

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

SUBMIT IN TRIPLICATE

OCT 30 2009

1. Type of Well Oil Well Gas Well X Other	8. Well Name and No. Rosa Unit COM #169D
2. Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-039-30755
3. Address and Telephone No. PO Box 640 Aztec, NM 87410-0640	10. Field and Pool, or Exploratory Area BLANCO MV/BASIN DK/BASIN MC
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SURF. 2395' FSL & 1720' FEL BHL: 2206' FSL & 667' FEL SEC 3 31N 6W	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
X Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	X Other Completion
	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.)*

9-21-09 - MIRU AWS #266

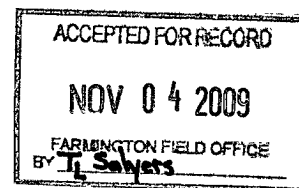
9-22-09 - Run CBL, TOC @ 5820'

9-24-09 - Test production csg to 2000# for 30 min, no leak off. DO cement & FC to PBTD @ 8250'.

9-25-09 - Move of location with AWS #266

9-27-09 - Rigless - Perf Dakota, 8054'-8236', with 132, 0.34" holes

9-29-09 - Frac Dakota with 5000# 100 mesh BASF followed with 116,300# 40/70 BASF. Set Flo-thru BP @ 7820'. Perf lower Mancos, 7316'-7598', with 93, 0.34" holes. Frac lower Mancos with 5000# 100 mesh BASF followed with 101,900# 40/70 BASF. Set Flo-thru BP @ 7270'. Perf upper Mancos, 7020'-7250', with 87, 0.34" holes. Frac upper Mancos with 5000# 100 mesh BASF followed with 103,200# 40/70 BASF



14 I hereby certify that the foregoing is true and correct

Signed Larry Higgins
Larry Higgins

Title Drilling COM Date 10-30-09

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

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.

NMCCD

Rosa Unit COM #169D – Page 2

9-30-09 – MIRU AWS #442 for Mesaverde squeeze and completion

10-7-09 – Set CBP @ 6354'. Set CBP @ 5856'. Test good. Perf 3, 0.34" squeeze holes @ 5796'

10-8-09 – Set Cement ret @ 5755'. Pump 100 sx Fracem, 13.1# followed by 100 sx Halcem, 15.6#

10-10-09 – DO cement & retainer @ 5755'. DO CBP # 5856'

10-11-09 – Run CBL from 6350' to 4300', TOC @ 4520'. Perf Mesaverde formation 6128'-6198', 5848'-5892', 5712'-5716' & 5596'-5600' and start DFIT tests

10-16-09 – Complete DFIT tests

10-17-09 – Perf lower Mesaverde, 5820-6198', with 65, 0.34" holes ✓

10-18-09 – Frac lower Mesaverde with 77,600# 20/40 mesh BASF. Set Flo-thru BP @ 5808'. Perf upper Mesaverde, 5582'-5778', with 54, 0.34" holes. Frac upper Mesaverde with 83,000# 20/40 mesh BASF ✓

10-19-09 – DO Flo-thru BP @ 5808'

10-23-09 – DO CBP @ 6534'

10-24-09 – DO flo-thru BP @ 7270' & DO Flo-thru BP @ 7820'

10-26-09 – FLOW TEST: Duration = 2 hr, Test Method, choke = 1/2", MCF/D = 4176, Csg Psi = 310 lbs, Tbg Psi = 0 psi, Gas Type = wet, Gas Disposition = non flaring

10-28-09 – Land well as follows, 2-3/8" half muleshoe, 1 jt 2-3/8" J-55 tbg, 1.780 I.D. F-nipple, 130 jts 2-3/8" 4.70# J-55 EUE tbg, & 122 jts 2-3/8" 4.70# N-80 EUE tbg, EOT @ 8044' F-nipple @ 8013' ✓

ROSA UNIT COM #169D ✓
BLANCO MV / BASIN MC / BASIN DK

Spud: 08/24/09
 Completed: 10/28/09
 1st Delivery: 0/0/00

Surface Location: ✓
 2395' FSL and 1720' FEL
 NW/4 SE/4 Sec 3 (J), T31N, R06W
 Rio Arriba, NM

