

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

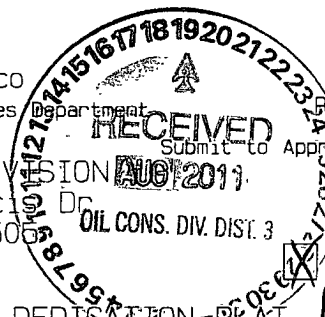
District II
1301 W Grand Avenue, Artesia, NM 88210

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
As-Ordered

WELL LOCATION AND ACREAGE DEDICATION-PLAT

*API Number 30-039-31046	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 17033	*Property Name ROSA UNIT	*Well Number 72C
*OGRID No 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6441'

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
K	6	31N	5W		1675	SOUTH	745	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
N	6	31N	5W		857	SOUTH	989	WEST	RIO ARriba

¹² Dedicated Acres 264.56 Acres - (Entire Section)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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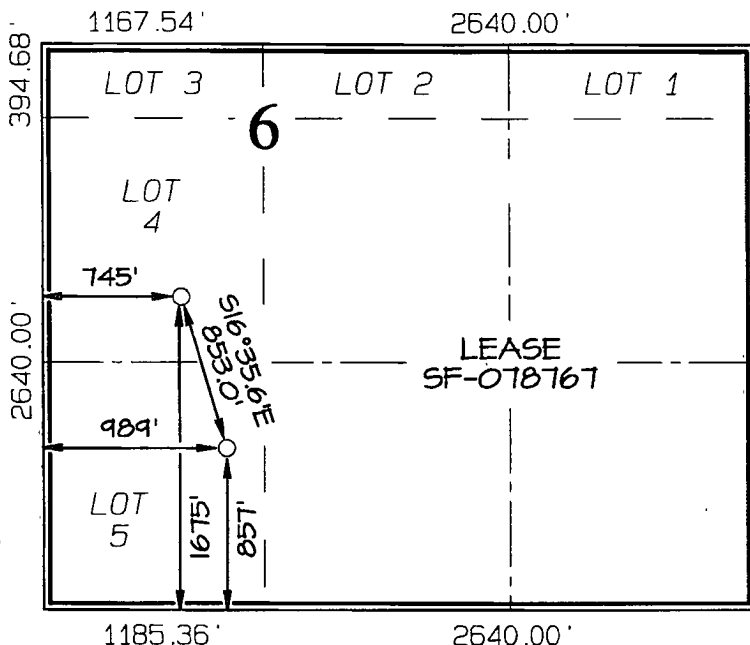
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SURFACE LOCATION
LAT: 36.92587°N
LONG: 107.40463°W
DATUM: NAD1927

LAT: 36.92588°N
LONG: 107.40523°W
DATUM: NAD1983

BOTTOM-HOLE
LAT: 36.92362°N
LONG: 107.40381°W
DATUM: NAD1927

LAT: 36.92363°N
LONG: 107.40441°W
DATUM: NAD1983



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

B Mitchell 8/19/2011
Signature Date
Ben Mitchell
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 Revised: AUGUST 11, 2011
Survey Date: SEPTEMBER 22, 2010
Signature and Seal of Professional Surveyor

