

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 23 2008

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No
NMSF-078769

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
WILLIAMS PRODUCTION CO, LLC

7. If Unit of CA/Agreement, Name and/or No.
ROSA UNIT

8. Well Name and No
ROSA UNIT #153C

3a. Address
P. O BOX 640
AZTEC, NM 87410

3b. Phone No (include area code)
(505) 634-4208

9. API Well No.
30-039-30197

10. Field and Pool or Exploratory Area
BLANCO MV/BASIN DK

4. Location of Well (Footage, Sec., T,R.,M., or Survey Description)
Surface - 1115' FNL & 1745' FWL
BHL - 1650' FNL & 2310' FEL Sec 17, T31N, R5W

11. Country or Parish, State
RIO ARRIBA, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Due to change in plans Williams Production intends to drill this well an a Mesaverde/Dakota dual completion. See attached plat, drilling plan and directional plan.

**NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT**
CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

RCVD SEP 29 '08
OIL CONS. DIV.
DIST. 3

Hold C104

for Directional Survey
and "As Drilled" plat

and Bottom hole deviation survey

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Larry Higgins

Title Drilling COM

Signature

Larry Higgins

Date 09/23/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

James L. ...

Title

Petr. Eng.

Date

9/26/08

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

NMOCD *8*

District I
1625 N French Dr., Hobbs, NM 88240

District II
1301 W Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-30197		2 Pool Code 72319 / 71599		3 Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
4 Property Code 17033		5 Property Name ROSA UNIT			6 Well Number 153C
7 OGRID No 120782		8 Operator Name WILLIAMS PRODUCTION COMPANY			9 Elevation 6208'

10 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	31N	5W		1115	NORTH	1745	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	17	31N	5W		1650	NORTH	2310	EAST	RIO ARriba

12 Dedicated Acres 320.0 Acres - (E/2)	13 Joint or Infill	14 Consolidation Code	15 Order No
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 SURFACE LOCATION LAT: 36.90372°N LONG: 107.38875°W DATUM: NAD83 BOTTOM-HOLE LOCATION LAT: 36.90225°N LONG: 107.38462°W DATUM: NAD83 LEASE SF-078769	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division <i>Larry Higgins</i> 9-23-06 Signature Date LARRY HIGGINS Printed Name 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Survey Date: SEPTEMBER 14, 2006 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269
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WILLIAMS PRODUCTION COMPANY
Drilling Plan

(Note: This procedure will be adjusted on site based upon actual conditions)

<u>DATE:</u>	7/22/2008	<u>FIELD:</u>	Blanco MV/DK
<u>WELL NAME:</u>	Rosa Unit #153-C	<u>SURFACE:</u>	BLM
<u>S. LOCATION:</u>	SW/4 NE/4 Sec 17-31N-5W Rio Arriba, NM	<u>MINERALS:</u>	BLM
<u>ELEVATION:</u>	6,208 ft. GL	<u>LEASE #</u>	NMSF-0787659
<u>MEASURED DEPTH:</u>	8,248 ft. (MD)	<u>API#:</u>	30-039-30197
<u>I. GEOLOGY:</u>	Surface formation - San Jose		

A. FORMATION TOPS: (KB)

	<u>TVD</u>	<u>MD</u>		<u>TVD</u>	<u>MD</u>
Ojo Alamo	2,342'	2,645'	Menefee	5,302'	5,658'
Kirtland	2,457'	2,774'	Point Lookout	5,522'	5,878'
Fruitland Fmtn	2,872'	3,219'	Mancos sh	5,872'	6,228'
Pictured Cliffs	3,087'	3,440'	Gallup	6,867'	7,223'
Lewis Sh	3,362'	3,717'	Greenhorn	7,592'	7,948'
Int. Casing	3,562'	3,918'	Graneros	7,647'	8,003'
Cliff House Trans	4,962'	5,318'	Dakota	7,777'	8,132'
Cliff House	5,262'	5,618'	5-1/2" Casing	7,892'	8,248'
			Total Depth	7,892'	8,248'

B. LOGGING PROGRAM: Mud Logger on at 100 ft above Gallup Ss to TD M. Logger will pick TD.

C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM: Use a LSND mud (+/-40 Vis.) to drill 9-7/8 in. Intermediate Hole. Increase vis to +/-60 to run Casing. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses. Use air w/Air Hammer w/ 6-3/4 in. bit to drill-out 7-5/8 in. csg. to TD +/- 7,927 ft.