Bottom Hole Location: ✓
 2206' FSL and 667' FEL
 NE/4 SE/4 Sec 3 (I), T31N, R06W
 Rio Arriba, NM

Elevation: 6355' GR
 API # 30-039-30755

Top	MD Depth	TVD Depth
Lewis	3673'	3482'
Cliffhouse Ss.	5576'	5384'
Point Lookout	5820'	5628'
Mancos	6296'	6104'
Graneros	7926'	7734'
Dakota	8053'	7861'

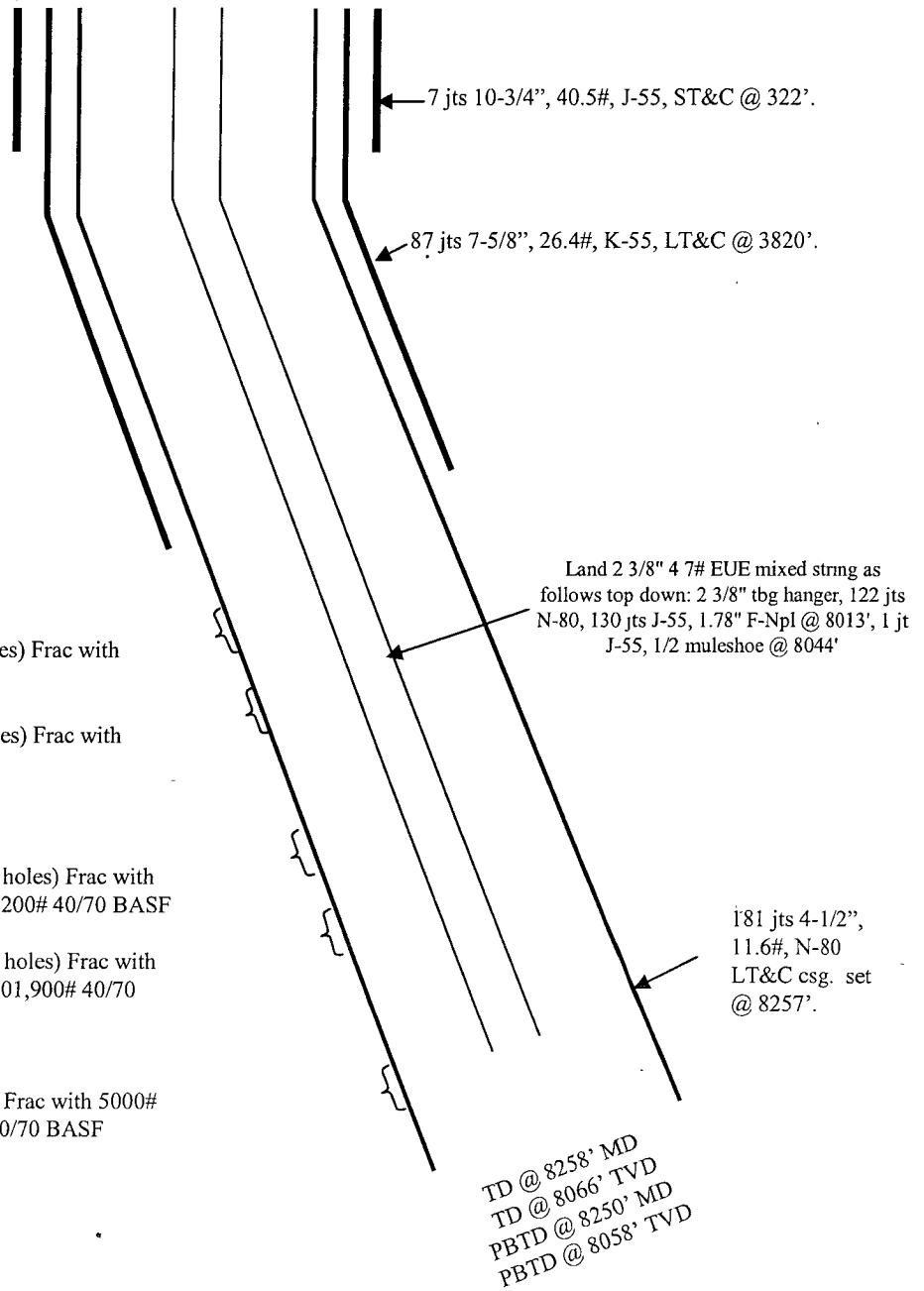
Upper MV: 5582'-5778' (54, 0.34" holes) Frac with
 83,000# 20/40 mesh BASF

