

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

5 Lease Serial No. NMSF-078767
6 If Indian, Allottee or Tribe Name
7. If Unit of CA/Agreement, Name and/or No. Rosa Unit
8 Well Name and No Rosa Unit #72C
9 API Well No 30-039-31046
10 Field and Pool or Exploratory Area Blanco Mesaverde/Basin Dakota
11. Country or Parish, State Rio Arriba, NM

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator
Williams Production Company, LLC

3a Address
PO Box 640 Aztec, NM 87410

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

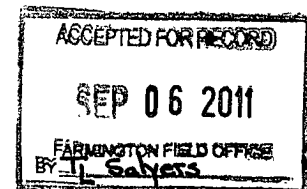
4 Location of Well (Footage, Sec., T, R, M, or Survey Description)
Surf: 1675' FSL & 745' FWL, section 6, T31N, R5W
BHL: 857' FSL & 989' FWL

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 <u>BHL ADJUSTED</u>
	☐ 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.)

Williams Production would like to update the adjusted BHL on this well. Due to surveyed data per attached As-Drilled Plat.



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

Title PERMT SUPERVISOR

RCVD SEP 6 '11
OIL CONS. DIV.

Signature

Larry Higgins

Date 8/22/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

DIST. 3

Approved by

Title

Date

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)

NMOC

District I
1525 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

*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
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY	*Elevation 6441'

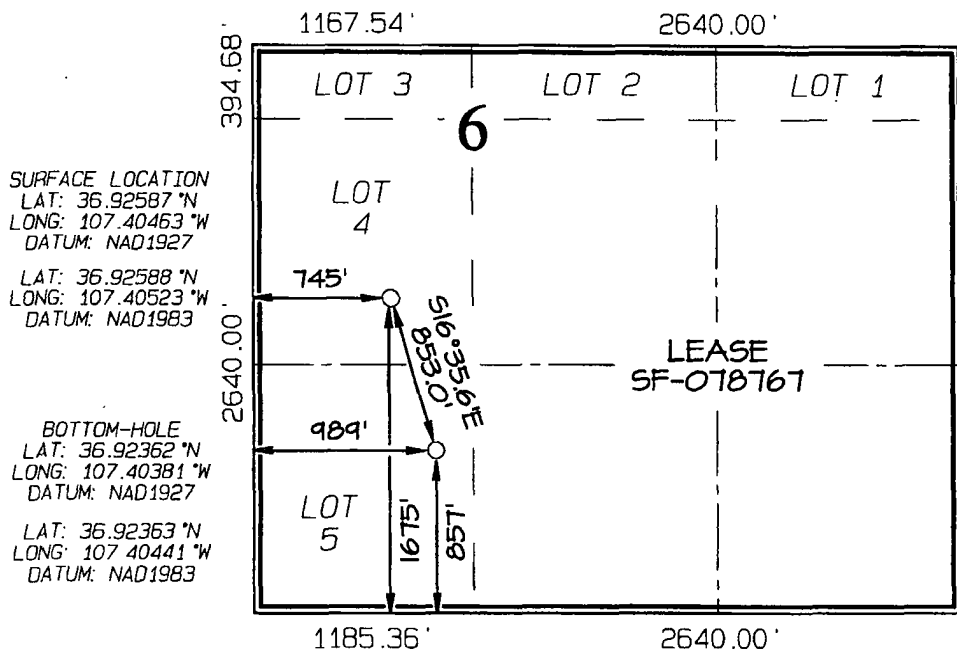
¹⁰ Surface Location

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	4	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	5	857	SOUTH	989	WEST	RIO ARriba
¹² Dedicated Acres 264.56 Acres - (Entire Section)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.		

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

Larry Higgins 8-22-11
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 Revised: AUGUST 11, 2011
Survey Date: SEPTEMBER 22, 2010
Signature and Seal of Professional Surveyor

