

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., 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 and Natural Resources

Form C-103
 June 19, 2008

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-039-30479
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name Rosa Unit
8. Well Number 25C
9. OGRID Number 120782
10. Pool name or Wildcat Blanco MV/Basin MC/Basin DK
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6154' GR

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator
Williams Production Company, LLC.

3. Address of Operator
P.O. Box 640 - Aztec, NM 87410

4. Well Location
 Unit Letter N : 1130 feet from the South line and 1560 feet from the West line
 Section 15 Township 31N Range 6W NMPM Rio Arriba County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Due to a change of plans Williams Production Company, LLC plans to drill this well to include Blanco Mesa Verde, Basin Mancos and Basin Dakota formations. See attached C-102, operation plan and directional plan.

RCVD MAY 7 '09
 OIL CONS. DIV.

Hold C104
 for Directional Survey
 and "As Drilled" plat

HOLD C104 FOR NSL For DIST. 3
 Each pool at
 Target B, HL.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Larry Higgins TITLE: Drilling COM DATE: 5-5-09

Type or print name : Larry Higgins E-mail address: larry.higgins@williams.com PHONE: (505) 634-4208

For State Use Only

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAY 14 2009

Conditions of Approval (if any):

48

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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

¹ API Number	² Pool Code	³ Pool Name
97232 / 72319 / 71599	BASIN MANCOS / BLANCO MESAVERDE / BASIN DAKOTA	
⁴ Property Code	⁵ Property Name	⁶ Well Number
17033	ROSA UNIT	25C
⁷ GRID No.	⁸ Operator Name	⁹ Elevation
120782	WILLIAMS PRODUCTION COMPANY	6154'

¹⁰ Surface Location

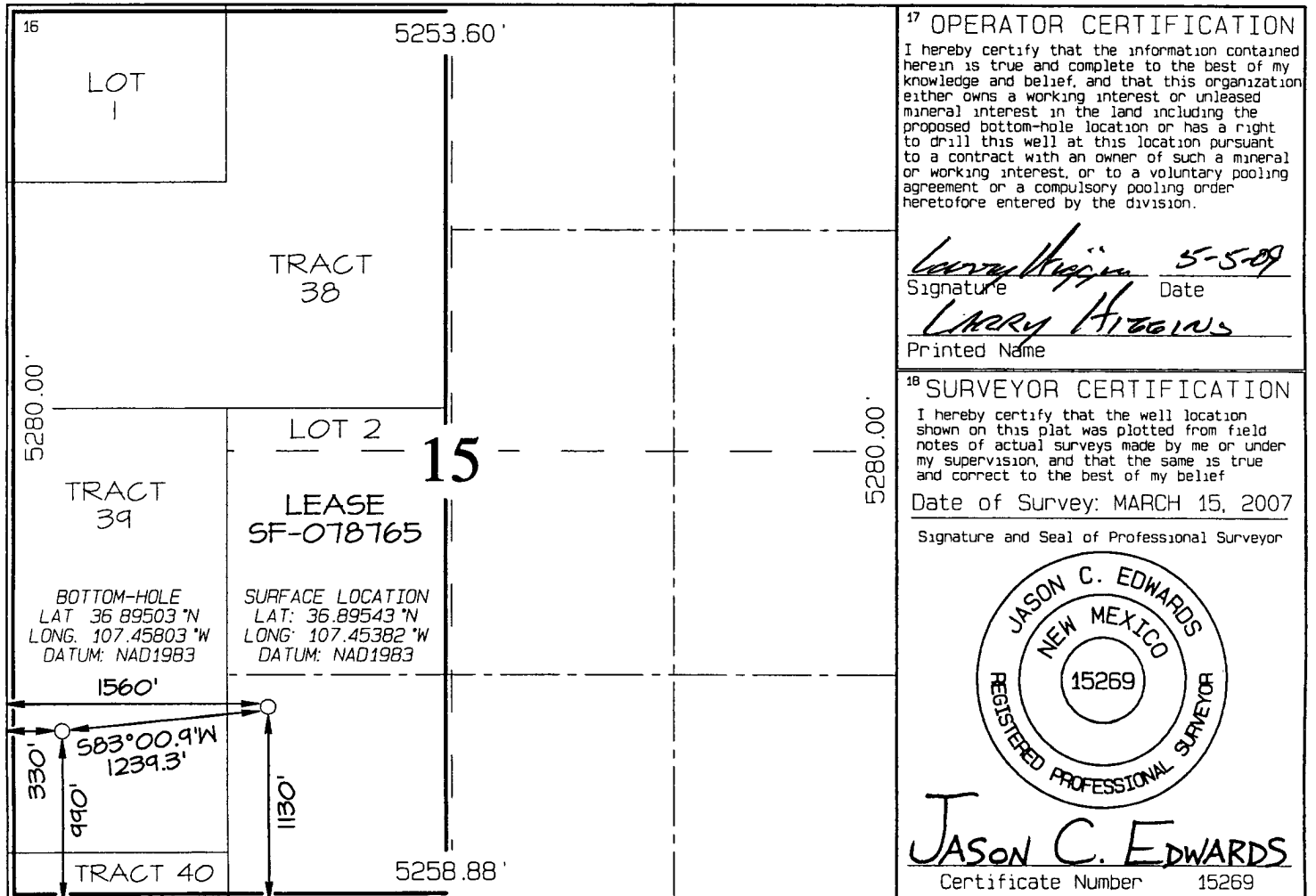
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	31N	6W		1130	SOUTH	1560	WEST	RIO ARRIBA

