

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

RCVD OCT 31 '07
OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34267		*Pool Code 72319	*Pool Name BLANCO MESAVERDE	DIST. 3
*Property Code 17033	*Property Name ROSA UNIT			*Well Number 25B
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 6325'

¹⁰ Surface Location

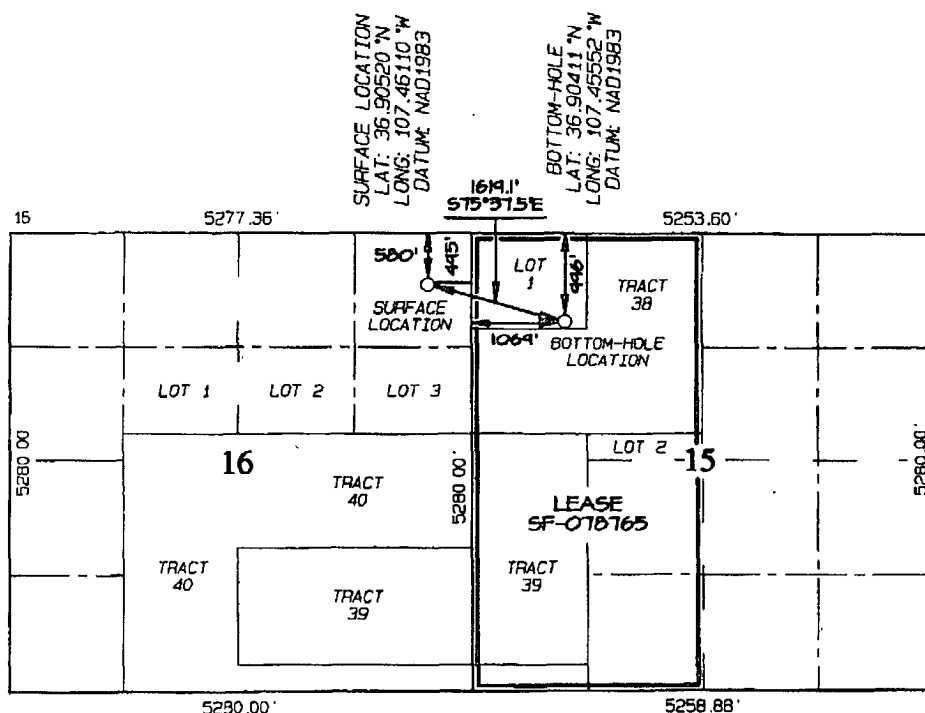
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	31N	6W		580	NORTH	495	EAST	SAN JUAN

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
D	15	31N	6W		996	NORTH	1069	WEST	SAN JUAN

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



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.

Tracy Ross 10-31-07
Signature Date
Tracy Ross
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: JANUARY 31, 2007

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

210/31



Weatherford[®]

Drilling Services

Completion

RCVD OCT 22 '07

OIL CONS. DIV.

DIST. 3



WILLIAMS PRODUCTION
ROSA UNIT #25-B
SAN JUAN COUNTY, NEW MEXICO
30-045-34267

Submitted: October 15, 2007

Weatherford International Ltd.
P.O. Box 61028
Midland, Texas 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