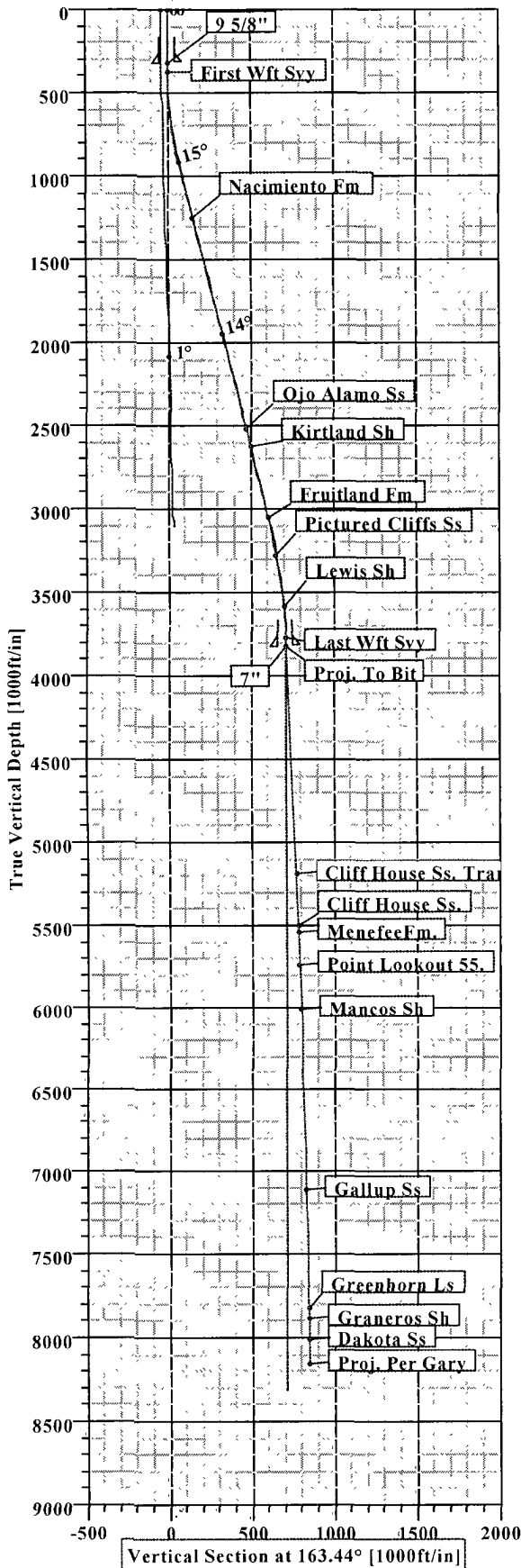


JASON C. EDWARDS
Certificate Number 15269



Rosa Unit 72C RIO ARRIBA CO. NM

KB ELEV: 6445
GL ELEV: 6442



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	163.44	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	163.44	400.00	0.00	0.00	0.00	0.00	0.00	
3	871.44	14.14	163.44	866.67	-55.49	16.50	3.00	163.44	57.89	
4	3098.86	14.14	163.44	3026.57	-577.18	171.63	0.00	0.00	602.16	
5	4041.75	0.00	163.44	3959.91	-688.16	204.63	1.50	180.00	717.94	
6	8391.84	0.00	163.44	8310.00	-688.16	204.63	0.00	0.00	717.94	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
72C	0.00	0.00	2158361.91	1302754.78	36°55'33.168N	107°24'18.828W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Pbhl	8310.00	-688.16	204.63	36°55'26.364N	107°24'16.308W	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	1255.00	1272.38	Nacimiento Fm
2	2520.00	2577.39	Ojo Alamo Ss
3	2625.00	2685.37	Kirtland Sh
4	3050.00	3122.82	Fruitland Fm
5	3285.00	3363.19	Pictured Cliffs Ss
6	3580.00	3661.29	Lewis Sh
7	5190.00	5273.18	Cliff House Ss. Trans
8	5495.00	5578.38	Cliff House Ss.
9	5540.00	5623.40	Menefee Fm.
10	5735.00	5818.52	Point Lookout 55.
11	6015.00	6098.66	Mancos Sh
12	7115.00	7199.10	Gallup Ss
13	7825.00	7909.27	Greenhorn Ls
14	7885.00	7969.28	Graneros Sh
15	8010.00	8094.30	Dakota Ss

CASING DETAILS

No.	TVD	MD	Name	Size
1	319.97	320.00	9 5/8"	9.625
2	3826.00	3908.00	7"	7.000

SITE DETAILS

Rosa Unit 72C
Site Centre Latitude: 36°55'33.168N
Longitude: 107°24'18.828W
Ground Level: 6441.00
Positional Uncertainty: 0.00
Convergence: -0.69