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
M	15	31N	6W		990	SOUTH	330	WEST	RIO ARRIBA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
320.0 Acres - (W/2)			

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

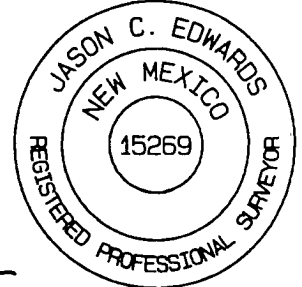
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this 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 5-5-07
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

Date of Survey: MARCH 15, 2007
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



WILLIAMS PRODUCTION COMPANY

Operations Plan

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

<u>DATE:</u>	5/5/2009	<u>FIELD:</u>	Basin DK/ Basin MC/BlancoMV
<u>WELL NAME:</u>	Rosa #25C	<u>SURFACE:</u>	BOR
<u>BH LOCATION:</u>	SWSW Sec 15-31N-6W Rio Arriba, NM	<u>MINERALS:</u>	FEE
<u>ELEVATION:</u>	6,154' GR	<u>LEASE #:</u>	FEE
<u>MEASURED DEPTH:</u>	8,323'		

I. I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Name	TVD	MD	Name	TVD	MD
Ojo Alamo	2,183	2,457	Point Lookout	5,463	5,783
Kirtland	2,303	2,589	Mancos	5,803	6,123
Fruitland	2,733	3,045	Gallup	6,773	7,093
Pictured Cliffs	2,978	3,296	Greenhorn	7,493	7,813
Lewis	3,273	3,593	Graneros	7,553	7,873
Cliff House	5,168	5,488	Dakota	7,688	8,008
Menefee	5,208	5,528	Morrison	7,923	8,243
			TD	8,003	8,323

- B. MUD LOGGING PROGRAM:** Mudlogger on location from intermediate csg to TD. Mud logger to pick TD.
- C. LOGGING PROGRAM:** HRI/Temp from intermediate casing to TD. SDL\ DSEN over zones of interest.
- 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 7-5/8" 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 7-5/8in. 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:**

CASING TYPE	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	14 3/4	300	10 3/4	40.5	K-55
Intermediate	9 7/8	3,773	7 5/8	26.4	K-55
Longstring	6 3/4	8,138	5 1/2	17	N-80

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 10 3/4" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
2. INTERMEDIATE CASING: 7 5/8" 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: 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: 290sx (521 cu.ft.) of "Type III" + 2% Cal-Seal 60 + ¼ # of poly-e-flake/sk + 0.3% Versaset + 2% Econolite + 6% Salt (Yield = 1.796 cu.ft./sk, Weight = 13.5 #/gal.). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
2. INTERMEDIATE: Lead - 525 sx (1430 cu.ft.) of "EXTENDACEM" + 5 #/sk pheno-seal + 5% Cal-Seal 60 (Yield = 2.723 cu.ft./sk, Weight = 11.5 #/gal.). Tail - 100 sx (117.8cu.ft.) of Premium cement + 0.125 #/sk Poly-E-Flake, (Yield = 1.178 cu.ft./sk, Weight = 15.6#/gal.). **NO EXCESS PUMP AS WRITTEN SHOULD CIRCULATE TO SURFACE** Total volume = 1548 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface
3. PRODUCTION CASING: 10 bbl Gelled Water spacer. Cement: 325 sx (454 ft³) of "FRACCEM" + 0.8% Halad-9 + 0.1% CFR-3 + 5 #/sk Gilsonite + 0.125 #/sk Poly-E-Flake + 0.15% HR-800. (Yield = 1.398 ft³/sk, Weight = 13.1 #/gal.). Displace cement at a minimum of 8 BPM. **NO EXCESS SHOULD COVER 150 FEET INTO 7" CASING** Total volume (454) ft³. WOC 12 hours.