surface 880/N 495/E Sec 16
BHL 996/N 1069/W Sec 16

md 6530
Tvd 6113

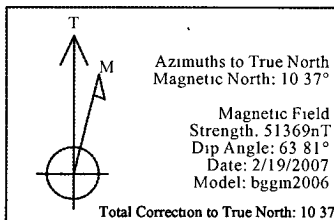
B 10/31



ROSA UNIT #25B
SEC16 T31N R6W
580' FNL, 495' FEL
SAN JUAN COUNTY, NM

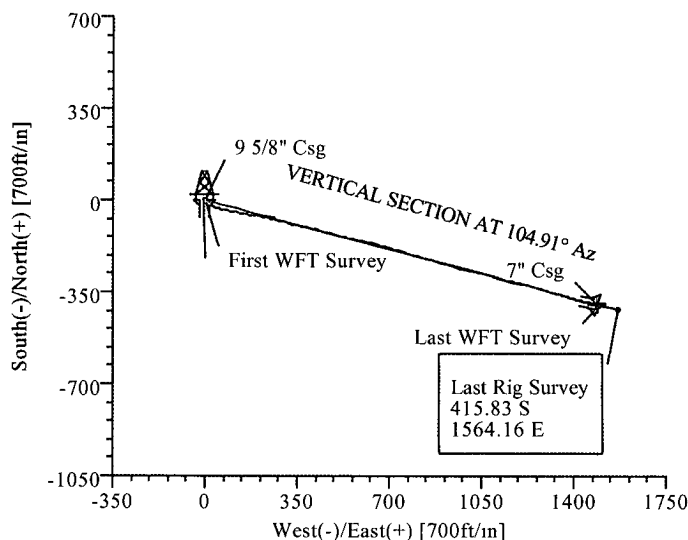
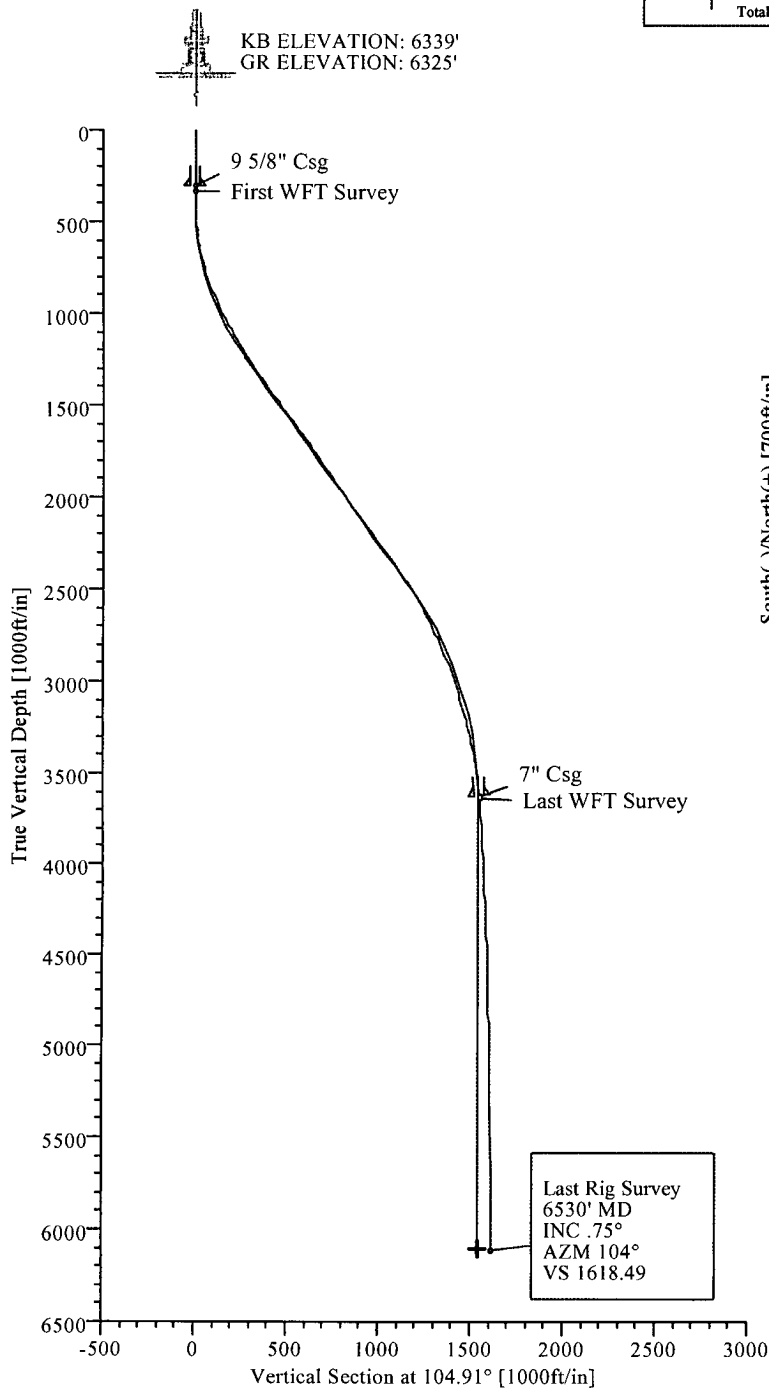
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
ROSA UNIT No 25B	0 00	0 00	2149036 01	2831927 50	36°54'18 720N	107°27'39 960W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL	6104 00	-396.60	1489.50	2148645 22	2833418.54	Point	