Lower MV: 5820'-6198' (65, 0.34" holes) Frac with
 77,600# 20/40 mesh BASF

Upper Mancos: 7020'-7250' (87, 0.34" holes) Frac with
 5000# 100 mesh BASF followed w/103,200# 40/70 BASF

Lower Mancos: 7316'-7598' (93, 0.34" holes) Frac with
 5000# 100 mesh BASF followed with 101,900# 40/70
 BASF

Dakota: 8054'-8236' (132, 0.34" holes) Frac with 5000#
 100 mesh BASF followed w/116,300# 40/70 BASF



Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	290 sxs	521 cu.ft.	Surface
9-7/8"	7-5/8", 26.4#	595 sxs	1469 cu.ft.	Surface
6-3/4"	4-1/2", 11.6#	590 sxs	826 cu.ft.	4520' CBL



ROSA UNIT #169D
RIO ARRIBA CO., NEW MEXICO
API# 30-039-30755

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	100.33	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	100.33	400.00	0.00	0.00	0.00	0.00	0.00	
3	1001.68	24.07	100.33	984.14	-22.33	122.50	4.00	100.33	124.52	
4	2629.80	24.07	100.33	2470.72	-141.42	775.69	0.00	0.00	788.48	
5	3833.15	0.00	100.33	3639.00	-186.08	1020.69	2.00	180.00	1037.51	Int. Csg. Pt.
6	8238.15	0.00	100.33	8044.00	-186.08	1020.69	0.00	100.33	1037.51	PBHL

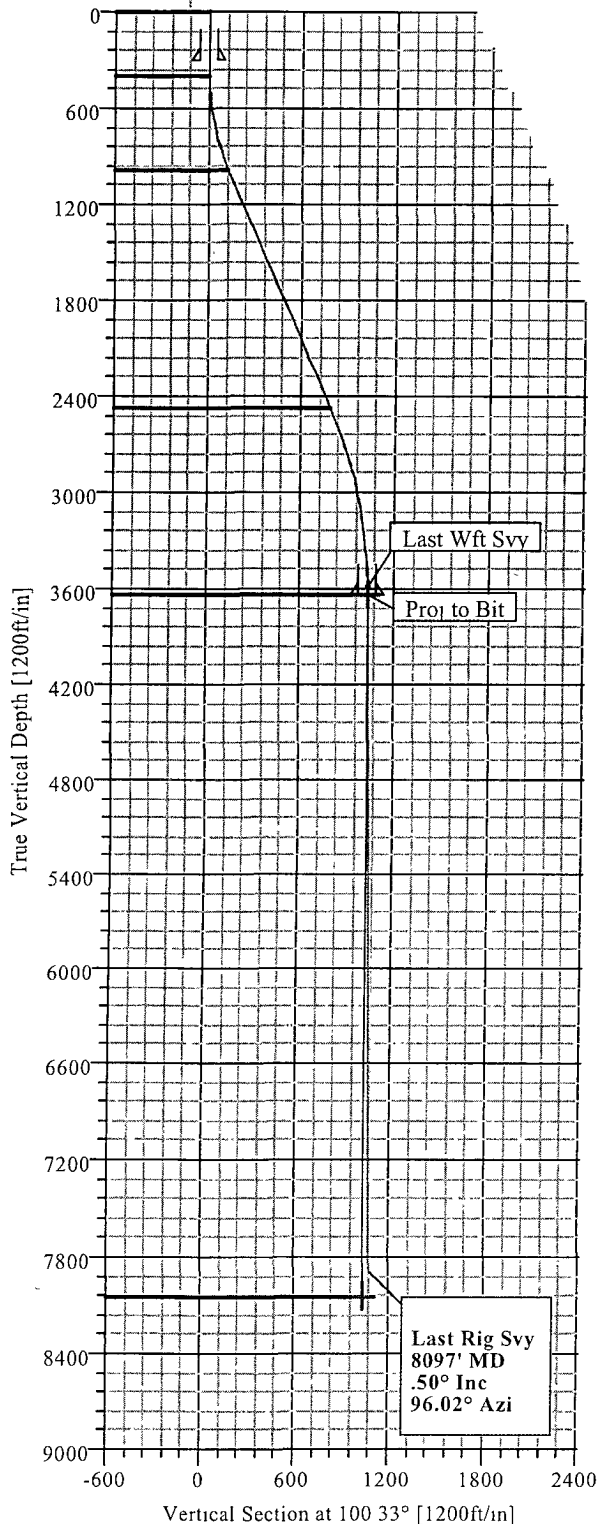
WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#169D	0.00	0.00	2159270.60	1290522.26	36°55'40.660N	107°26'49.600W	N/A