B. BOP TESTING: While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to **250 psi (Low) for 5 minutes** and **1500 psi (High) for 10 minutes**. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The surface and Intermediate casing will be pressure tested to **1500 psi for 30 minutes** after the BOPE test before drilling out cement. The drum brakes will be inspected and tested each tour. **All tests, inspections and SPR's will be recorded in the tour book as to time and results.**

III. MATERIALS

A. CASING PROGRAM:

<u>CASING TYPE</u>	<u>HOLE SIZE</u>	<u>DEPTH (MD)</u>	<u>CASING SIZE</u>	<u>WT. & GRADE</u>
Surface	14-3/4"	+310'	10-3/4"	32.75# K-55
Intermediate	9-7/8"	3,918'	7-5/8"	26.4# K-55
Prod. Casing	6-3/4"	+/-8,248'-Surf.	5-1/2"	17# N-80

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 10-3/4" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
2. INTERMEDIATE CASING: 7-5/8" cement nose guide shoe with a self-fill float Collar. Place Float Collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300ft. 2,000ft., 1,500 ft., and 1,000 ft. (NTL-FRA 90-1). (Call this in to BLM for approval. If denied, follow what is in the Operations Plan in the Permit package.)
3. PRODUCTION CASING: 5-1/2" whirler type cement nose guide shoe with a float collar on top of bottom joint. Place marker joint above 5,600'. Place one turbolizer every third joint thru Dakota and Mesa Verde intervals.). (Call this in to BLM for approval. If denied, follow what is in the Operations Plan in the Permit package.)

C. CEMENTING: *Note: Volumes may be adjusted onsite due to actual conditions)*

1. SURFACE: Slurry: 250sx (345 cu.ft.) of "Type III" + 2% CaCl₂ + 1/4 # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). NO EXCESS PUMP AS WRITTEN SHOULD CIRCULATE TO SURFACE WOC 12 hours. Test csg to 1500psi.
2. INTERMEDIATE: Lead - 600sx (1,266 cu.ft.) of Premium Light with 8% gel, 1% CaCl₂, 4% Phenoseal and 1/4# cello-flake/sk (Yield = 2.11 cu.ft./sk, Weight = 12.1 #/gal.). Tail - 100 sx (139cu.ft.) of "Type III" with 1/4# cello-flake/sk (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). NO EXCESS IN EITHER SLURRY PUMP AS WRITTEN Total volume = 1,405 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
3. PRODUCTION CASING: 10 bbl Gelled Water space. Lead: 85sx (208ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 3 #/sk CSE + 1/4 #/sk cello-flake+ 5 #/sk LCM-1. (Yield = 2.61 cu.ft./sk, Weight = 11.6 #/gal.). Tail: 110 sx (234 ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 3 #/sk CSE, 1/4 #/sk cello flake and 5 #/sk LCM-1. (Yield = 2.13 ft³/sk, Weight = 12.3 #/gal.). Displace cement at a minimum of 8 BPM. NO EXCESS IN EITHER SLURRY PUMP AS WRITTEN. Should cover 100 ft into intermediate casing. Total volume 443ft³. WOC 12 hours.


Gary Sizemore
Sr. Drilling Engineer



ROSA UNIT #153-C
RIO ARRIBA CO., NEW MEXICO



Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	113.89	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	113.89	400.00	0.00	0.00	0.00	0.00	0.00	
3	1911.49	45.34	113.89	1758.57	-229.85	518.91	3.00	113.89	567.53	
4	3917.90	0.00	113.89	3562.00	-534.96	1207.72	2.26	180.00	1320.90	Int Csg
5	8247.90	0.00	113.89	7892.00	-534.96	1207.72	0.00	113.89	1320.90	PBHL

CASING DETAILS

No	TVD	MD	Name	Size
1	300.00	300.00	9 5/8"	9.625
2	3562.00	3917.90	Int Csg	0.000

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#153C	0.00	0.00	2148587.53	2853083.19	36°54'13.390N	107°23'19.500W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Int Csg	3562.00	-534.96	1207.72	36°54'08.100N	107°23'04.630W	Point
Rosa 31	5973.00	15.00	-50.00	36°54'13.538N	107°23'20.116W	Circle (Radius 174)
PBHL	7892.00	-534.96	1207.72	36°54'08.100N	107°23'04.630W	Point