FIELD DETAILS	
SAN JUAN, NM	
Geodetic System	US State Plane Coordinate System 1983
Ellipsoid	GRS 1980
Zone	New Mexico, Western Zone
Magnetic Model	bggm2006
System Datum	Mean Sea Level
Local North	True North

LEGEND	
	ROSA UNIT No 25B,1,Plan #1
	WFT Surveys



Survey: WFT Surveys (ROSA UNIT No. 25B/1)
Created By: Lindsey Maddux
Date: 10/15/2007



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION	Date: 10/15/2007	Time: 16:40:15	Page: 1
Field: SAN JUAN, NM	Co-ordinate(NE) Reference: Site: ROSA UNIT 25B, True North		
Site: ROSA UNIT 25B	Vertical (TVD) Reference: SITE 6339.0		
Well: ROSA UNIT No. 25B	Section (VS) Reference: Well (0 00N,0.00E,104.91Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: SAN JUAN, NM

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: Site Centre
Geomagnetic Model: bggm2006

Site: ROSA UNIT 25B

Site Position:	Northing: 2149036.01 ft	Latitude: 36 54 18.720 N
From: Geographic	Easting: 2831927.50 ft	Longitude: 107 27 39.960 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6325.00 ft		Grid Convergence: 0 22 deg

Well: ROSA UNIT No. 25B

Slot Name:

Well Position: +N/-S 0 00 ft	Northing: 2149036.01 ft	Latitude: 36 54 18.720 N
+E/-W 0.00 ft	Easting: 2831927.50 ft	Longitude: 107 27 39.960 W
Position Uncertainty: 0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 6339.00 ft	Drilled From: Surface
Magnetic Data: 2/19/2007		Tie-on Depth: 0.00 ft
Field Strength: 51369 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 10.37 deg
ft	ft	Mag Dip Angle: 63.81 deg
		+E/-W Direction
		deg
0.00	0.00	0.00 104.91

Survey: WFT Surveys

Start Date: 7/31/2007

Company: Weatherford International, Ltd
Tool:

Engineer: Mario Lainez
Tied-to: User Defined

Survey: WFT Surveys

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	9 5/8" Csg First WFT Survey
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
336.00	0.00	0.00	336.00	0.00	0.00	0.00	0.00	0.00	0.00	
386.00	1.13	176.37	386.00	-0.49	0.03	0.16	2.26	2.26	0.00	
416.00	1.75	159.37	415.99	-1.22	0.21	0.52	2.49	2.07	-56.67	
447.00	2.63	152.87	446.96	-2.29	0.70	1.27	2.95	2.84	-20.97	
477.00	3.63	144.62	476.92	-3.68	1.57	2.46	3.65	3.33	-27.50	
508.00	4.81	137.87	507.83	-5.44	3.01	4.31	4.12	3.81	-21.77	
539.00	6.31	132.37	538.69	-7.56	5.14	6.91	5.13	4.84	-17.74	
569.00	8.06	128.62	568.45	-9.98	8.00	10.30	6.04	5.83	-12.50	
600.00	9.56	127.12	599.09	-12.89	11.75	14.67	4.89	4.84	-4.84	
630.00	11.06	122.62	628.60	-15.94	16.16	19.72	5.67	5.00	-15.00	
661.00	12.69	119.00	658.94	-19.20	21.64	25.85	5.78	5.26	-11.68	
692.00	14.00	116.12	689.10	-22.50	27.99	32.83	4.74	4.23	-9.29	
723.00	15.05	112.50	719.11	-25.69	35.07	40.50	4.48	3.39	-11.68	
752.00	16.25	109.00	747.03	-28.45	42.39	48.28	5.26	4.14	-12.07	
783.00	17.44	106.25	776.70	-31.17	50.95	57.25	4.62	3.84	-8.87	
814.00	18.88	104.75	806.16	-33.74	60.26	66.91	4.88	4.65	-4.84	
844.00	20.38	104.75	834.41	-36.31	70.01	76.99	5.00	5.00	0.00	
874.00	21.38	104.12	862.44	-38.97	80.36	87.68	3.42	3.33	-2.10	
905.00	22.69	102.62	891.18	-41.66	91.68	99.31	4.60	4.23	-4.84	
936.00	23.63	101.12	919.68	-44.16	103.61	111.48	3.58	3.03	-4.84	
966.00	24.75	99.75	947.05	-46.38	115.70	123.74	4.18	3.73	-4.57	
997.00	25.44	100.00	975.12	-48.64	128.65	136.83	2.25	2.23	0.81	