TARGET DETAILS

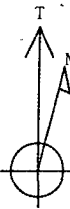
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Int. Csg. Pt.	3639.00	-186.08	1020.69	2159071.72	1291540.53	36°55'38.820N	107°26'37.030W	Point
PBHL	8044.00	-186.08	1020.69	2159071.72	1291540.53	36°55'38.820N	107°26'37.030W	Point

KB ELEV: 6369'
GR ELEV: 6355'



LEGEND

- Rosa #169 (1)
- Rosa #169A (1)
- Rosa #238 (1)
- Rosa Unit No. 238A (1)
- Plan #1



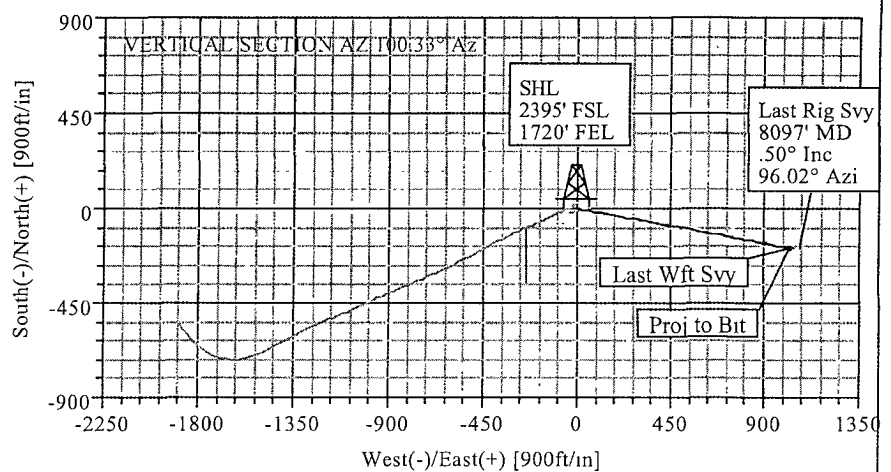
Azimuths to True North
Magnetic North: 10 04°

Magnetic Field
Strength 51177nT
Dip Angle: 63.75°
Date 4/16/2009
Model: igrf200510

Total Correction to True North 10 04°



Weatherford



FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	2389.00	2540.29	Ojo Alamo Ss.
2	2494.00	2655.24	Kirtland Sh.
3	2914.00	3100.18	Fruitland Fm.
4	3164.00	3355.94	Pictured Cliff Ss.
5	3479.00	3673.06	Lewis Sh.
6	5079.00	5273.15	Cliff House Ss. Trans.
7	5399.00	5593.15	Cliff House Ss.
8	5449.00	5643.15	Menefee Fm.
9	5634.00	5828.15	Point Lookout Ss.
10	5994.00	6188.15	Mancos Sh.
11	6994.00	7188.15	Gallup Ss.
12	7719.00	7913.15	Greenhorn Ls.
13	7779.00	7973.15	Graneros Sh.
14	7914.00	8108.15	Dakota Ss.

