

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

RECEIVED
BLM

210 PARKER ST. NM

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well Gas Well X Other	5. Lease Designation and Serial No NMSF-078763
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO Box 640 Aztec, NM 87410-0640	7. If Unit or CA, Agreement Designation Rosa Unit
4. ^{5/12} Location of Well (Footage, Sec., T., R., M., or Survey Description) 1095 FSL & 1670 FWL sec 3, T31N, R5W NMPM BHL 1650 FSL + 330 FWL	8. Well Name and No. Rosa Unit#80C
	9. API Well No 30-039-29610
	10. Field and Pool, or Exploratory Area BLANCO MV
	11. County or Parish, State Rio Arriba, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment Recompletion Plugging Back Casing Repair Altering Casing	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection
X Subsequent Report	X Other <u>Single zone completion</u>	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
Final Abandonment		

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.)⁴

Williams Production Company, LLC. hereby requests authority to drill this as a Mesa Verde stand alone as per attached plat, Operations plan, and directional drilling plan.

Sundry Notice approved dated 5/17/06 for
a commingled NW/DK is hereby rescinded.

RCVD JUL 9'07

OIL CONS. DIV.

DIST. 3

HOLD 0104 FOR directional survey + NSL

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

Signed Larry Higgins
Larry Higgins

Title Drilling C.O.M.

Date 7-2-07

(This space for Federal or State office use)

Approved by [Signature]

Title Petr. Eng

Date 7/5/07

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.

NMOCD

13

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

District II
PO Drawer 00, Artesia, NM 88211-0719

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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

RECEIVED
AMENDED REPORT
210 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 80C
*OGRID No 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6259

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
N	8	31N	5W		1095	SOUTH	1670	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
L	8	31N	5W		1650	SOUTH	330	WEST	RIO ARriba

12 Dedicated Acres 320.0 Acres - (W/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 5276.04' LEASE SF-078767 LEASE SF-078763 BOTTOM HOLE 330' 1650' 1670' 1095' 5276.04' 8 1452.7' N67°40.5'W SURFACE LOCATION	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <u>Larry Higgins</u> Signature LARRY HIGGINS Printed Name DRILLING COM Title 7-2-07 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 Survey Date FEBRUARY 9, 2005 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
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WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE: 8/1/2005 **FIELD:** Blanco MV
WELL NAME: Rosa #80C **SURFACE:** BOR
SURF LOCATION: SESW Sec 8-31N-5W **MINERALS:** FED
Rio Arriba, NM
BH LOCATION: NWSW Sec 8-31N-5W
ELEVATION: 6,259' GR **LEASE #** SF-078763
MEASURED DEPTH: 6,384'

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Name	TVD	MD	Name	TVD	MD
Ojo Alamo	2,368	2,606	Cliff House	5,313	5,667
Kirtland	2,478	2,735	Menefee	5,358	5,712
Fruitland	2,868	3,190	Point Lookout	5,553	5,907
Pictured Cliffs	3,088	3,429	Mancos	5,928	6,282
Lewis	3,423	3,776	TD	6,028	6,384

B. MUD LOGGING PROGRAM: None

C. LOGGING PROGRAM: Cased Hole Logs Only

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 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 drum brakes will be inspected and tested each tour. **All tests and inspections 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"	+/- 300'	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 3,919'	7"	20# K-55
Prod. Liner	6-1/4"	+/- 3,819'-6,384'	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 (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. 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).
3. PRODUCTION LINER / CASING: 4-1/2" & 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place marker joint above 5,400'. Place centralizers as needed across selected production intervals.