IV. 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 not circulated to surface..

B. PRESSURE TEST


1. Pressure test 5-1/2" casing to 6000 psi max, hold at 1500 psi for 30 minutes.

C. STIMULATION

1. Stimulate Dakota with approximately 10,000# of LiteProp 108™ sand in slick water.
2. Isolate Dakota with a RBP.
3. Perforate Mancos as determined from the open hole logs
4. Stimulate Mancos with 3 stages of approximates 117,000# 40/70 white sand and 7500# 100 mesh white sand
5. Stimulate Point Lookout with approximately 9300# of 14/30 LiteProp™ in slick water.
6. Isolate Point Lookout with a RBP.
7. Perforate the Menefee/Cliff House as determined from the open hole logs.
8. Stimulate with approximately 9300# of 14/30 LiteProp™ in slick water.
9. Test each zone before removing bridge plugs.

D. RUNNING TUBING

1. Production Tubing: 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


FOR Gary Sizemore
Sr. Drilling Engineer



Weatherford[®]

Drilling Services

PROPOSAL



WILLIAMS PRODUCTION COMPANY
ROSA UNIT #25-C
RIO ARRIBA COUNTY, NEW MEXICO
WELL FILE: **PLAN 2**

Submitted: April 09, 2009

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



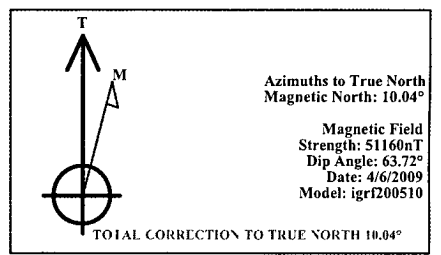
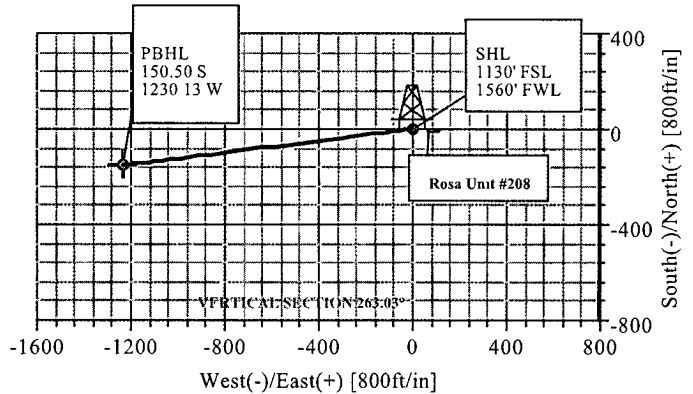
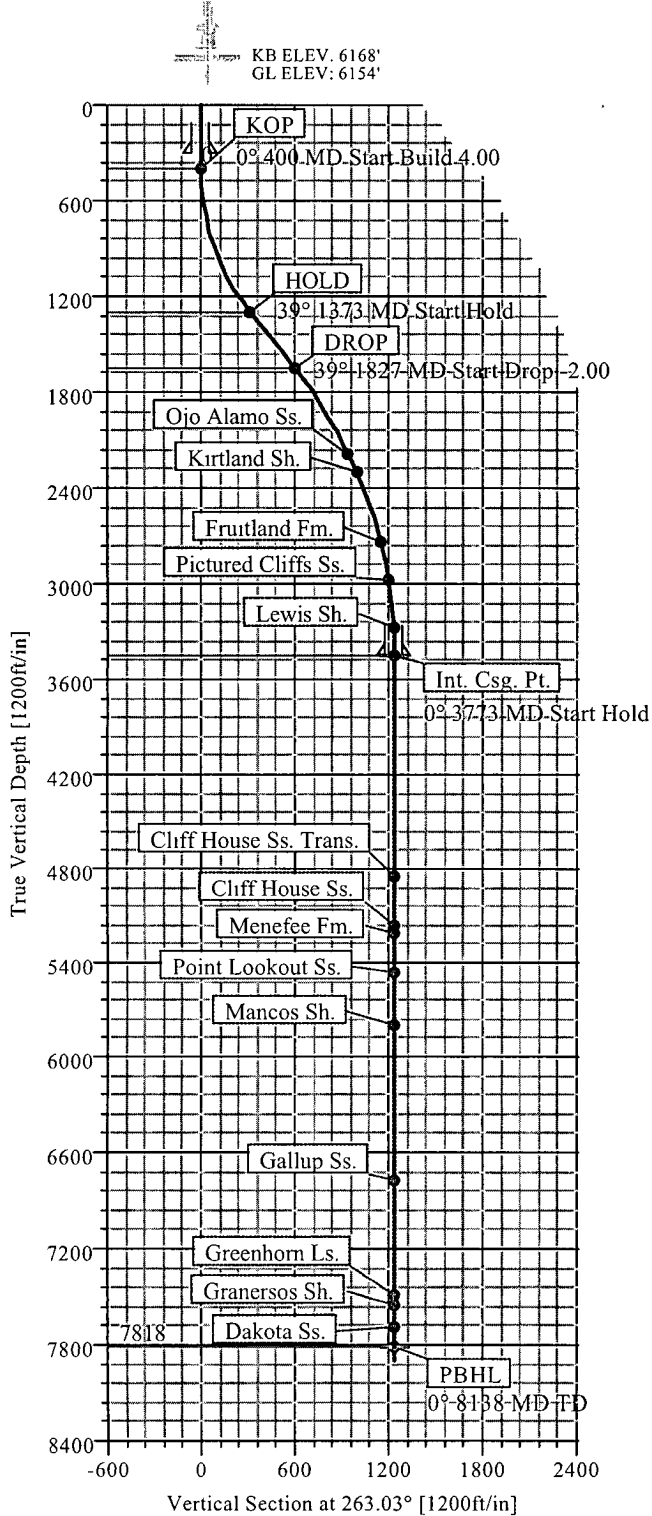
**ROSA UNIT #25-C
RIO ARRIBA CO., NEW MEXICO**