Plan: Plan #1 (#169D/1)

Created By: Lindsey Maddux

Date: 9/15/2009



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION	Date: 9/15/2009	Time: 12:56:19	Page: 1
Field: RIO ARRIBA CO. NM (NAD 83)	Co-ordinate(NE) Reference: Well: #169D True North		
Site: Rosa Unit #169D	Vertical (TVD) Reference: SITE 6369.0		
Well: #169D	Section (VS) Reference: Well (0.00N,0.00E,100.33Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: RIO ARRIBA CO. NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Central Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf200510

Site: Rosa Unit #169D

2395' FSL 1720' FEL of SEC 3 T31N R6W

Site Position:	Northing: 2159270.60 ft	Latitude: 36 55 40.660 N
From: Geographic	Easting: 1290522.26 ft	Longitude: 107 26 49.600 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6355.00 ft		Grid Convergence: -0.72 deg

Well: #169D

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 2159270.60 ft	Latitude: 36 55 40.660 N
+E/-W 0.00 ft	Easting: 1290522.26 ft	Longitude: 107 26 49.600 W
Position Uncertainty: 0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 6369.00 ft	Drilled From: Surface	
Magnetic Data: 4/16/2009		Tie-on Depth: 0.00 ft	
Field Strength: 51177 nT		Above System Datum: Mean Sea Level	
Vertical Section: Depth From (TVD)	+N/-S	Declination: 10.04 deg	
ft	ft	Mag Dip Angle: 63.75 deg	
		+E/-W	Direction
		ft	deg
0.00	0.00	0.00	100.33

Survey: WFT SVY

Start Date: 8/27/2009

Company: Weatherford International, Inc
Tool: MWD;MWD - Standard

Engineer: Lindsey Maddux
Tied-to: From Surface

Survey: WFT SVY

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	MWD
358.00	0.81	152.93	357.99	-2.25	1.15	1.54	0.23	0.23	0.00	MWD
389.00	1.05	164.44	388.98	-2.72	1.33	1.79	0.98	0.77	37.13	MWD
419.00	1.51	128.42	418.98	-3.23	1.71	2.26	3.01	1.53	-120.07	MWD
450.00	2.81	114.98	449.95	-3.81	2.72	3.36	4.47	4.19	-43.35	MWD
480.00	4.14	103.99	479.90	-4.38	4.44	5.15	4.94	4.43	-36.63	MWD
511.00	5.51	100.19	510.79	-4.91	6.99	7.76	4.54	4.42	-12.26	MWD
542.00	6.33	96.04	541.62	-5.36	10.15	10.95	2.98	2.65	-13.39	MWD
573.00	7.44	97.87	572.40	-5.81	13.84	14.66	3.65	3.58	5.90	MWD
602.00	8.63	95.99	601.11	-6.30	17.86	18.70	4.20	4.10	-6.48	MWD
633.00	9.56	97.24	631.72	-6.86	22.73	23.59	3.07	3.00	4.03	MWD
663.00	10.44	99.37	661.27	-7.62	27.88	28.80	3.18	2.93	7.10	MWD
694.00	11.56	100.37	691.70	-8.64	33.71	34.71	3.66	3.61	3.23	MWD
725.00	12.88	99.87	721.99	-9.79	40.17	41.27	4.27	4.26	-1.61	MWD
756.00	14.13	98.62	752.14	-10.95	47.32	48.51	4.14	4.03	-4.03	MWD
786.00	15.50	98.62	781.14	-12.10	54.90	56.18	4.57	4.57	0.00	MWD
817.00	16.49	98.49	810.94	-13.37	63.35	64.72	3.20	3.19	-0.42	MWD
847.00	17.94	98.49	839.59	-14.68	72.13	73.59	4.83	4.83	0.00	MWD
878.00	18.88	98.74	869.01	-16.14	81.81	83.38	3.04	3.03	0.81	MWD
909.00	19.19	98.24	898.31	-17.64	91.81	93.48	1.13	1.00	-1.61	MWD
939.00	20.17	98.15	926.56	-19.08	101.81	103.58	3.27	3.27	-0.30	MWD
969.00	21.13	99.24	954.63	-20.68	112.26	114.15	3.45	3.20	3.63	MWD
1000.00	22.19	100.74	983.44	-22.67	123.53	125.59	3.86	3.42	4.84	MWD
1031.00	23.31	100.49	1012.03	-24.87	135.31	137.58	3.63	3.61	-0.81	MWD