Azimuths to True North
Magnetic North: 9.75°

Magnetic Field
Strength: 50926nT
Dip Angle: 63.68°
Date: 8/1/2011
Model: IGRF2010

Total Correction To True North 9.75°

Survey: Wft Svy (72C/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
69	8242.00	1.00	163.44	8157.68	-817.53	243.61	0.04	180.00	853.06

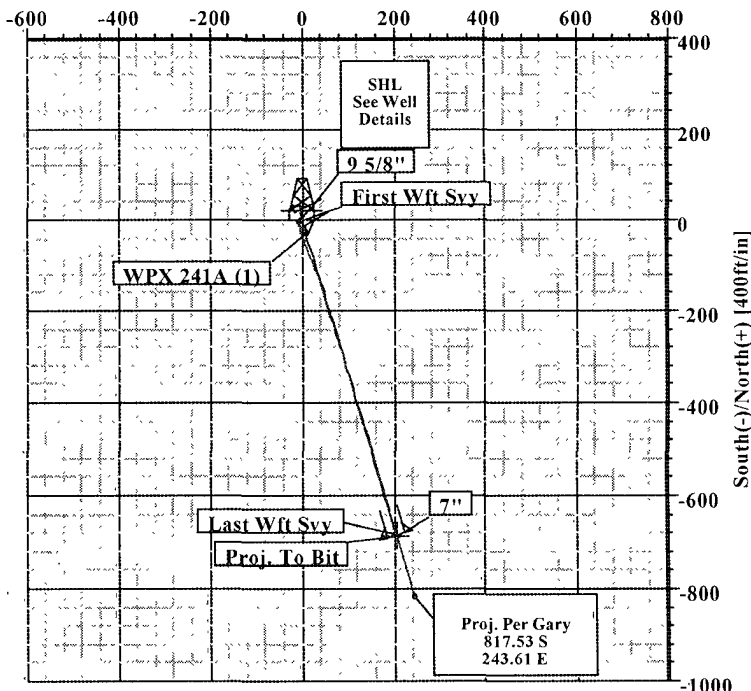


Weatherford

LEGEND

- 72C.1 Plan #2
- WPX 241A (1)
- Wft Svy

West(-)/East(+) [400ft/in]



Survey: Wft Svy (72C/1)

Created By: Russell W. Joyner

Date: 8/2/2011



Weatherford International Ltd.

WFT Survey Report Lat, Long



Weatherford

Company: Williams Production Date: 8/2/2011 Time: 11:25:42 Page: 1
 Field: RIO ARRIBA CO. NM (NAD 83) Co-ordinate(NE) Reference: Well: 72C, True North
 Site: Rosa Unit 72C Vertical (TVD) Reference: SITE 6445.0
 Well: 72C Section (VS) Reference: Well (0.00N,0.00E,163.44Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 7/12/2011
 Company: Weatherford International Ltd. Engineer: Russell W Joyner
 Tool: MWD:MWD - Standard Tied-to: From Surface

Field: RIO ARRIBA CO. NM (NAD 83)
 Map System: US State Plane Coordinate System 1983 Map Zone: New Mexico, Central Zone
 Geo Datum: GRS 1980 Coordinate System: Well Centre
 Sys Datum: Mean Sea Level Geomagnetic Model: IGRF2010

Site: Rosa Unit 72C
 Site Position: Northing: 2158361.91 ft Latitude: 36 55 33 168 N
 From: Geographic Easting: 1302754.78 ft Longitude: 107 24 18.828 W
 Position Uncertainty: 0 00 ft North Reference: True
 Ground Level: 6441 00 ft Grid Convergence: -0.69 deg