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	263 03	0 00	0 00	0 00	0 00	0 00	0 00	
2	400 00	0 00	263 03	400 00	0 00	0 00	0 00	0 00	0 00	
3	1373 24	38 93	263 03	1300 07	-38 63	-315 75	4 00	263 03	318 11	
4	1826 76	38 93	263 03	1652 86	-73 24	-598 62	0 00	0 00	603 08	
5	3773 24	0 00	263 03	3453 00	-150 50	-1230 13	2 00	180 00	1239 30	Int Csg Pt
6	8138 24	0 00	263 03	7818 00	-150 50	-1230 13	0 00	263 03	1239 30	P2

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#25C	0 00	0 00	2145487 47	2834070 11	36°53'43 548N	107°27'13 752W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Int Csg Pt	3453 00	-150 50	-1230 13	36°53'42 060N	107°27'28 897W	Point
P2	7818 00	-150 50	-1230 13	36°53'42 060N	107°27'28 897W	Point

CASING DETAILS				
No	TVD	MD	Name	Size
1	300 00	300 00	10 3/4"	10 750
2	3453 00	3773 24	7 5/8" Int. Csg	7 000



FIELD DETAILS	
Rio Arriba County (NAD 83)	
Geodetic System	US State Plane Coordinate System 1983
Ellipsoid	GRS 1980
Zone	New Mexico, Western Zone
Magnetic Model	igrf200510
System Datum	Mean Sea Level
Local North	True North

SITE DETAILS	
Rosa Unit #25C	
1130' FSL 1560' FWL OF SEC 15 T 31N R 6W	
Site Centre Latitude	36°53'43 548N
Longitude	107°27'13 752W
Ground Level	6154 00
Positional Uncertainty	0 00
Convergence	0 23