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: WILLIAMS PRODUCTION
Field: SAN JUAN, NM
Site: ROSA UNIT 25B
Well: ROSA UNIT No 25B
Wellpath: 1

Date: 10/15/2007 Time: 16 40:15 Page: 2
Co-ordinate(N/E) Reference: Site: ROSA UNIT 25B, True North
Vertical (TVD) Reference: SITE 6339.0
Section (VS) Reference: Well (0.00N,0 00E,104 91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT Surveys

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
1027.00	26.06	99.62	1002.14	-50.86	141.49	149.82	2.14	2.07	-1.27	
1059.00	27.38	100.12	1030.72	-53.33	155.67	164.15	4.18	4.12	1.56	
1091.00	27.81	100.62	1059.08	-56.00	170.25	178.92	1.53	1.34	1.56	
1122.00	28.75	100.75	1086.38	-58.72	184.68	193.57	3.04	3.03	0.42	
1154.00	29.31	101.00	1114.36	-61.65	199.93	209.06	1.79	1.75	0.78	
1186.00	29.75	100.62	1142.21	-64.61	215.42	224.79	1.49	1.37	-1.19	
1217.00	30.63	100.75	1169.00	-67.50	230.74	240.34	2.85	2.84	0.42	
1249.00	31.13	100.62	1196.46	-70.54	246.88	256.72	1.58	1.56	-0.41	
1281.00	32.00	101.37	1223.73	-73.74	263.32	273.43	2.98	2.72	2.34	
1313.00	32.81	103.87	1250.75	-77.49	280.05	290.56	4.89	2.53	7.81	
1344.00	33.63	105.37	1276.68	-81.78	296.48	307.54	3.74	2.65	4.84	
1376.00	34.81	105.62	1303.14	-86.59	313.83	325.54	3.71	3.69	0.78	
1408.00	35.19	105.00	1329.35	-91.43	331.53	343.89	1.63	1.19	-1.94	
1439.00	35.50	103.75	1354.64	-95.88	348.90	361.82	2.54	1.00	-4.03	
1471.00	35.94	103.25	1380.62	-100.24	367.07	380.50	1.65	1.37	-1.56	
1503.00	35.94	102.12	1406.53	-104.37	385.39	399.27	2.07	0.00	-3.53	
1535.00	36.31	102.12	1432.38	-108.33	403.83	418.11	1.16	1.16	0.00	
1566.00	35.69	103.37	1457.46	-112.35	421.61	436.32	3.10	-2.00	4.03	
1598.00	35.94	103.87	1483.41	-116.76	439.80	455.04	1.20	0.78	1.56	
1628.00	35.31	104.37	1507.79	-121.02	456.75	472.51	2.31	-2.10	1.67	
1660.00	35.69	104.62	1533.84	-125.67	474.74	491.09	1.27	1.19	0.78	
1692.00	36.25	104.75	1559.74	-130.44	492.92	509.89	1.77	1.75	0.41	
1723.00	37.13	104.62	1584.60	-135.13	510.84	528.41	2.85	2.84	-0.42	
1755.00	36.31	103.25	1610.25	-139.74	529.41	547.54	3.62	-2.56	-4.28	
