellpath: Actual	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1336.00	28.93	227.30	1291.35	-162.34	-180.80	242.82	1.76	0.42	3.55	MWD ISCWSA
1366.00	28.93	226.60	1317.60	-172.24	-191.40	257.33	1.13	0.00	-2.33	MWD ISCWSA
1398.00	28.58	225.72	1345.66	-182.91	-202.50	272.72	1.72	-1.09	-2.75	MWD ISCWSA
1429.00	28.67	225.81	1372.87	-193.27	-213.15	287.57	0.32	0.29	0.29	MWD ISCWSA
1434.85	28.63	225.59	1378.00	-195.22	-215.15	290.37	1.93	-0.61	-3.82	OJO ALAMO
1459.00	28.49	224.66	1399.21	-203.37	-223.33	301.92	1.93	-0.60	-3.84	MWD ISCWSA
1490.00	28.49	223.35	1426.46	-214.01	-233.61	316.70	2.02	0.00	-4.23	MWD ISCWSA
1504.27	28.57	223.18	1439.00	-218.97	-238.28	323.51	0.80	0.58	-1.16	KIRTLAND
1521.00	28.67	222.99	1453.68	-224.82	-243.75	331.51	0.80	0.58	-1.16	MWD ISCWSA
1585.00	26.64	221.06	1510.37	-246.88	-263.65	361.14	3.47	-3.17	-3.02	MWD ISCWSA
1617.00	26.29	220.62	1539.02	-257.66	-272.97	375.35	1.25	-1.09	-1.37	MWD ISCWSA
1649.00	25.24	221.15	1567.83	-268.18	-282.08	389.20	3.36	-3.28	1.66	MWD ISCWSA
1680.00	24.36	221.24	1595.98	-277.96	-290.64	402.16	2.84	-2.84	0.29	MWD ISCWSA
1710.00	24.36	221.59	1623.30	-287.24	-298.83	414.49	0.48	0.00	1.17	MWD ISCWSA
1741.00	24.62	222.38	1651.52	-296.80	-307.42	427.31	1.35	0.84	2.55	MWD ISCWSA
1771.00	25.51	222.99	1678.69	-306.14	-316.04	440.00	3.09	2.97	2.03	MWD ISCWSA
1803.00	25.41	223.43	1707.58	-316.16	-325.46	453.74	0.67	-0.31	1.37	MWD ISCWSA
1833.00	25.68	224.66	1734.65	-325.46	-334.45	466.67	1.98	0.90	4.10	MWD ISCWSA
1894.00	25.68	225.90	1789.63	-344.06	-353.23	493.10	0.88	0.00	2.03	MWD ISCWSA
1925.00	25.76	226.42	1817.55	-353.38	-362.94	506.56	0.77	0.26	1.68	MWD ISCWSA
1954.00	26.03	225.81	1843.64	-362.16	-372.07	519.22	1.31	0.93	-2.10	MWD ISCWSA
2017.00	26.38	225.46	1900.17	-381.61	-391.95	547.04	0.61	0.56	-0.56	MWD ISCWSA
2081.00	26.56	226.16	1957.46	-401.49	-412.41	575.57	0.56	0.28	1.09	MWD ISCWSA
2143.00	26.20	226.33	2013.00	-420.55	-432.31	603.11	0.59	-0.58	0.27	MWD ISCWSA
2205.00	25.59	224.72	2068.78	-439.51	-451.63	630.19	1.50	-0.98	-2.60	MWD ISCWSA
2268.00	25.68	224.66	2125.58	-458.89	-470.80	657.44	0.15	0.14	-0.10	MWD ISCWSA
2330.00	25.76	225.10	2181.43	-477.95	-489.78	684.34	0.33	0.13	0.71	MWD ISCWSA
2392.00	25.76	225.02	2237.27	-496.99	-508.86	711.28	0.06	0.00	-0.13	MWD ISCWSA
2455.00	25.06	224.58	2294.18	-516.17	-527.90	738.31	1.15	-1.11	-0.70	MWD ISCWSA
2517.00	24.45	224.23	2350.48	-534.71	-546.07	764.26	1.01	-0.98	-0.56	MWD ISCWSA
2580.00	23.65	224.31	2408.01	-553.10	-563.99	789.92	1.27	-1.27	0.13	MWD ISCWSA
2618.00	22.77	224.49	2442.93	-563.80	-574.47	804.89	2.32	-2.32	0.47	MWD ISCWSA
2644.00	22.60	225.02	2466.92	-570.92	-581.53	814.92	1.02	-0.65	2.04	MWD ISCWSA
2692.00	22.60	225.90	2511.24	-583.86	-594.68	833.36	0.70	0.00	1.83	MWD ISCWSA
2719.91	22.60	226.41	2537.00	-591.29	-602.41	844.09	0.70	0.00	1.83	FRUITLAND
2750.00	22.60	226.96	2564.78	-599.22	-610.83	855.65	0.70	0.00	1.83	Released SDI
3004.66	20.04	226.96	2802.00	-662.41	-678.49	948.22	1.00	-1.00	0.00	FRUITLAND COAL
3404.38	16.02	226.96	3182.00	-746.84	-768.91	1071.90	1.00	-1.00	0.00	PICTURED CLIFFS
3602.15	14.04	226.96	3373.00	-781.84	-806.39	1123.18	1.00	-1.00	0.00	LEWIS
3750.00	12.55	226.96	3516.88	-805.04	-831.23	1157.17	1.00	-1.00	0.00	7"
4169.00	0.00	226.96	3932.54	-836.24	-864.64	1202.87	3.00	-3.00	0.00	BLIND
4933.46	0.00	226.96	4697.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	CLIFF HOUSE
5331.46	0.00	226.96	5095.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	MENEFEE
5686.46	0.00	226.96	5450.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	POINT LOOKOUT
6040.46	0.00	226.96	5804.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	MANCOS
7746.46	0.00	226.96	7510.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	GREENHORN
7799.46	0.00	226.96	7563.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	GRANEROS
7870.46	0.00	226.96	7634.00	-836.24	-864.64	1202.87	0.00	0.00	0.00	TWO WELLS
7900.00	0.00	226.96	7663.54	-836.24	-864.64	1202.87	0.00	0.00	0.00	Projected to TD

