

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

RECEIVED

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals.

204 FEB 27 AM 2:00

070 Farmington, NM

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.
PO BOX 316 Ignacio, Colorado 81137 (970)563-3308

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sur - 1805fml&1170fel / BHL-700fml&1970fel, T31N, R6W, sec-17

5. Lease Designation and Serial No.
SF-078766

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.
Rosa Unit #138B

9. API Well No.
30045 32168

10. Field and Pool, or Exploratory Area
Blanco Mesa Verde

11. County or Parish, State
San Juan, New Mexico

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent

☒ Subsequent Report

Final Abandonment

TYPE OF ACTION

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

☒ Other see below

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Williams Production Company, LLC intends to directionally drill this well from the above surface location to a BHL of 700 FNL and 1970 FEL to a TD of 6424'. Per the attached C-102, operation and directional plan. This well was originally filed as mesaverde/Dakota with a BHL of 990 FNL and 2310 FEL, sec 17, T31N, R6W.

will now be single Mesaverde.

HOLD C104 FOR Directional Survey

14. I hereby certify that the foregoing is true and correct

Signed Larry Higgins
Larry Higgins

Title Drilling C.O.M.

Date 2-27-04

(This space for Federal or State office use)

Approved by [Signature]

Title AFM

Date 8-10-04

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

NMOC

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

2004 FEB 27 PM 2:06
AMENDED REPORT

District II
PO Drawer DD, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

070 Farmington, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number	*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 17033	*Property Name ROSA UNIT	*Well Number 1388
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6367'

10 Surface Location

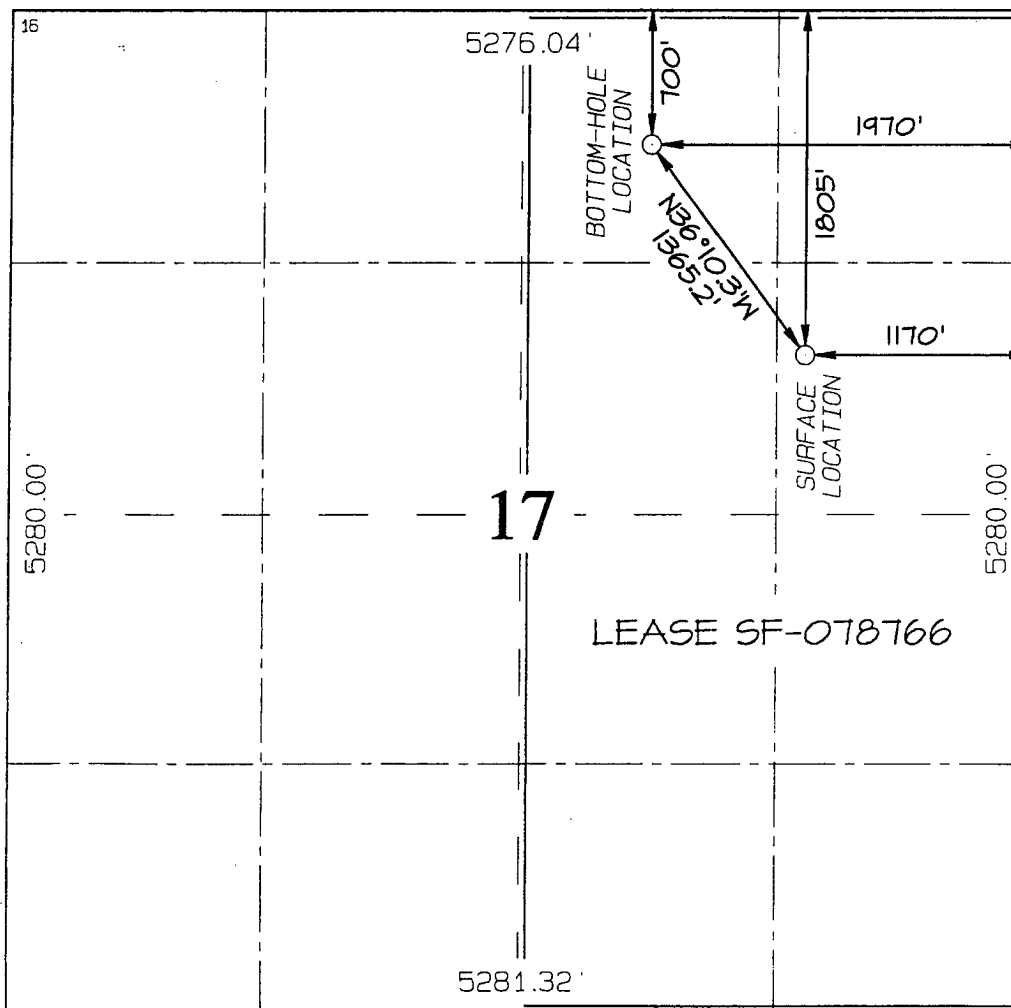
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	31N	6W		1805	NORTH	1170	EAST	SAN JUAN