C. CEMENTING:

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

1. SURFACE: Slurry: 155sx (205 cu.ft.) of "Type III" + 2% CaCl₂ + ¼ # 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 - 435 sx (900 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 - 100 sx (139cu.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 = 1,039 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface 1049.
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, ¼ #/sk cello flake. (Yield = 2.59 cu.ft./sk, Weight = 11.6 #/gal.). Tail: 100 sx (215 ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, ¼ #/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 345 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

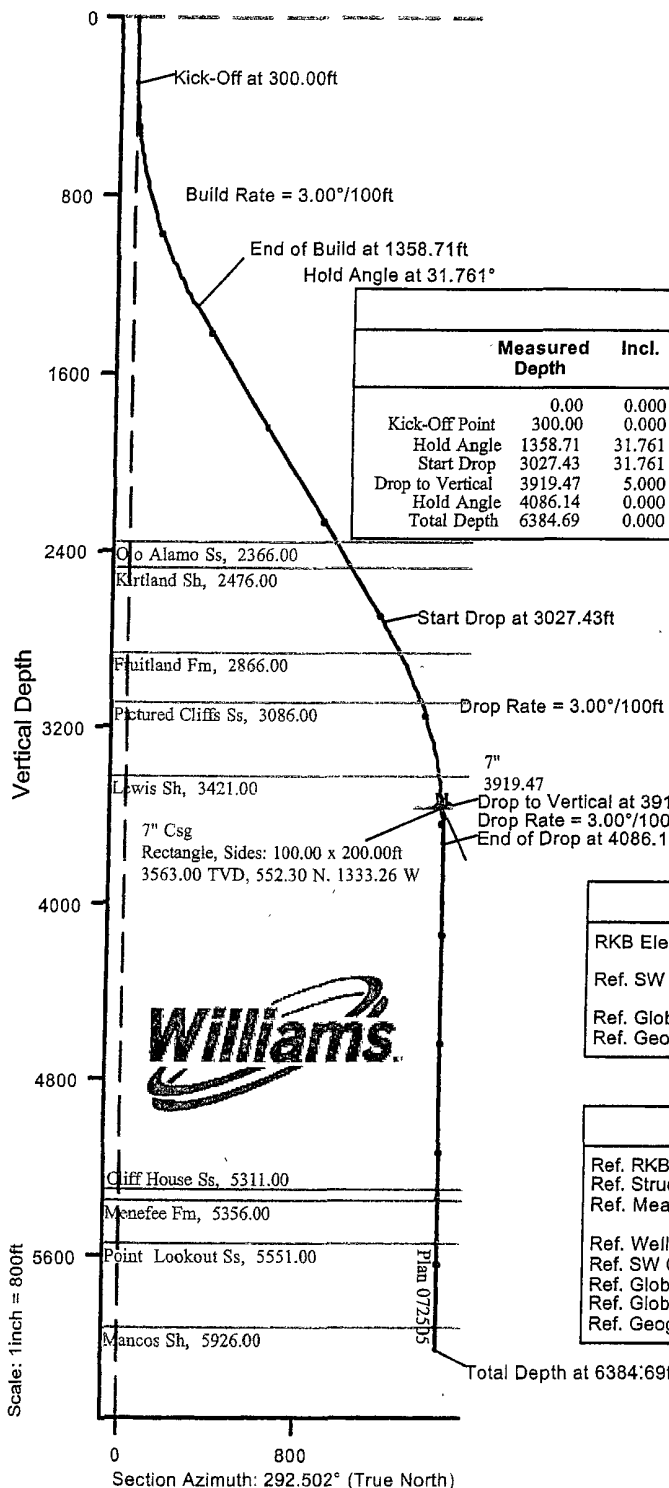
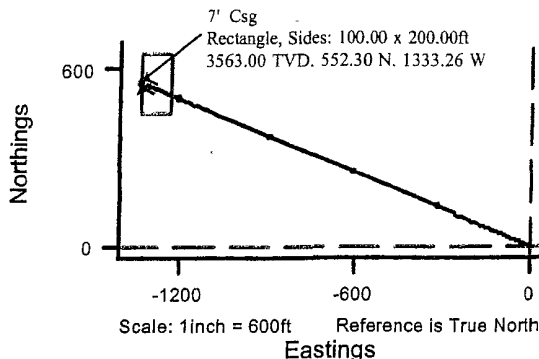
1. Perforate the Point Lookout as determined from the open hole logs.
2. Stimulate with approximately 80,000# of 20/40 sand in slick water.
3. Isolate Point Lookout with a CIBP.
4. Perforate the Menefee/Cliff House as determined from the open hole logs.
5. Stimulate with approximately 80,000# of 20/40 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
Fik Sr. Drilling Engineer