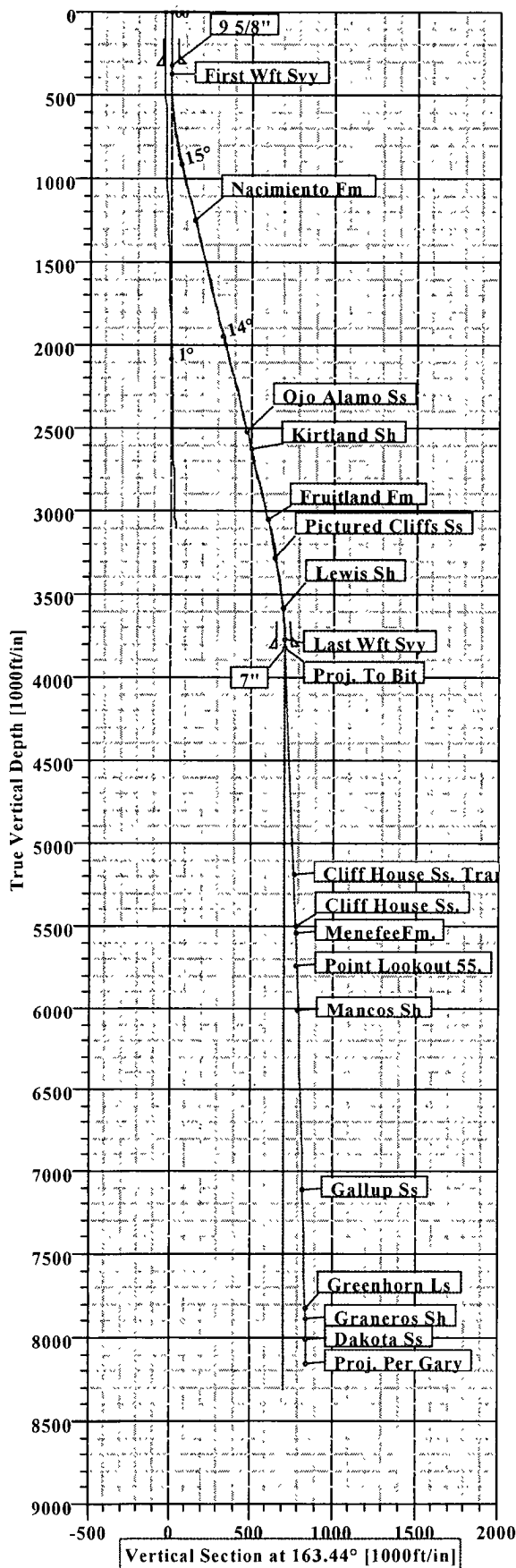


JASON C. EDWARDS
Certificate Number 15269



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

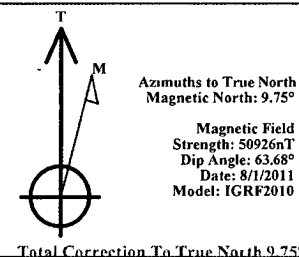
No.	TVDPath	MDPath	Formation
1	1255.00	1272.38	Nacimiento Fm
2	2520.00	2577.39	Ojo Alamo Ss
3	2625.00	2685.37	Kirtland Sh
4	3050.00	3122.82	Fruitland Fm
5	3285.00	3363.19	Pictured Cliffs Ss
6	3580.00	3661.29	Lewis Sh
7	5190.00	5273.18	Cliff House Ss. Trans
8	5495.00	5578.38	Cliff House Ss.
9	5540.00	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



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

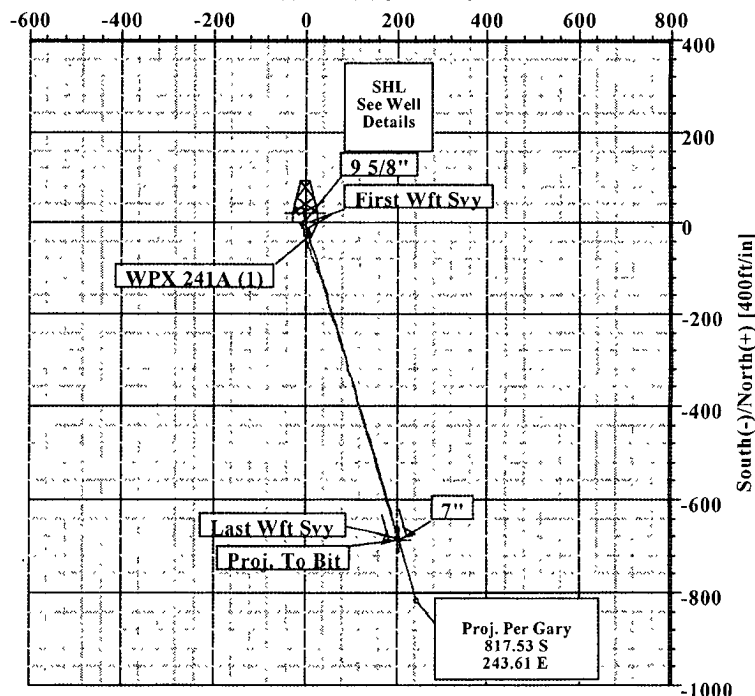


Weatherford

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;163.44Az)		
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	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) ft	Mag Dip Angle: 63.68 deg
	+N/-S ft
	+E/-W ft
	Direction deg
0.00	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	Last Wft Svy
3908.00	2.63	163.44	3826.00	-685.96	204.49	715.79	0.00	36	55	26.386	107	24	16.310	7"
8242.00	1.00	163.44	8157.68	-817.53	243.61	853.06	0.04	36	55	25.085	107	24	15.828	Proj. Per Ga

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