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
B	17	31N	6W		700	NORTH	1970	EAST	SAN JUAN

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Printed Name

Title

Date

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

Revised: FEBRUARY 15, 2004
Date of Survey: JULY 11, 2001

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



WILLIAMS PRODUCTION COMPANY

Operations Plan

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

<u>DATE:</u>	2/20/2004	<u>FIELD:</u>	Blanco MV
<u>WELL NAME:</u>	Rosa Unit #138B	<u>SURFACE:</u>	FED
<u>BH LOCATION:</u>	SENE Sec 17-31N-6W San Juan, NM	<u>MINERALS:</u>	Fed
<u>SURF. LOCATION:</u>	SENE Sec 17-31N-6W		
<u>ELEVATION:</u>	6,367' GR	<u>LEASE #</u>	SF-078766
<u>MEASURED DEPTH:</u>	6,424'		

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Name	TVD	MD	Name	TVD	MD
Ojo Alamo	2,361	2,549	Cliff House	5,356	5,664
Kirtland	2,456	2,658	Menefee	5,401	5,709
Fruitland	2,936	3,207	Point Lookout	5,666	5,974
Picture Cliffs	3,196	3,491	Mancos	5,941	6,249
Lewis	3,516	3,822	TD	6,116	6,424

B. MUD LOGGING PROGRAM: None

C. LOGGING PROGRAM: Cased Hole Logs

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

II. DRILLING

A. **MUD PROGRAM:** Clear water with benex to 7" casing point. Convert to a LSND mud to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses. Use air w/Air Hammer from 7 in. csg.to TD.

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 rams will be tested to 1500 psi. The surface and intermediate casing strings will be pressure tested to 1500 psi in conjunction with the BOP 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	12-1/4"	+/- 250'	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 3979'	7"	20# K-55
Prod. Liner	6-1/4"	+/- 3879'-6424'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install one Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (4) joints to the surface casing. Total centralizers = (26) regular and (3) turbulent.
3. PRODUCTION CASING: 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20" bottom joint. Place marker joint above 5630'. Place one positive standoff turbolizer every other joint. Total turbolizers is 34.

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

1. SURFACE: Slurry: 150sx (205 cu.ft.) of "Type III" + 2% CaCl₂ + 1/4 # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
2. INTERMEDIATE: Lead - 505 sx (1056) cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl₂ and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail - 50_sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl₂ (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use **100% excess in Lead Slurry** to circulate to surface. **No excess in Tail Slurry.** Total volume = 1126 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
3. PRODUCTION LINER: 10 bbl Gelled Water space. Lead: 50sx (130ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, 1/4 #/sk cello flake. (Yield = 2.59 cu.ft./sk, Weight = 11.6 #/gal.). Tail: 90_sx (187 ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, 1/4 #/sk cello flake and 4% Phenoseal. (Yield = 2.15 ft³/sk, Weight = 12.3 #/gal.). Displace cement at a minimum of 8 BPM. The 20% excess in lead and tail should cover 100 ft into intermediate casing. Total volume 313 ft³. WOC 12 hours

IV COMPLETION

A. CBL

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings if cement is not circulated to surface.