New Mexico
Rio Arriba County
Sec. 08-T31N-R05W
Rosa Unit #80C
Plan 072505



Plan 072505 Proposal Data

	Measured Depth	Incl.	Azim.	Vertical Depth	Northings	Eastings	Vertical Section	Dogleg Rate
Kick-Off Point	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
Hold Angle	1358.71	31.761	292.502	1305.32	109.46 N	264.23 W	286.01	3.00
Start Drop	3027.43	31.761	292.502	2724.14	445.62 N	1075.74 W	1164.39	0.00
Drop to Vertical	3919.47	5.000	292.502	3563.00	552.30 N	1333.26 W	1443.13	3.00
Hold Angle	4086.14	0.000	0.000	3729.46	555.08 N	1339.97 W	1450.40	3.00
Total Depth	6384.69	0.000	0.000	6028.00	555.08 N	1339.97 W	1450.40	0.00

Rosa Unit #80C Surface Location

RKB Elevation:	6271.00ft above Mean Sea Level
Ref. SW Cor Sec 8:	1095.00 N, 1670.00 E
Ref. Global Coordinates:	2150706.79 N, 630100.61 E
Ref. Geographical Coordinates:	36° 54' 35.0000" N, 107° 23' 18.0000" W

Plan 072505 Bottom Hole Location

Ref. RKB(6259'+12'KB):	6028.00ft
Ref. Structure:	6016.00ft
Ref. Mean Sea Level:	-243.00ft
Ref. Wellhead:	555.08 N, 1339.97 W (True North)
Ref. SW Cor Sec 8:	1650.00 N, 329.99 E (True North)
Ref. Global Coordinates:	2151255.62 N, 628758.06 E
Ref. Geographical Coordinates:	36° 54' 40.4888" N, 107° 23' 34.4999" W

Williams

Total Depth at 6384.69ft

Section Azimuth: 292.502° (True North)

Vertical Section

Prepared by:
Dennis Cook

Date/Time:
25 July, 2005 - 17:24

Checked:

Approved:



**Williams Production Company
New Mexico
Rio Arriba County
Sec. 08-T31N-R05W
Rosa Unit #80C - Plan 072505**

Revised: 25 July, 2005

**Halliburton Sperry-Drilling
Proposal Report**

25 July, 2005

Data Source: Mr. Gary Sizemore

Surface Coordinates: 2150706.79 N, 630100.61 E (36° 54' 35.0000" N, 107° 23' 18.0000" W)

Grid Coordinate System: NAD27 New Mexico State Planes, Western Zone

Surface Coordinates relative to Global Coordinates: 645715.67 N, 332419.84 E (Grid)

Surface Coordinates relative to SW Cor Sec 8: 1095.00 N, 1670.00 E (True)

Kelly Bushing Elevation: 6271.00ft above Mean Sea Level

Kelly Bushing Elevation: 12.00ft above Structure

Proposal Ref: pro9121

HALLIBURTON

Sperry Drilling Services

Proposal Report for Sec. 08-T31N-R05W - Rosa Unit #80C - Plan 072505
Data Source: Mr. Gary Sizemore
Revised: 25 July, 2005