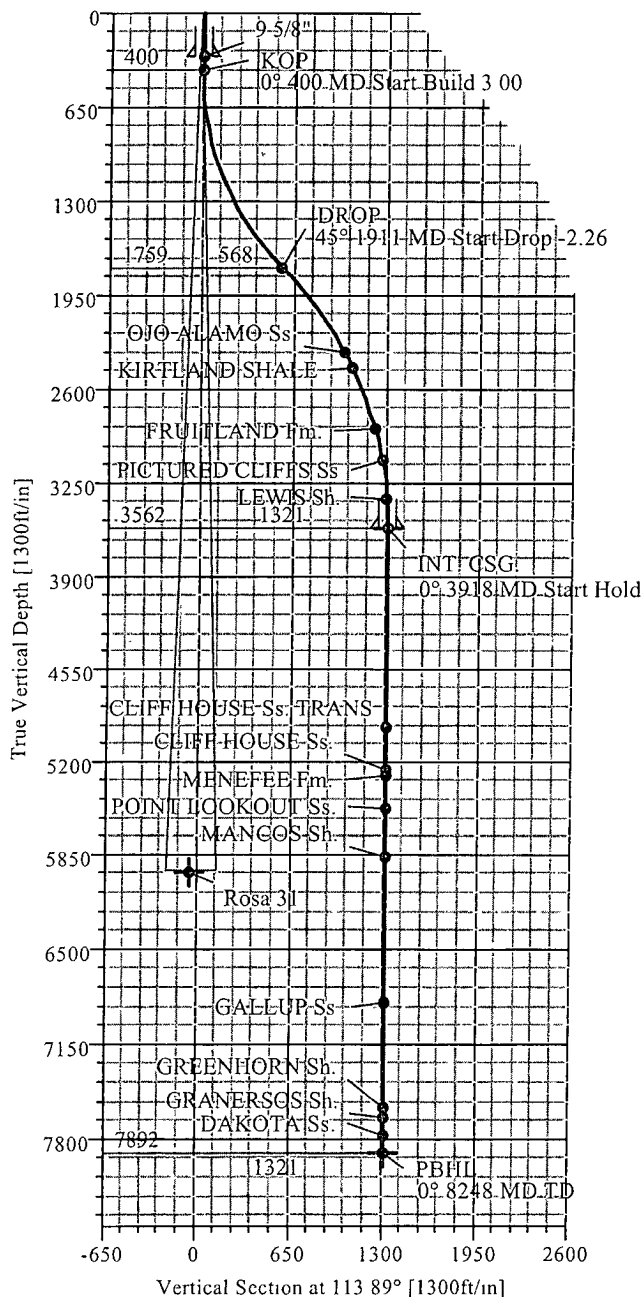


Azimuths to True North
Magnetic North: 10.21°

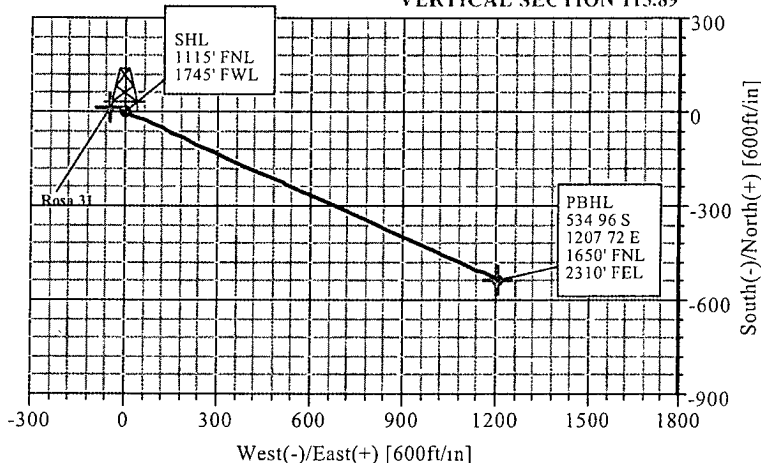
Magnetic Field
Strength: 51253nT
Dip Angle: 63.77°
Date: 3/17/2008
Model: bggm2007

TOTAL CORRECTION TO TRUE NORTH 10.21°

KB ELEV: 6222'
GL ELEV: 6208'



VERTICAL SECTION 113.89°



SITE DETAILS

Rosa Unit #153C
1115' FNL 1745' FWL of SEC 17, T-31-N, R-5-W
Site Centre Latitude: 36°54'13.390N
Longitude: 107°23'19.500W
Ground Level: 6208.00
Positional Uncertainty: 0.00
Convergence: 0.27