B. PRESSURE TEST

1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.

C. STIMULATION

1. Perforate the Point Lookout as determined from the open hole logs.
2. Stimulate with approximately 80,000# of 20/40 sand in slick water.
3. Isolate Point Lookout with a CIBP.
4. Perforate the Menefee/Cliff House as determined from the open hole logs.
5. Stimulate with approximately 80,000# of 20/40 sand in slick water.
6. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. Mesa Verde: Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforation.


Gary Sizemore
Sr. Drilling Engineer



**Williams Production Company
New Mexico
San Juan County
Sec. 17-T31N-R06W
Rosa Unit # 138B - Plan 02/19/04**

Sperry-Sun

Proposal Report

19 February, 2004

Data Source: Information from Gary Sizemore

Proposal Ref: pro7362

Prepared by: Terry Herndon
Checked by:
Approved by:

HALLIBURTON

**Proposal Report for Sec. 17-T31N-R06W - Rosa Unit # 138B - Plan
02/19/04****Data Source: Information from Gary Sizemore**

Measured Depth (ft)	Incl. (Deg)	True Azim. (Deg)	Station Coordinates			Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
TVD (ft)	Northings (ft)	Eastings (ft)						
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00		
300.00	0.000	0.000	300.00	0.00 N	0.00 E	0.00	0.00	9 5/8" Casing
400.00	0.000	0.000	400.00	0.00 N	0.00 E	0.00	0.00	Kick-Off at 400.00ft
500.00	3.000	324.096	499.95	2.12 N	1.53 W	2.62	3.00	
600.00	6.000	324.096	599.63	8.47 N	6.14 W	10.46	3.00	
700.00	9.000	324.096	698.77	19.05 N	13.79 W	23.51	3.00	
800.00	12.000	324.096	797.08	33.81 N	24.47 W	41.74	3.00	
882.91	14.487	324.096	877.78	49.19 N	35.61 W	60.73	3.00	Build Rate = 3.00°/100ft
900.00	15.000	324.096	894.31	52.71 N	38.16 W	65.08	3.00	
1000.00	18.000	324.096	990.18	75.72 N	54.82 W	93.48	3.00	
1100.00	21.000	324.096	1084.43	102.75 N	74.39 W	126.85	3.00	
1200.00	24.000	324.096	1176.81	133.74 N	96.83 W	165.12	3.00	
1300.00	27.000	324.096	1267.06	168.61 N	122.07 W	208.16	3.00	
1365.82	28.974	324.096	1325.17	193.63 N	140.18 W	239.05	3.00	End of Build at 1365.82ft
1400.00	28.974	324.096	1355.08	207.04 N	149.89 W	255.61	0.00	
1500.00	28.974	324.096	1442.56	246.28 N	178.30 W	304.05	0.00	
1600.00	28.974	324.096	1530.05	285.52 N	206.71 W	352.49	0.00	
1700.00	28.974	324.096	1617.53	324.76 N	235.12 W	400.93	0.00	
1800.00	28.974	324.096	1705.01	363.99 N	263.52 W	449.37	0.00	
1900.00	28.974	324.096	1792.50	403.23 N	291.93 W	497.82	0.00	
2000.00	28.974	324.096	1879.98	442.47 N	320.34 W	546.26	0.00	
2100.00	28.974	324.096	1967.46	481.71 N	348.75 W	594.70	0.00	
2200.00	28.974	324.096	2054.95	520.95 N	377.16 W	643.14	0.00	
2272.90	28.974	324.096	2118.73	549.55 N	397.87 W	678.46	0.00	Hold Angle at 28.974°
2300.00	28.974	324.096	2142.43	560.19 N	405.56 W	691.58	0.00	
2400.00	28.974	324.096	2229.91	599.42 N	433.97 W	740.03	0.00	
2500.00	28.974	324.096	2317.40	638.66 N	462.38 W	788.47	0.00	
2549.84	28.974	324.096	2361.00	658.22 N	476.54 W	812.61	0.00	Ojo Alamo Ss.
2600.00	28.974	324.096	2404.88	677.90 N	490.79 W	836.91	0.00	
2658.43	28.974	324.096	2456.00	700.83 N	507.38 W	865.21	0.00	Kirtland Shale
2700.00	28.974	324.096	2492.37	717.14 N	519.19 W	885.35	0.00	
2800.00	28.974	324.096	2579.85	756.38 N	547.60 W	933.79	0.00	
2900.00	28.974	324.096	2667.33	795.61 N	576.01 W	982.24	0.00	
3000.00	28.974	324.096	2754.82	834.85 N	604.42 W	1030.68	0.00	
3100.00	28.974	324.096	2842.30	874.09 N	632.82 W	1079.12	0.00	
3179.99	28.974	324.096	2912.28	905.48 N	655.55 W	1117.87	0.00	Start Drop at 3179.99ft
3200.00	28.374	324.096	2929.83	913.25 N	661.18 W	1127.47	3.00	
3207.00	28.164	324.096	2936.00	915.94 N	663.12 W	1130.79	3.00	Fruitland Fm.
3300.00	25.374	324.096	3019.02	949.86 N	687.68 W	1172.67	3.00	
3400.00	22.374	324.096	3110.46	982.64 N	711.42 W	1213.14	3.00	
3491.64	19.625	324.096	3196.00	1009.24 N	730.67 W	1245.97	3.00	Pictured Cliffs Ss.
3500.00	19.374	324.096	3203.88	1011.50 N	732.31 W	1248.77	3.00	
3579.57	16.987	324.096	3279.47	1031.61 N	746.87 W	1273.59	3.00	Drop Rate = 3.00°/100ft
3600.00	16.374	324.096	3299.04	1036.36 N	750.31 W	1279.45	3.00	
3700.00	13.374	324.096	3395.68	1057.15 N	765.36 W	1305.12	3.00	