1786.00	35.81	101.75	1635.31	-143.69	547.22	565.77	3.27	-1.61	-4.84	
1817.00	34.01	101.25	1660.73	-147.23	564.60	583.48	5.88	-5.81	-1.61	
1849.00	34.88	101.37	1687.12	-150.78	582.35	601.54	2.73	2.72	0.37	
1881.00	35.06	102.12	1713.34	-154.51	600.31	619.85	1.46	0.56	2.34	
1913.00	35.13	102.12	1739.52	-158.38	618.30	638.23	0.22	0.22	0.00	
1944.00	34.75	104.50	1764.94	-162.46	635.57	655.97	4.56	-1.23	7.68	
1976.00	34.56	104.87	1791.26	-167.07	653.17	674.17	0.89	-0.59	1.16	
2008.00	34.63	106.37	1817.60	-171.97	670.67	692.34	2.67	0.22	4.69	
2039.00	34.50	106.75	1843.13	-176.98	687.53	709.92	0.81	-0.42	1.23	
2071.00	34.38	106.62	1869.52	-182.17	704.86	728.01	0.44	-0.37	-0.41	
2103.00	34.75	106.50	1895.87	-187.35	722.27	746.15	1.18	1.16	-0.37	
2134.00	34.81	106.37	1921.34	-192.35	739.23	763.83	0.31	0.19	-0.42	
2166.00	35.25	107.12	1947.54	-197.64	756.81	782.19	1.92	1.37	2.34	
2198.00	35.25	107.37	1973.67	-203.12	774.45	800.64	0.45	0.00	0.78	
2229.00	35.75	107.12	1998.91	-208.46	791.65	818.63	1.68	1.61	-0.81	
2261.00	35.69	107.25	2024.89	-213.98	809.49	837.30	0.30	-0.19	0.41	
2290.00	35.88	106.25	2048.41	-218.86	825.73	854.24	2.12	0.66	-3.45	
2354.00	36.25	104.75	2100.15	-228.93	862.04	891.92	1.50	0.58	-2.34	
2417.00	36.56	105.37	2150.86	-238.64	898.14	929.31	0.76	0.49	0.98	
2480.00	36.38	106.37	2201.52	-248.88	934.16	966.75	0.99	-0.29	1.59	
2543.00	36.31	105.12	2252.26	-259.01	970.09	1004.08	1.18	-0.11	-1.98	
2607.00	36.13	104.25	2303.90	-268.60	1006.68	1041.89	0.85	-0.28	-1.36	
2670.00	35.69	104.75	2354.92	-277.85	1042.45	1078.84	0.84	-0.70	0.79	
2734.00	35.38	104.25	2407.00	-287.17	1078.46	1116.04	0.66	-0.48	-0.78	
2766.00	35.19	104.00	2433.12	-291.68	1096.39	1134.52	0.75	-0.59	-0.78	
2797.00	35.19	103.87	2458.46	-295.98	1113.73	1152.38	0.24	0.00	-0.42	
2861.00	31.88	103.75	2511.80	-304.42	1148.05	1187.73	5.17	-5.17	-0.19	
2892.00	31.25	104.12	2538.21	-308.33	1163.80	1203.95	2.13	-2.03	1.19	
2924.00	29.94	104.37	2565.76	-312.33	1179.59	1220.24	4.11	-4.09	0.78	