Scientific Drilling Survey Report

Company: BP	Date: 8/19/2005	Time: 11:11:04	Page: 3
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Site: SEC 23-T32N-11W	Vertical (TVD) Reference:	AGL=6435+KB=13.5' 6449.0	
Well: Barnes LS #6M	Section (VS) Reference:	Well (0.00N,0.00E,225.96Azi)	
Wellpath: Actual	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
200.00	200.00	9.625	13.500	9 5/8"
3750.00	3516.88	7.000	8.750	7"

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1434.85	1378.00	OJO ALAMO		0.00	0.00
1504.27	1439.00	KIRTLAND		0.00	0.00
2719.91	2537.00	FRUITLAND		0.00	0.00
3004.66	2802.00	FRUITLAND COAL		0.00	0.00
3404.38	3182.00	PICTURED CLIFFS		0.00	0.00
3602.15	3373.00	LEWIS		0.00	0.00
4933.46	4697.00	CLIFF HOUSE		0.00	0.00
5331.46	5095.00	MENEFEE		0.00	0.00
5686.46	5450.00	POINT LOOKOUT		0.00	0.00
6040.46	5804.00	MANCOS		0.00	0.00
7746.46	7510.00	GREENHORN		0.00	0.00
7799.46	7563.00	GRANEROS		0.00	0.00
7870.46	7634.00	TWO WELLS		0.00	0.00
	0.00	PAGUATE		0.00	0.00
	0.00	CUBERO		0.00	0.00
	0.00	L. CUBERO		0.00	0.00
	0.00	ENCINAL CYN		0.00	0.00

Annotation

MD ft	TVD ft	
7900.00	7663.54	Projected to TD
2750.00	2564.78	Released SDI