Measure Depth (ft)	Incl. Angle (Deg)	Drift Direction (Deg)	True Vertical Depth (ft)	Vertical Section (ft)	Local Coordinates		Dogleg Severit (°/100ft)	Lease Calls		Global Coordinates	
					N-S (ft)	E-W (ft)		FNL-FSL (ft)	FEL-FWL (ft)	Grid Y (ft)	Grid X (ft)
0.00	0.000	0.000	0.00	0.00	0.00 N	0.00 E		1095.00 FSL	1670.00 FWL	2150706.79 N	630100.61 E
Kick-Off at 300.00ft											
300.00	0.000	0.000	300.00	0.00	0.00 N	0.00 E	0.00	1095.00 FSL	1670.00 FWL	2150706.79 N	630100.61 E
400.00	3.000	292.502	399.95	2.62	1.00 N	2.42 W	3.00	1096.01 FSL	1667.58 FWL	2150707.78 N	630098.19 E
500.00	6.000	292.502	499.63	10.46	4.00 N	9.67 W	3.00	1099.01 FSL	1660.33 FWL	2150710.75 N	630090.93 E
600.00	9.000	292.502	598.77	23.51	9.00 N	21.72 W	3.00	1104.00 FSL	1648.28 FWL	2150715.69 N	630078.84 E
700.00	12.000	292.502	697.08	41.74	15.97 N	38.56 W	3.00	1110.97 FSL	1631.44 FWL	2150722.58 N	630061.98 E
800.00	15.000	292.502	794.31	65.08	24.90 N	60.12 W	3.00	1119.91 FSL	1609.88 FWL	2150731.42 N	630040.37 E
900.00	18.000	292.502	890.18	93.48	35.77 N	86.36 W	3.00	1130.77 FSL	1583.64 FWL	2150742.16 N	630014.09 E
1000.00	21.000	292.502	984.43	126.85	48.54 N	117.20 W	3.00	1143.54 FSL	1552.80 FWL	2150754.79 N	629983.19 E
1100.00	24.000	292.502	1076.81	165.12	63.18 N	152.55 W	3.00	1158.19 FSL	1517.45 FWL	2150769.27 N	629947.77 E
1200.00	27.000	292.502	1167.06	208.16	79.65 N	192.32 W	3.00	1174.66 FSL	1477.68 FWL	2150785.56 N	629907.93 E
1300.00	30.000	292.502	1254.93	255.87	97.91 N	236.40 W	3.00	1192.91 FSL	1433.60 FWL	2150803.61 N	629863.76 E
End of Build at 1358.71ft											
1358.71	31.761	292.502	1305.32	286.01	109.44 N	264.24 W	3.00	1204.45 FSL	1405.76 FWL	2150815.02 N	629835.87 E
1400.00	31.761	292.502	1340.42	307.74	117.76 N	284.32 W	0.00	1212.76 FSL	1385.68 FWL	2150823.24 N	629815.75 E
1500.00	31.761	292.502	1425.45	360.38	137.90 N	332.95 W	0.00	1232.90 FSL	1337.05 FWL	2150843.16 N	629767.03 E
1600.00	31.761	292.502	1510.47	413.02	158.04 N	381.58 W	0.00	1253.05 FSL	1288.42 FWL	2150863.08 N	629718.30 E
1700.00	31.761	292.502	1595.50	465.65	178.18 N	430.21 W	0.00	1273.19 FSL	1239.79 FWL	2150882.99 N	629669.58 E
1800.00	31.761	292.502	1680.52	518.29	198.33 N	478.85 W	0.00	1293.33 FSL	1191.15 FWL	2150902.91 N	629620.86 E
1900.00	31.761	292.502	1765.55	570.93	218.47 N	527.48 W	0.00	1313.47 FSL	1142.52 FWL	2150922.83 N	629572.13 E
2000.00	31.761	292.502	1850.57	623.57	238.61 N	576.11 W	0.00	1333.62 FSL	1093.89 FWL	2150942.75 N	629523.41 E
2100.00	31.761	292.502	1935.59	676.21	258.75 N	624.74 W	0.00	1353.76 FSL	1045.26 FWL	2150962.67 N	629474.68 E
2200.00	31.761	292.502	2020.62	728.85	278.90 N	673.37 W	0.00	1373.90 FSL	996.63 FWL	2150982.58 N	629425.96 E