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION
Field: SAN JUAN, NM
Site: ROSA UNIT 25B
Well: ROSA UNIT No. 25B
Wellpath: 1

Date: 10/15/2007 Time: 16:40:15 Page: 3
Co-ordinate(NE) Reference: Site: ROSA UNIT 25B, True North
Vertical (TVD) Reference: SITE 6339 0
Section (VS) Reference: Well (0.00N,0.00E,104.91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT Surveys

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
2956.00	28.56	105.50	2593.68	-316.36	1194.70	1235.87	4.64	-4.31	3.53	
2988.00	27.38	105.12	2621.94	-320.32	1209.17	1250.88	3.73	-3.69	-1.19	
3019.00	27.19	105.00	2649.49	-324.02	1222.90	1265.09	0.64	-0.61	-0.39	
3051.00	25.94	104.87	2678.11	-327.70	1236.72	1279.40	3.91	-3.91	-0.41	
3083.00	25.50	105.12	2706.94	-331.30	1250.14	1293.29	1.42	-1.37	0.78	
3115.00	25.06	104.87	2735.87	-334.83	1263.34	1306.95	1.41	-1.37	-0.78	
3147.00	24.69	105.12	2764.91	-338.32	1276.34	1320.42	1.20	-1.16	0.78	
3179.00	23.94	105.50	2794.07	-341.79	1289.05	1333.59	2.39	-2.34	1.19	
3210.00	23.44	105.62	2822.45	-345.14	1301.05	1346.05	1.62	-1.61	0.39	
3242.00	22.50	106.25	2851.92	-348.56	1313.05	1358.53	3.04	-2.94	1.97	
3305.00	20.81	107.00	2910.47	-355.21	1335.33	1381.77	2.72	-2.68	1.19	
3337.00	19.81	105.25	2940.48	-358.30	1346.00	1392.87	3.66	-3.12	-5.47	
3369.00	19.25	105.37	2970.64	-361.12	1356.32	1403.57	1.75	-1.75	0.37	
3400.00	18.56	106.00	2999.97	-363.84	1365.99	1413.61	2.32	-2.23	2.03	
3432.00	17.56	106.62	3030.39	-366.62	1375.51	1423.53	3.18	-3.12	1.94	
3464.00	16.88	107.12	3060.95	-369.37	1384.57	1433.00	2.17	-2.12	1.56	
3496.00	16.31	107.50	3091.62	-372.09	1393.30	1442.13	1.81	-1.78	1.19	
3527.00	15.50	108.37	3121.43	-374.70	1401.38	1450.61	2.72	-2.61	2.81	
3559.00	15.06	105.50	3152.30	-377.16	1409.45	1459.04	2.73	-1.37	-8.97	
3591.00	14.31	101.62	3183.26	-379.07	1417.33	1467.14	3.86	-2.34	-12.12	
3622.00	14.13	100.62	3213.31	-380.54	1424.80	1474.74	0.98	-0.58	-3.23	
3654.00	13.44	103.87	3244.39	-382.15	1432.25	1482.35	3.24	-2.16	10.16	
3686.00	13.31	104.87	3275.52	-383.98	1439.42	1489.75	0.83	-0.41	3.12	
3717.00	12.94	105.12	3305.71	-385.81	1446.22	1496.79	1.21	-1.19	0.81	
3749.00	12.69	104.75	3336.91	-387.64	1453.08	1503.89	0.82	-0.78	-1.16	
3781.00	12.63	105.25	3368.13	-389.45	1459.85	1510.90	0.39	-0.19	1.56	
3813.00	11.81	106.00	3399.41	-391.27	1466.37	1517.68	2.61	-2.56	2.34	
3844.00	11.50	106.00	3429.77	-393.00	1472.39	1523.94	1.00	-1.00	0.00	
3876.00	10.31	104.87	3461.19	-394.61	1478.23	1529.99	3.78	-3.72	-3.53	
3908.00	9.00	103.25	3492.74	-395.92	1483.43	1535.36	4.18	-4.09	-5.06	
3940.00	7.50	101.37	3524.41	-396.91	1487.92	1539.94	4.76	-4.69	-5.87	
3971.00	6.06	100.75	3555.19	-397.61	1491.51	1543.60	4.65	-4.65	-2.00	
4003.00	4.81	100.50	3587.04	-398.17	1494.49	1546.62	3.91	-3.91	-0.78	
4041.07	3.85	102.66	3625.00	-398.74	1497.30	1549.49	2.57	-2.53	5.68	7" Csg
4052.00	3.57	103.50	3635.91	-398.90	1497.99	1550.19	2.57	-2.52	7.65	Last WFT Survey
5291.00	1.00	106.00	4873.82	-410.89	1545.90	1599.57	0.21	-0.21	0.20	
6530.00	0.75	104.00	6112.68	-415.83	1564.16	1618.49	0.02	-0.02	-0.16	Last Rig Survey

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
300.00	300.00	9.620	12.250	9 5/8" Csg
4041.07	3625.00	7.000	8.500	7" Csg

Annotation

MD ft	TVD ft	
336.00	336.00	First WFT Survey
4052.00	3635.91	Last WFT Survey
6530.00	6112.68	Last Rig Survey

**ROSA UNIT #25B
BLANCO MESAVERDE**

Spud: 07-26-07

Completed: 09-10-07

1st Delivery: 09-20-07

Surface Location:

580' FNL and 495' FEL
NE/4 NE/4 Sec 16(B), T31N, R06W
San Juan, NM

Bottom Hole Location:

996' FNL and 1069' FWL
NW/4 NW/4 Sec 15(D), T31N, R06W
San Juan, NM

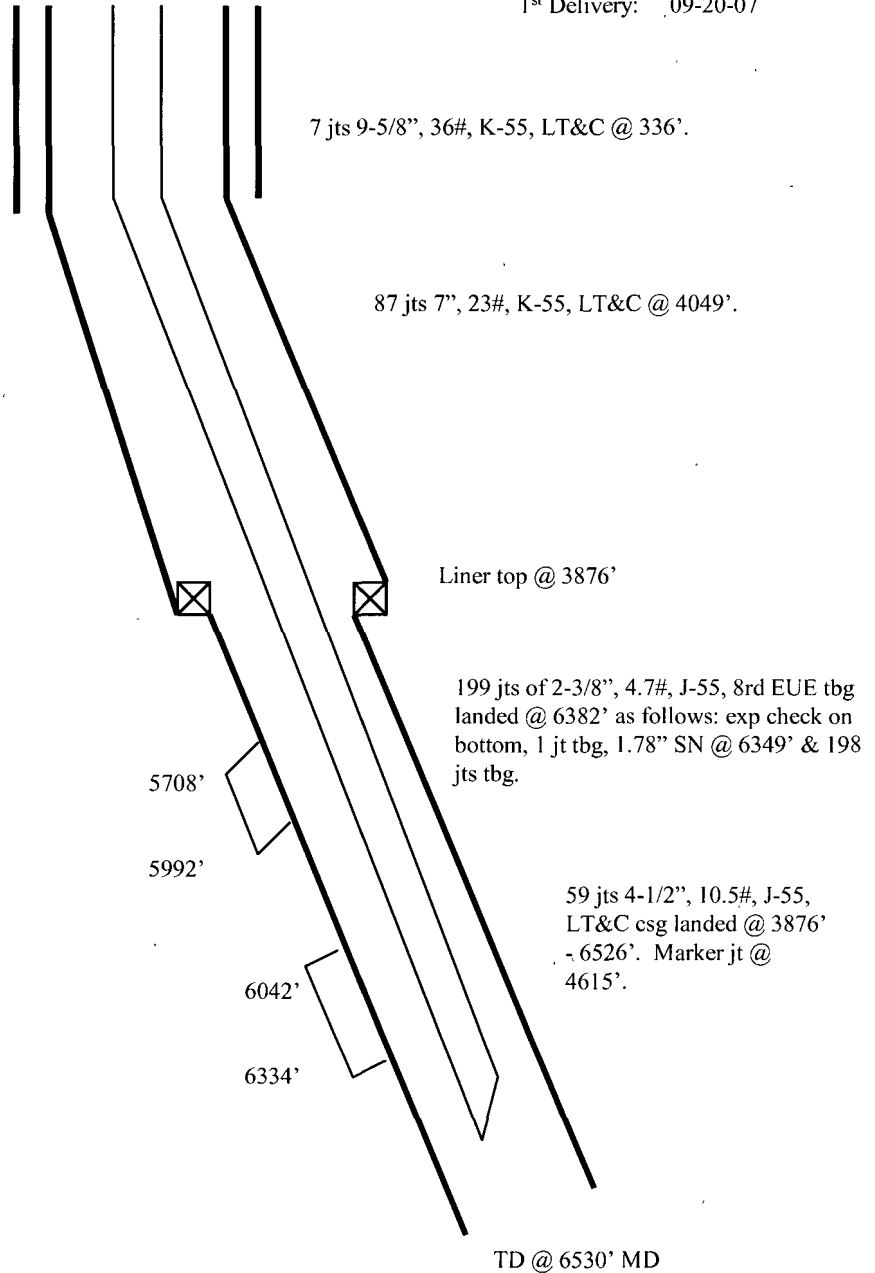
Elevation: 6325' GR 6337' KB
API # 30-045-34267

Top	MD Depth
Fruitland Coal	3298'
Pictured Cliffs	3544'
Cliffhouse	5750'
Menefee	5794'
Point Lookout	6042'

Stimulation:

CH/Menefee: 5708' – 5992' (47, 0.36" holes) Frac with 9840# 14/30 Lite Prop, 2990# 20/40 brown sand & 2268 bbls FW.

Point Lookout: 6042' – 6334' (57, 0.36" holes) Frac with 10,240# 14/30 Lite Prop, 2207# 20/40 brown sand & 2203 bbls FW.



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	180 sxs	254 cu.ft.	Surface
8-3/4"	7", 23#	600 sxs	1225 cu.ft.	Surface
6-1/4"	4-1/2", 10.5#	200 sxs	430 cu.ft.	Surface