Well: 72C Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 2158361.91 ft Latitude: 36 55 33 168 N
 +E/-W 0.00 ft Easting: 1302754.78 ft Longitude: 107 24 18 828 W
 Position Uncertainty: 0 00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 6445.00 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 8/1/2011 Above System Datum: Mean Sea Level
 Field Strength: 50926 nT Declination: 9 75 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 63 68 deg
 ft ft ft Direction deg
 0 00 0.00 0.00 163 44

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	Lat	Min	Sec	Long	Min	Sec	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36	55	33 168	107	24	18 828	9 5/8" First Wft Sv
320.00	1.30	240 63	319.97	-1.78	-3.16	0.81	0.41	36	55	33 150	107	24	18.867	
374.00	1.52	240 63	373.96	-2.43	-4.32	1.10	0.41	36	55	33.144	107	24	18.881	
405.00	1.61	232 74	404.94	-2.90	-5.03	1.34	0.75	36	55	33 139	107	24	18.890	
435.00	1.88	208 13	434.93	-3.59	-5.60	1.84	2.63	36	55	33.133	107	24	18.897	
467.00	2.81	181 13	466.90	-4.83	-5.86	2.96	4.44	36	55	33 120	107	24	18 900	
498.00	3.88	169 13	497.85	-6.62	-5.68	4.73	4.11	36	55	33 103	107	24	18 898	
528.00	4.88	163 88	527.76	-8.85	-5.13	7.02	3.59	36	55	33 081	107	24	18.891	
560.00	5.63	162 75	559.63	-11.65	-4.29	9.95	2.37	36	55	33 053	107	24	18.881	
590.00	5.88	163 13	589.48	-14.53	-3.40	12.96	0.84	36	55	33 024	107	24	18 870	
621.00	5.13	168.88	620.34	-17.41	-2.68	15.92	3.00	36	55	32 996	107	24	18 861	
651.00	4.75	178 38	650.22	-19.97	-2.38	18.46	3.00	36	55	32.971	107	24	18 857	
683.00	5.94	174 50	682.08	-22.94	-2.19	21.37	3.88	36	55	32 941	107	24	18 855	
714.00	7.19	169.00	712.88	-26.44	-1.66	24.87	4.51	36	55	32 907	107	24	18 848	
744.00	8.19	164 63	742.61	-30.34	-0.74	28.88	3.86	36	55	32 868	107	24	18.837	
776.00	9.19	159.88	774.24	-34.94	0.75	33.70	3.84	36	55	32 823	107	24	18 819	
808.00	10.69	158 88	805.76	-40.11	2.69	39.21	4.72	36	55	32 771	107	24	18 795	
839.00	11.94	158 88	836.16	-45.78	4.89	45.28	4.03	36	55	32.715	107	24	18 768	
870.00	13.38	160 25	866.40	-52.15	7.25	52.06	4.74	36	55	32 652	107	24	18 739	
901.00	14.75	160 00	896.47	-59.24	9.82	59.58	4.42	36	55	32.582	107	24	18 707	
964.00	15.56	159 75	957.28	-74.70	15.48	76.01	1.29	36	55	32 429	107	24	18 637	
1027.00	15.75	158 88	1017.95	-90.60	21.49	92.97	0.48	36	55	32 272	107	24	18 563	
1090.00	16.00	159 50	1078.54	-106.71	27.61	110.16	0.48	36	55	32 113	107	24	18 488	
1152.00	14.69	159 13	1138.33	-122.06	33.40	126.52	2.12	36	55	31 961	107	24	18 417	