Measure Depth (ft)	Incl. Angle (Deg)	Drift Direction (Deg)	True Vertical Depth	Vertical Section (ft)	Local Coordinates		Dogleg Severit (°/100ft)	Lease Calls		Global Coordinates	
					N-S (ft)	E-W (ft)		FNL-FSL (ft)	FEL-FWL (ft)	Grid Y (ft)	Grid X (ft)
2300.00	31.761	292.502	2105.64	781.48	299.04 N	722.01 W	0.00	1394.04 FSL	947.99 FWL	2151002.50 N	629377.23 E
2400.00	31.761	292.502	2190.67	834.12	319.18 N	770.64 W	0.00	1414.18 FSL	899.36 FWL	2151022.42 N	629328.51 E
2500.00	31.761	292.502	2275.69	886.76	339.32 N	819.27 W	0.00	1434.33 FSL	850.73 FWL	2151042.34 N	629279.79 E
2600.00	31.761	292.502	2360.72	939.40	359.47 N	867.90 W	0.00	1454.47 FSL	802.10 FWL	2151062.26 N	629231.06 E
Ojo Alamo Ss											
2606.21	31.761	292.502	2366.00	942.67	360.72 N	870.92 W	0.00	1455.72 FSL	799.08 FWL	2151063.49 N	629228.04 E
2700.00	31.761	292.502	2445.74	992.04	379.61 N	916.53 W	0.00	1474.61 FSL	753.46 FWL	2151082.18 N	629182.34 E
Kirtland Sh											
2735.59	31.761	292.502	2476.00	1010.77	386.78 N	933.84 W	0.00	1481.78 FSL	736.16 FWL	2151089.26 N	629165.00 E
2800.00	31.761	292.502	2530.77	1044.68	399.75 N	965.17 W	0.00	1494.75 FSL	704.83 FWL	2151102.09 N	629133.61 E
2900.00	31.761	292.502	2615.79	1097.31	419.89 N	1013.80 W	0.00	1514.90 FSL	656.20 FWL	2151122.01 N	629084.89 E
3000.00	31.761	292.502	2700.82	1149.95	440.03 N	1062.43 W	0.00	1535.04 FSL	607.57 FWL	2151141.93 N	629036.16 E
Start Drop at 3027.43ft											
3027.43	31.761	292.502	2724.14	1164.39	445.56 N	1075.77 W	0.00	1540.56 FSL	594.23 FWL	2151147.39 N	629022.80 E
3100.00	29.584	292.502	2786.55	1201.41	459.72 N	1109.97 W	3.00	1554.73 FSL	560.03 FWL	2151161.40 N	628988.53 E
Fruitland Fm											
3190.18	26.879	292.502	2866.00	1244.06	476.05 N	1149.38 W	3.00	1571.05 FSL	520.62 FWL	2151177.54 N	628949.05 E
3200.00	26.584	292.502	2874.77	1248.48	477.74 N	1153.46 W	3.00	1572.74 FSL	516.54 FWL	2151179.21 N	628944.96 E
3300.00	23.584	292.502	2965.33	1290.87	493.96 N	1192.62 W	3.00	1588.96 FSL	477.38 FWL	2151195.25 N	628905.72 E
3400.00	20.584	292.502	3057.98	1328.46	508.34 N	1227.36 W	3.00	1603.35 FSL	442.64 FWL	2151209.48 N	628870.93 E
Pictured Cliffs Ss											
3429.84	19.689	292.502	3086.00	1338.74	512.27 N	1236.85 W	3.00	1607.28 FSL	433.15 FWL	2151213.37 N	628861.42 E
3500.00	17.584	292.502	3152.47	1361.16	520.85 N	1257.56 W	3.00	1615.86 FSL	412.44 FWL	2151221.85 N	628840.67 E
3600.00	14.584	292.502	3248.55	1388.86	531.45 N	1283.15 W	3.00	1626.46 FSL	386.85 FWL	2151232.33 N	628815.02 E
3700.00	11.584	292.502	3345.94	1411.49	540.11 N	1304.07 W	3.00	1635.12 FSL	365.93 FWL	2151240.90 N	628794.07 E
Lewis Sh											
3776.33	9.294	292.502	3421.00	1425.32	545.41 N	1316.84 W	3.00	1640.41 FSL	353.16 FWL	2151246.13 N	628781.27 E
3800.00	8.584	292.502	3444.38	1429.00	546.81 N	1320.24 W	3.00	1641.82 FSL	349.76 FWL	2151247.52 N	628777.87 E
3900.00	5.584	292.502	3543.61	1441.33	551.53 N	1331.63 W	3.00	1646.54 FSL	338.37 FWL	2151252.19 N	628766.45 E
Drop to Vertical at 3919.47ft, 7" Casing, Target - 7" Csg, Current Target											
3919.47	5.000	292.502	3563.00	1443.13	552.22 N	1333.29 W	3.00	1647.22 FSL	336.71 FWL	2151252.87 N	628764.79 E
4000.00	2.584	292.502	3643.34	1448.45	554.26 N	1338.21 W	3.00	1649.26 FSL	331.79 FWL	2151254.88 N	628759.86 E