**Proposal Report for Sec. 17-T31N-R06W - Rosa Unit # 138B - Plan
02/19/04****Data Source: Information from Gary Sizemore**

Measured Depth (ft)	Incl. (Deg)	True Azim. (Deg)	Station Coordinates			Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
TVD (ft)	Northings (ft)	Eastings (ft)						
3800.00	10.374	324.096	3493.53	1073.82 N	777.42 W	1325.70	3.00	
3822.82	9.690	324.096	3516.00	1077.04 N	779.75 W	1329.67	3.00	Lewis Shale
3900.00	7.374	324.096	3592.32	1086.31 N	786.47 W	1341.12	3.00	
3979.14	5.000	324.096	3671.00	1093.22 N	791.47 W	1349.65	3.00	Drop to Vertical at 3979.14ft 7" Casing
4000.00	4.687	324.096	3691.78	1094.65 N	792.50 W	1351.41	1.50	
4100.00	3.187	324.096	3791.54	1100.21 N	796.53 W	1358.28	1.50	
4145.81	2.500	324.096	3837.30	1102.05 N	797.86 W	1360.55	1.50	Drop Rate = 1.50°/100ft
4200.00	1.687	324.096	3891.45	1103.65 N	799.02 W	1362.53	1.50	
4300.00	0.187	324.096	3991.43	1104.98 N	799.98 W	1364.16	1.50	
4312.48	0.000	0.000	4003.91	1104.99 N	799.99 W	1364.19	1.50	End of Drop at 4312.48ft
5344.57	0.000	0.000	5036.00	1104.99 N	799.99 W	1364.19	0.00	Cliff House Trans
5368.52	0.000	0.000	5059.96	1104.99 N	799.99 W	1364.19	0.00	Hold Angle at 0.000°
5664.57	0.000	0.000	5356.00	1104.99 N	799.99 W	1364.19	0.00	Cliff House Ss
5709.57	0.000	0.000	5401.00	1104.99 N	799.99 W	1364.19	0.00	Menefee Fm
5974.57	0.000	0.000	5666.00	1104.99 N	799.99 W	1364.19	0.00	Point Lookout Ss
6249.57	0.000	0.000	5941.00	1104.99 N	799.99 W	1364.19	0.00	Mancos Shale
6424.57	0.000	0.000	6116.00	1104.99 N	799.99 W	1364.19	0.00	Total Depth at 6424.57ft

All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Wellhead.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Wellhead and calculated along an Azimuth of 324.096° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 6424.57ft.,
The Bottom Hole Displacement is 1364.19ft., in the Direction of 324.096° (True).