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: Williams Production Date: 8/2/2011 Time: 11:25:42 Page: 2
Field: RIO ARRIBA CO. NM (NAD 83) Co-ordinate(NE) Reference: Well 72C, True North
Site: Rosa Unit 72C Vertical (TVD) Reference: SITE 6445 0
Well: 72C Section (VS) Reference: Well (0.00N,0.00E,163.44Azi)
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	DLS deg/100ft	Lat Min	Sec	Long Min	Sec	Comment
1215.00	14.06	159.00	1199.36	-136.67	38.99	142.11	1.00	36	55	31.817	107	24 18 348
1279.00	14.25	162.75	1261.42	-151.45	44.11	157.74	1.46	36	55	31.671	107	24 18 285
1342.00	14.38	163.38	1322.46	-166.35	48.65	173.32	0.32	36	55	31.523	107	24 18 229
1405.00	14.63	163.13	1383.45	-181.46	53.20	189.10	0.41	36	55	31.374	107	24 18 173
1468.00	14.69	163.25	1444.40	-196.73	57.81	205.04	0.11	36	55	31.223	107	24 18 116
1531.00	15.00	163.50	1505.30	-212.19	62.43	221.18	0.50	36	55	31.070	107	24 18 059
1594.00	14.63	163.63	1566.20	-227.64	66.98	237.29	0.59	36	55	30.917	107	24 18 003
1658.00	13.06	163.00	1628.34	-242.31	71.38	252.61	2.46	36	55	30.772	107	24 17 949
1721.00	12.94	163.63	1689.73	-255.89	75.45	266.78	0.29	36	55	30.638	107	24 17 899
1784.00	13.00	163.50	1751.12	-269.45	79.45	280.92	0.11	36	55	30.504	107	24 17 850
1847.00	13.06	163.25	1812.50	-283.06	83.51	295.12	0.13	36	55	30.369	107	24 17 800
1910.00	13.75	163.38	1873.78	-297.05	87.70	309.73	1.10	36	55	30.231	107	24 17 748
1973.00	14.06	165.13	1934.94	-311.62	91.81	324.86	0.83	36	55	30.087	107	24 17 697
2035.00	14.34	164.90	1995.04	-326.31	95.74	340.07	0.46	36	55	29.942	107	24 17 649
2098.00	14.56	162.50	2056.05	-341.40	100.15	355.78	1.01	36	55	29.793	107	24 17 595
2162.00	14.69	161.88	2117.98	-356.78	105.10	371.94	0.32	36	55	29.640	107	24 17 534
2225.00	14.88	163.25	2178.89	-372.12	109.91	388.01	0.63	36	55	29.489	107	24 17 474
2287.00	15.06	163.38	2238.79	-387.46	114.51	404.03	0.30	36	55	29.337	107	24 17 418
2351.00	14.44	162.00	2300.68	-403.02	119.36	420.32	1.11	36	55	29.183	107	24 17 358
2413.00	14.31	162.38	2360.74	-417.67	124.06	435.71	0.26	36	55	29.038	107	24 17 300
2476.00	14.38	163.25	2421.77	-432.58	128.67	451.32	0.36	36	55	28.891	107	24 17 243
2539.00	14.50	163.25	2482.78	-447.63	133.20	467.03	0.19	36	55	28.742	107	24 17 188
2601.00	13.46	162.92	2542.94	-461.96	137.56	482.00	1.68	36	55	28.601	107	24 17 134
2664.00	13.44	163.50	2604.22	-475.99	141.79	496.66	0.22	36	55	28.462	107	24 17 082
2727.00	13.44	162.63	2665.49	-489.99	146.06	511.30	0.32	36	55	28.323	107	24 17 029
2790.00	13.31	163.63	2726.78	-503.94	150.29	525.87	0.42	36	55	28.185	107	24 16 977
2853.00	13.56	162.50	2788.06	-517.94	154.55	540.51	0.58	36	55	28.047	107	24 16 925
2915.00	13.56	162.88	2848.33	-531.82	158.88	555.04	0.14	36	55	27.910	107	24 16 871
2978.00	14.00	162.75	2909.52	-546.16	163.31	570.05	0.70	36	55	27.768	107	24 16 817
3041.00	14.19	162.63	2970.62	-560.80	167.88	585.39	0.31	36	55	27.623	107	24 16 761
3104.00	13.94	162.25	3031.73	-575.40	172.49	600.70	0.42	36	55	27.479	107	24 16 704
3166.00	13.63	162.88	3091.95	-589.50	176.92	615.47	0.56	36	55	27.340	107	24 16 649
3229.00	12.56	163.63	3153.31	-603.16	181.04	629.74	1.72	36	55	27.204	107	24 16 599
3291.00	10.88	163.88	3214.01	-615.25	184.56	642.34	2.71	36	55	27.085	107	24 16 555
3354.00	10.13	162.50	3275.96	-626.25	187.88	653.82	1.26	36	55	26.976	107	24 16 514
3417.00	9.44	163.13	3338.04	-636.48	191.04	664.53	1.11	36	55	26.875	107	24 16 475
3480.00	8.06	168.00	3400.30	-645.74	193.46	674.10	2.48	36	55	26.783	107	24 16 446
3543.00	8.08	167.78	3462.68	-654.39	195.32	682.91	0.06	36	55	26.698	107	24 16 423
3606.00	7.31	164.88	3525.11	-662.59	197.30	691.34	1.37	36	55	26.617	107	24 16 398
3670.00	6.44	161.63	3588.65	-669.92	199.49	698.99	1.49	36	55	26.544	107	24 16 371
3732.00	5.31	163.13	3650.33	-675.97	201.42	705.34	1.84	36	55	26.485	107	24 16 348
3794.00	3.56	163.00	3712.14	-680.55	202.82	710.13	2.82	36	55	26.439	107	24 16 330
3825.00	2.96	161.53	3743.09	-682.23	203.35	711.90	1.95	36	55	26.423	107	24 16 324
3856.00	2.63	163.44	3774.05	-683.67	203.81	713.41	1.11	36	55	26.408	107	24 16 318
3908.00	2.63	163.44	3826.00	-685.96	204.49	715.79	0.00	36	55	26.386	107	24 16 310
8242.00	1.00	163.44	8157.68	-817.53	243.61	853.06	0.04	36	55	25.085	107	24 15 828