Measure Depth (ft)	Incl. Angle (Deg)	Drift Direction (Deg)	True Vertical Depth	Vertical Section (ft)	Local Coordinates		Dogleg Severit (°/100ft)	Lease Calls		Global Coordinates	
					N-S (ft)	E-W (ft)		FNL-FSL (ft)	FEL-FWL (ft)	Grid Y (ft)	Grid X (ft)
End of Drop at 4086.14ft											
4086.14	0.000	0.000	3729.46	1450.40	555.00 N	1340.01 W	3.00	1650.00 FSL	329.99 FWL	2151255.62 N	628758.06 E
Cliff House Ss											
5667.69	0.000	0.000	5311.00	1450.40	555.00 N	1340.01 W	0.00	1650.00 FSL	329.99 FWL	2151255.62 N	628758.06 E
Menefee Fm											
5712.69	0.000	0.000	5356.00	1450.40	555.00 N	1340.01 W	0.00	1650.00 FSL	329.99 FWL	2151255.62 N	628758.06 E
Point Lookout Ss											
5907.69	0.000	0.000	5551.00	1450.40	555.00 N	1340.01 W	0.00	1650.00 FSL	329.99 FWL	2151255.62 N	628758.06 E
Mancos Sh											
6282.69	0.000	0.000	5926.00	1450.40	555.00 N	1340.01 W	0.00	1650.00 FSL	329.99 FWL	2151255.62 N	628758.06 E
Total Depth at 6384.69ft, 6.13" Open Hole											
6384.69	0.000	0.000	6028.00	1450.40	555.00 N	1340.01 W	0.00	1650.00 FSL	329.99 FWL	2151255.62 N	628758.06 E

All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB(6259°+12°KB). Northings and Eastings are relative to Wellhead.

Based upon Minimum Curvature type calculations, at a Measured Depth of 6384.69ft.,
The Bottom Hole Displacement is 1450.40ft., in the Direction of 292.502° (True).

Proposal Report for Sec. 08-T31N-R05W - Rosa Unit #80C - Plan 072505
Data Source: Mr. Gary Sizemore
Revised: 25 July, 2005

Comments

Measured Depth (ft)	Station Coordinates			Comment
	TVD (ft)	Northings (ft)	Eastings (ft)	
300.00	300.00	0.00 N	0.00 E	Kick-Off at 300.00ft
1358.71	1305.32	109.44 N	264.24 W	End of Build at 1358.71ft
3027.43	2724.14	445.56 N	1075.77 W	Start Drop at 3027.43ft
3919.47	3563.00	552.22 N	1333.29 W	Drop to Vertical at 3919.47ft
4086.14	3729.46	555.00 N	1340.01 W	End of Drop at 4086.14ft
6384.69	6028.00	555.00 N	1340.01 W	Total Depth at 6384.69ft