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION Date: 9/15/2009 Time: 12:56:19 Page: 2
 Field: RIO ARriba CO NM (NAD 83) Co-ordinate(NE) Reference: Well: #169D True North
 Site: Rosa Unit #169D Vertical (TVD) Reference: SITE 6369.0
 Well: #169D Section (VS) Reference: Well: (0.00N,0.00E,100.33Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT SVY

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
1061.00	24.38	99.49	1039.47	-26.98	147.26	149.71	3.81	3.57	-3.33	MWD
1093.00	24.31	97.62	1068.62	-28.94	160.30	162.89	2.42	-0.22	-5.84	MWD
1123.00	24.31	99.37	1095.96	-30.76	172.51	175.23	2.40	0.00	5.83	MWD
1154.00	24.25	100.62	1124.22	-32.97	185.07	187.98	1.67	-0.19	4.03	MWD
1185.00	24.06	101.49	1152.51	-35.41	197.52	200.66	1.30	-0.61	2.81	MWD
1216.00	23.94	101.74	1180.83	-37.94	209.87	213.27	0.51	-0.39	0.81	MWD
1247.00	24.06	100.99	1209.15	-40.43	222.23	225.88	1.06	0.39	-2.42	MWD
1278.00	24.38	98.49	1237.42	-42.58	234.76	238.59	3.47	1.03	-8.06	MWD
1310.00	24.94	97.24	1266.50	-44.40	247.99	251.93	2.39	1.75	-3.91	MWD
1341.00	24.00	99.14	1294.72	-46.23	260.70	264.76	3.95	-3.03	6.13	MWD
1373.00	23.18	100.60	1324.04	-48.42	273.31	277.56	3.15	-2.56	4.56	MWD
1403.00	23.21	101.14	1351.62	-50.65	284.91	289.38	0.72	0.10	1.80	MWD
1435.00	23.31	101.24	1381.02	-53.10	297.31	302.01	0.34	0.31	0.31	MWD
1467.00	23.50	102.49	1410.38	-55.72	309.75	314.72	1.66	0.59	3.91	MWD
1498.00	24.13	101.24	1438.75	-58.29	322.00	327.23	2.60	2.03	-4.03	MWD
1530.00	24.31	100.37	1467.93	-60.75	334.89	340.36	1.25	0.56	-2.72	MWD
1561.00	24.63	101.99	1496.14	-63.24	347.49	353.20	2.40	1.03	5.23	MWD
1593.00	24.50	101.87	1525.25	-65.99	360.51	366.50	0.44	-0.41	-0.37	MWD
1624.00	24.25	98.62	1553.49	-68.27	373.09	379.29	4.40	-0.81	-10.48	MWD
1655.00	24.44	97.99	1581.73	-70.11	385.74	392.06	1.04	0.61	-2.03	MWD
1687.00	24.44	99.12	1610.86	-72.08	398.83	405.29	1.46	0.00	3.53	MWD
1718.00	23.63	100.37	1639.17	-74.22	411.27	417.91	3.09	-2.61	4.03	MWD
1750.00	22.75	100.37	1668.59	-76.48	423.67	430.51	2.75	-2.75	0.00	MWD
1782.00	23.13	100.24	1698.06	-78.71	435.94	442.99	1.20	1.19	-0.41	MWD
1813.00	23.56	100.49	1726.52	-80.92	448.02	455.27	1.42	1.39	0.81	MWD
1845.00	24.00	99.37	1755.80	-83.15	460.73	468.17	1.97	1.37	-3.50	MWD
1877.00	24.88	100.49	1784.94	-85.43	473.77	481.41	3.11	2.75	3.50	MWD