Comments

Measured Depth (ft)	Station Coordinates			Comment
TVD (ft)	Northings (ft)	Eastings (ft)		
400.00	400.00	0.00 N	0.00 E	Kick-Off at 400.00ft
882.91	877.78	49.19 N	35.61 W	Build Rate = 3.00°/100ft
1365.82	1325.17	193.63 N	140.18 W	End of Build at 1365.82ft
2272.90	2118.73	549.55 N	397.87 W	Hold Angle at 28.974°
3179.99	2912.28	905.48 N	655.55 W	Start Drop at 3179.99ft
3579.57	3279.47	1031.61 N	746.87 W	Drop Rate = 3.00°/100ft
3979.14	3671.00	1093.22 N	791.47 W	Drop to Vertical at 3979.14ft
4145.81	3837.30	1102.05 N	797.86 W	Drop Rate = 1.50°/100ft
4312.48	4003.91	1104.99 N	799.99 W	End of Drop at 4312.48ft
5368.52	5059.96	1104.99 N	799.99 W	Hold Angle at 0.000°

**Proposal Report for Sec. 17-T31N-R06W - Rosa Unit # 138B - Plan
02/19/04****Data Source: Information from Gary Sizemore****Comments (Continued)**

Measured Depth (ft)	Station TVD (ft)	Coordinates Northings (ft)	Eastings (ft)	Comment
6424.57	6116.00	1104.99 N	799.99 W	Total Depth at 6424.57ft

Formation Tops

Formation Plane (Below Well Origin)			Profile		Penetration Point			Formation Name
Sub-Sea (ft)	Dip Angle	Up-Dip Dim.	Measured Depth (ft)	Vertical Depth (ft)	Sub-Sea Depth (ft)	Northings (ft)	Eastings (ft)	
-4018.00	0.000	0.000	2549.84	2361.00	-4018.00	658.22 N	476.54 W	Ojo Alamo Ss.
-3923.00	0.000	0.000	2658.43	2456.00	-3923.00	700.83 N	507.38 W	Kirtland Shale
-3443.00	0.000	0.000	3207.00	2936.00	-3443.00	915.94 N	663.12 W	Fruitland Fm.
-3183.00	0.000	0.000	3491.64	3196.00	-3183.00	1009.24 N	730.67 W	Pictured Cliffs Ss.
-2863.00	0.000	0.000	3822.82	3516.00	-2863.00	1077.04 N	779.75 W	Lewis Shale
-1343.00	0.000	0.000	5344.57	5036.00	-1343.00	1104.99 N	799.99 W	Cliff House Trans
-1023.00	0.000	0.000	5664.57	5356.00	-1023.00	1104.99 N	799.99 W	Cliff House Ss
-978.00	0.000	0.000	5709.57	5401.00	-978.00	1104.99 N	799.99 W	Menefee Fm
-713.00	0.000	0.000	5974.57	5666.00	-713.00	1104.99 N	799.99 W	Point Lookout Ss
-438.00	0.000	0.000	6249.57	5941.00	-438.00	1104.99 N	799.99 W	Mancos Shale

Casing details

From		To		Casing Detail
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	
<Surface>	<Surface>	300.00	300.00	9 5/8" Casing
<Surface>	<Surface>	3979.14	3671.00	7" Casing

HALLIBURTON

Williams Production Company
New Mexico
San Juan County

**Proposal Report for Sec. 17-T31N-R06W - Rosa Unit # 138B - Plan
02/19/04**

Data Source: Information from Gary Sizemore

Targets associated with this wellpath

Target Name	Target Entry Coordinates			Target Shape	Target Type
	TVD (ft)	Northings (ft)	Eastings (ft)		
Rosa Unit # 138B Target	3671.00	1105.00 N	800.00 W	Circle	Current Target