Formation Tops

Formation Plane (Below Well Origin)			Profile Penetration Point					Formation Name
Sub-Sea (ft)	Dip Angle	Up-Dip Dirn.	Measured Depth (ft)	Vertical Depth (ft)	Sub-Sea Depth (ft)	Northings (ft)	Eastings (ft)	
-3905.00	0.000	0.267	2606.21	2366.00	-3905.00	360.72 N	870.92 W	Ojo Alamo Ss
-3795.00	0.000	0.267	2735.59	2476.00	-3795.00	386.78 N	933.84 W	Kirtland Sh
-3405.00	0.000	0.267	3190.18	2866.00	-3405.00	476.05 N	1149.38 W	Fruitland Fm
-3185.00	0.000	0.267	3429.84	3086.00	-3185.00	512.27 N	1236.85 W	Pictured Cliffs Ss
-2850.00	0.000	0.267	3776.33	3421.00	-2850.00	545.41 N	1316.84 W	Lewis Sh

Proposal Report for Sec. 08-T31N-R05W - Rosa Unit #80C - Plan 072505
Data Source: Mr. Gary Sizemore
Revised: 25 July, 2005

Formation Tops (Continued)

Formation Plane (Below Well Origin)			Profile		Penetration Point			Formation Name
Sub-Sea (ft)	Dip Angle	Up-Dip Dirn.	Measured Depth (ft)	Vertical Depth (ft)	Sub-Sea Depth (ft)	Northings (ft)	Eastings (ft)	
-960.00	0.000	0.267	5667.69	5311.00	-960.00	555.00 N	1340.01 W	Cliff House Ss
-915.00	0.000	0.267	5712.69	5356.00	-915.00	555.00 N	1340.01 W	Menefee Fm
-720.00	0.000	0.267	5907.69	5551.00	-720.00	555.00 N	1340.01 W	Point Lookout Ss
-345.00	0.000	0.267	6282.69	5926.00	-345.00	555.00 N	1340.01 W	Mancos Sh

Casing details

From		To		Casing Detail
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	
<Surface>	<Surface>	3919.47	3563.00	7" Casing
<Surface>	<Surface>	<Run-TD>	<Run-TD>	6.13" Open Hole

Proposal Report for Sec. 08-T31N-R05W - Rosa Unit #80C - Plan 072505
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Revised: 25 July, 2005

Targets associated with this wellpath

Target Name	Target Entry Coordinates			Target Shape	Target Type
	TVD (ft)	Northings (ft)	Eastings (ft)		
7" Csg	3563.00	552.22 N	1333.30 W	Polygon	Current Target
	Mean Sea Level/Global Coordinates: -2708.00	2151252.87 N	628764.79 E		
	Geographical Coordinates:	36° 54' 40.4611" N	107° 23' 34.4172" W		

North Reference Sheet for Sec. 08-T31N-R05W - Rosa Unit #80C

Coordinate System is NAD27 New Mexico State Planes, Western Zone, US Foot
Source: Snyder, J.P., 1987, Map Projections - A Working Manual

Datum is North American Datum of 1927 (US48, AK, HI, and Canada)

Spheroid is Clarke - 1866
Equatorial Radius: 6378206.400m.
Polar Radius: 6356583.800m.
Inverse Flattening: 294.978698213901

Projection method is Transverse Mercator or Gauss Kruger Projection
Central Meridian is -107.833°
Longitude Origin: 0.000°
Latitude Origin: 31.000°
False Easting: 152400.00m
False Northing: 0.00m
Scale Reduction: 0.99991667

Grid Coordinates of Well: 2150706.79 N, 630100.61 E
Geographical Coordinates of Well: 36° 54' 35.0000" N, 107° 23' 18.0000" W
Surface Elevation of Well: 6271.00ft
Grid Convergence at Surface is +0.267°
Magnetic Declination at Surface is +10.503° (15 August, 2005)