1908.00	24.69	102.24	1813.08	-87.99	486.51	494.40	2.44	-0.61	5.65	MWD
1939.00	24.19	100.34	1841.30	-90.51	499.09	507.23	3.01	-1.61	-6.13	MWD
1971.00	24.44	99.37	1870.47	-92.76	512.07	520.40	1.47	0.78	-3.03	MWD
2002.00	23.50	101.49	1898.79	-95.04	524.45	532.99	4.11	-3.03	6.84	MWD
2033.00	23.06	102.12	1927.27	-97.54	536.45	545.24	1.63	-1.42	2.03	MWD
2065.00	23.25	103.37	1956.69	-100.32	548.72	557.81	1.65	0.59	3.91	MWD
2096.00	23.25	102.74	1985.17	-103.08	560.64	570.04	0.80	0.00	-2.03	MWD
2128.00	23.38	101.99	2014.56	-105.79	573.01	582.69	1.01	0.41	-2.34	MWD
2160.00	23.44	101.74	2043.93	-108.41	585.45	595.40	0.36	0.19	-0.78	MWD
2191.00	23.94	99.49	2072.31	-110.70	597.69	607.86	3.33	1.61	-7.26	MWD
2223.00	24.69	100.44	2101.48	-112.98	610.67	621.03	2.64	2.34	2.97	MWD
2255.00	25.81	100.37	2130.42	-115.45	624.09	634.68	3.50	3.50	-0.22	MWD
2286.00	26.44	99.87	2158.25	-117.84	637.53	648.33	2.15	2.03	-1.61	MWD
2317.00	26.06	99.12	2186.05	-120.11	651.06	662.04	1.63	-1.23	-2.42	MWD
2349.00	25.13	97.74	2214.91	-122.14	664.73	675.86	3.45	-2.91	-4.31	MWD
2380.00	24.19	99.74	2243.09	-124.10	677.51	688.78	4.05	-3.03	6.45	MWD
2411.00	23.94	98.74	2271.39	-126.13	689.99	701.42	1.54	-0.81	-3.23	MWD
2442.00	22.69	97.62	2299.86	-127.88	702.13	713.68	4.28	-4.03	-3.61	MWD
2473.00	22.25	98.12	2328.51	-129.50	713.87	725.52	1.55	-1.42	1.61	MWD
2505.00	22.06	101.12	2358.14	-131.51	725.76	737.58	3.58	-0.59	9.37	MWD
2536.00	22.13	100.37	2386.87	-133.69	737.22	749.24	0.94	0.23	-2.42	MWD
2567.00	22.51	100.24	2415.55	-135.79	748.80	761.01	1.24	1.23	-0.42	MWD
2599.00	22.94	99.99	2445.06	-137.96	760.97	773.38	1.38	1.34	-0.78	MWD
2631.00	22.77	101.01	2474.55	-140.23	773.19	785.80	1.35	-0.53	3.19	MWD
2663.00	22.25	99.37	2504.11	-142.40	785.25	798.05	2.55	-1.62	-5.12	MWD
2695.00	22.69	100.12	2533.68	-144.47	797.30	810.28	1.64	1.37	2.34	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company:	WILLIAMS PRODUCTION	Date:	9/15/2009	Time:	12:56:19	Page:	3
Field:	RIO ARRIBA CO NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #169D, True North				
Site:	Rosa Unit #169D	Vertical (TVD) Reference:	SITE 6369.0				
Well:	#169D	Section (VS) Reference:	Well (0.00N,0.00E,100.33Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