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
320.00	319.97	9.625	12.250	9 5/8"
3908.00	3826.00	7.000	8.500	7"



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company:	Williams Production	Date:	8/2/2011	Time:	11:25:42	Page:	3
Field:	RIO ARRIBA CO NM (NAD 83)	Co-ordinate(NE) Reference:	Well: 72C True North				
Site:	Rosa Unit 72C	Vertical (TVD) Reference:	SITE 6445 0				
Well:	72C	Section (VS) Reference:	Well (0 00N,0 00E,163 44Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Annotation

MD ft	TVD ft	
374.00	373.96	First Wft Svy
3856.00	3774.05	Last Wft Svy
3908.00	3826.00	Proj. To Bit
8242.00	8157.68	Proj. Per Gary

Formations

MD ft	TVD ft	Formations	Lithology	Dip/Angle deg	Dip/Direction deg
1272.38	1255.00	Nacimiento Fm		0.00	0.00
2577.39	2520.00	Ojo Alamo Ss		0.00	0.00
2685.37	2625.00	Kirtland Sh		0.00	0.00
3122.82	3050.00	Fruitland Fm		0.00	0.00
3363.19	3285.00	Pictured Cliffs Ss		0.00	0.00
3661.29	3580.00	Lewis Sh		0.00	0.00
5273.18	5190.00	Cliff House Ss. Trans		0.00	0.00
5578.38	5495.00	Cliff House Ss.		0.00	0.00
5623.40	5540.00	Menefee Fm		0.00	0.00
5818.52	5735.00	Point Lookout 55.		0.00	0.00
6098.66	6015.00	Mancos Sh		0.00	0.00
7199.10	7115.00	Gallup Ss		0.00	0.00
7909.27	7825.00	Greenhorn Ls		0.00	0.00
7969.28	7885.00	Graneros Sh		0.00	0.00
8094.30	8010.00	Dakota Ss		0.00	0.00
	0.00	Morrison Fm		0.00	0.00