FORMATION TOP DETAILS

No	TVDPath	MDPath	Formation
1	2342.00	2645.10	OJO ALAMO Ss
2	2457.00	2774.53	KIRTLAND SHALE
3	2872.00	3219.08	FRUITLAND Fm
4	3087.00	3440.08	PICTURED CLIFFS Ss
5	3362.00	3717.69	LEWIS Sh
6	4962.00	5317.90	CLIFF HOUSE Ss TRANS
7	5262.00	5617.90	CLIFF HOUSE Ss
8	5302.00	5657.90	MENEFEE Fm
9	5522.00	5877.90	POINT LOOKOUT Ss
10	5872.00	6227.90	MANCOS Sh
11	6867.00	7222.90	GALLUP Ss
12	7592.00	7947.90	GREENHORN Sh
13	7647.00	8002.90	GRANERSON Ss
14	7777.00	8132.90	DAKOTA Ss

FIELD DETAILS

Rio Arriba County (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Western Zone
Magnetic Model: bggm2007
System Datum: Mean Sea Level
Local North: True North

Plan Plan #1 (#153C/1)

Created By: Lindsey Maddux

Date: 3/26/2008



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: WILLIAMS PRODUCTION Date: 3/26/2008 Time: 15:18:24 Page: 3
 Field: Rio Arriba County (NAD 83) Co-ordinate(NE) Reference: Site: Rosa Unit #153C, True North
 Site: Rosa Unit #153C Vertical (TVD) Reference: SITE 6222.0
 Well: #153C Section (VS) Reference: Well (0.00N;0.00E;113.89Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
6200.00	0.00	113.89	5844.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6227.90	0.00	113.89	5872.00	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	MANCOS Sh.
6300.00	0.00	113.89	5944.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6400.00	0.00	113.89	6044.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6500.00	0.00	113.89	6144.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6600.00	0.00	113.89	6244.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6700.00	0.00	113.89	6344.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6800.00	0.00	113.89	6444.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
6900.00	0.00	113.89	6544.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7000.00	0.00	113.89	6644.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7100.00	0.00	113.89	6744.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7200.00	0.00	113.89	6844.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7222.90	0.00	113.89	6867.00	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	GALLUP Ss.
7300.00	0.00	113.89	6944.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7400.00	0.00	113.89	7044.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7500.00	0.00	113.89	7144.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7600.00	0.00	113.89	7244.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7700.00	0.00	113.89	7344.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7800.00	0.00	113.89	7444.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7900.00	0.00	113.89	7544.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
7947.90	0.00	113.89	7592.00	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	GREENHORN Sh.
8000.00	0.00	113.89	7644.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
8002.90	0.00	113.89	7647.00	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	GRANERSOS Sh.
8100.00	0.00	113.89	7744.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
8132.90	0.00	113.89	7777.00	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	DAKOTA Ss.
8200.00	0.00	113.89	7844.10	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	
8247.90	0.00	113.89	7892.00	-534.96	1207.72	1320.90	0.00	0.00	0.00	113.89	PBHL

Targets

Name	Description	TVD	+N/-S	+E/-W	Map Northing	Map Easting	Latitude Deg Min Sec	Longitude Deg Min Sec
Int. Csg.		3562.00	-534.96	1207.72	2148058.21	2854293.39	36 54 8.100 N	107 23 4.630 W
-Plan hit target								
PBHL		7892.00	-534.96	1207.72	2148058.21	2854293.39	36 54 8.100 N	107 23 4.630 W
-Plan hit target								

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2645.10	2342.00	OJO ALAMO Ss		0.00	0.00
2774.53	2457.00	KIRTLAND SHALE		0.00	0.00
3219.08	2872.00	FRUITLAND Fm.		0.00	0.00
3440.08	3087.00	PICTURED CLIFFS Ss		0.00	0.00
3717.69	3362.00	LEWIS Sh.		0.00	0.00
5317.90	4962.00	CLIFF HOUSE Ss. TRANS		0.00	0.00
5617.90	5262.00	CLIFF HOUSE Ss.		0.00	0.00
5657.90	5302.00	MENEFEE Fm.		0.00	0.00
5877.90	5522.00	POINT LOOKOUT Ss.		0.00	0.00
6227.90	5872.00	MANCOS Sh.		0.00	0.00
7222.90	6867.00	GALLUP Ss.		0.00	0.00
7947.90	7592.00	GREENHORN Sh.		0.00	0.00
8002.90	7647.00	GRANERSOS Sh.		0.00	0.00
8132.90	7777.00	DAKOTA Ss.		0.00	0.00