Survey: WFT SVY

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
2726.00	22.63	98.12	2562.29	-146.36	809.09	822.22	2.49	-0.19	-6.45	MWD
2757.00	22.13	98.99	2590.95	-148.12	820.76	834.02	1.93	-1.61	2.81	MWD
2788.00	22.25	99.37	2619.66	-149.98	832.32	845.73	0.60	0.39	1.23	MWD
2819.00	22.00	99.49	2648.38	-151.90	843.84	857.40	0.82	-0.81	0.39	MWD
2851.00	21.06	98.12	2678.14	-153.70	855.44	869.14	3.33	-2.94	-4.28	MWD
2883.00	20.38	101.38	2708.07	-155.61	866.60	880.45	4.18	-2.12	10.19	MWD
2914.00	19.19	102.12	2737.24	-157.74	876.87	890.94	3.92	-3.84	2.39	MWD
2946.00	18.38	101.74	2767.54	-159.87	886.95	901.24	2.56	-2.53	-1.19	MWD
2977.00	17.50	102.24	2797.03	-161.86	896.29	910.79	2.88	-2.84	1.61	MWD
3008.00	16.81	99.62	2826.65	-163.59	905.27	919.93	3.34	-2.23	-8.45	MWD
3040.00	15.88	97.74	2857.36	-164.96	914.17	928.93	3.34	-2.91	-5.87	MWD
3071.00	14.69	99.99	2887.26	-166.21	922.24	937.10	4.29	-3.84	7.26	MWD
3103.00	13.63	100.37	2918.29	-167.59	929.95	944.93	3.33	-3.31	1.19	MWD
3134.00	12.69	102.87	2948.48	-169.01	936.86	951.98	3.54	-3.03	8.06	MWD
3166.00	11.75	104.37	2979.75	-170.60	943.44	958.74	3.10	-2.94	4.69	MWD
3197.00	11.25	106.62	3010.13	-172.25	949.40	964.90	2.17	-1.61	7.26	MWD
3229.00	10.81	103.74	3041.54	-173.85	955.30	971.00	2.20	-1.37	-9.00	MWD
3293.00	9.88	97.74	3104.50	-176.02	966.58	982.47	2.22	-1.45	-9.37	MWD
3357.00	9.06	102.12	3167.63	-177.82	976.94	992.99	1.70	-1.28	6.84	MWD
3388.00	9.00	104.24	3198.24	-178.93	981.68	997.85	1.09	-0.19	6.84	MWD
3420.00	8.50	102.87	3229.87	-180.07	986.41	1002.71	1.69	-1.56	-4.28	MWD
3452.00	7.88	100.99	3261.54	-181.01	990.87	1007.27	2.11	-1.94	-5.87	MWD
3484.00	7.02	101.62	3293.27	-181.83	994.94	1011.42	2.70	-2.69	1.97	MWD
3516.00	5.50	99.24	3325.08	-182.47	998.37	1014.91	4.82	-4.75	-7.44	MWD
3548.00	4.56	97.99	3356.96	-182.89	1001.14	1017.71	2.96	-2.94	-3.91	MWD
3580.00	4.50	97.49	3388.86	-183.23	1003.65	1020.23	0.22	-0.19	-1.56	MWD
3611.00	4.38	94.49	3419.76	-183.48	1006.03	1022.63	0.84	-0.39	-9.68	MWD
3643.00	4.81	99.49	3451.66	-183.80	1008.57	1025.18	1.84	1.34	15.62	MWD
3675.00	4.75	96.37	3483.55	-184.17	1011.21	1027.85	0.83	-0.19	-9.75	MWD
3706.00	4.19	96.74	3514.46	-184.44	1013.61	1030.26	1.81	-1.81	1.19	MWD
3736.00	2.88	100.37	3544.40	-184.70	1015.44	1032.11	4.43	-4.37	12.10	MWD
3781.00	0.46	96.02	3589.38	-184.93	1016.74	1033.42	5.38	-5.38	-9.67	Last Wft Svy
3833.00	0.46	96.02	3641.37	-184.97	1017.15	1033.83	0.00	0.00	0.00	Proj to Bit
8097.00	0.50	96.02	7905.22	-188.72	1052.68	1069.45	0.00	0.00	0.00	Last Rig Svy

Annotation

MD ft	TVD ft	
3781.00	3589.38	Last Wft Svy
3833.00	3641.37	Proj to Bit
8097.00	7905.22	Last Rig Svy