FORMATION TOP DETAILS			
No	TVDPath	MDPath	Formation
1	2183 00	2457 46	Ojo Alamo Ss
2	2303 00	2589 87	Kirtland Sh
3	2733 00	3045 43	Fruitland Fm
4	2978 00	3296 03	Pictured Cliffs Ss
5	3273 00	3593 12	Lewis Sh
6	4853.00	5173.24	Cliff House Ss Trans
7	5168 00	5488 24	Cliff House Ss
8	5208 00	5528 24	Menefee Fm
9	5463 00	5783 24	Point Lookout Ss
10	5803 00	6123 24	Mancos Sh
11	6773 00	7093 24	Gallup Ss
12	7493 00	7813 24	Greenhorn Ls
13	7553 00	7873 24	Graneros Sh
14	7688 00	8008 24	Dakota Ss





Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: WILLIAMS PRODUCTION Field: Rio Arriba County (NAD 83) Site: Rosa Unit #25C Well: #25C Wellpath: 1	Date: 4/13/2009 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 12:37:20 Well: #25C, True North SITE: 6168.0 Well (0.00N,0.00E,263.03Azi) Minimum Curvature	Page: 1 Db: Sybase								
Plan: Plan #2 Principal: Yes	Date Composed: 4/6/2009 Version: 1 Tied-to: From Surface										
Field: Rio Arriba County (NAD 83)											
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: Well Centre Geomagnetic Model: igrf200510										
Site: Rosa Unit #25C 1130' FSL 1560' FWL of SEC 15 T 31N R 6W											
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 6154.00 ft	Northing: 2145487.47 ft Easting: 2834070.11 ft	Latitude: 36 53 43.548 N Longitude: 107 27 13.752 W North Reference: True Grid Convergence: 0.23 deg									
Well: #25C Slot Name:											
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft	Northing: 2145487.47 ft Easting: 2834070.11 ft	Latitude: 36 53 43.548 N Longitude: 107 27 13.752 W									
Wellpath: 1											
Current Datum: SITE Magnetic Data: 4/6/2009 Field Strength: 51160 nT Vertical Section: Depth From (TVD) ft	Height: 6168.00 ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 10.04 deg Mag Dip Angle: 63.72 deg	+N/-S ft +E/-W ft Direction deg								
0.00	0.00	0.00	263.03								
Plan Section Information											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target	
0.00	0.00	263.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
400.00	0.00	263.03	400.00	0.00	0.00	0.00	0.00	0.00	0.00		
1373.24	38.93	263.03	1300.07	-38.63	-315.75	4.00	4.00	0.00	263.03		
1826.76	38.93	263.03	1652.86	-73.24	-598.62	0.00	0.00	0.00	0.00		
3773.24	0.00	263.03	3453.00	-150.50	-1230.13	2.00	-2.00	0.00	180.00	Int. Csg. Pt.	
8138.24	0.00	263.03	7818.00	-150.50	-1230.13	0.00	0.00	0.00	263.03	P2	
Survey											
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
400.00	0.00	263.03	400.00	0.00	0.00	0.00	0.00	0.00	0.00	263.03	KOP
500.00	4.00	263.03	499.92	-0.42	-3.46	3.49	4.00	0.00	4.00	0.00	
600.00	8.00	263.03	599.35	-1.69	-13.84	13.94	4.00	0.00	4.00	0.00	
700.00	12.00	263.03	697.81	-3.80	-31.07	31.30	4.00	0.00	4.00	0.00	
800.00	16.00	263.03	794.82	-6.74	-55.08	55.49	4.00	0.00	4.00	0.00	
900.00	20.00	263.03	889.91	-10.49	-85.74	86.38	4.00	0.00	4.00	0.00	
1000.00	24.00	263.03	982.61	-15.04	-122.92	123.84	4.00	0.00	4.00	0.00	
1100.00	28.00	263.03	1072.47	-20.36	-166.42	167.67	4.00	0.00	4.00	0.00	
1200.00	32.00	263.03	1159.05	-26.43	-216.04	217.66	4.00	0.00	4.00	0.00	
1300.00	36.00	263.03	1241.94	-33.22	-271.54	273.56	4.00	0.00	4.00	0.00	
1373.24	38.93	263.03	1300.07	-38.63	-315.75	318.11	4.00	0.00	4.00	0.00	HOLD
1400.00	38.93	263.03	1320.88	-40.67	-332.44	334.92	0.00	0.00	0.00	0.00	
1500.00	38.93	263.03	1398.68	-48.30	-394.82	397.76	0.00	0.00	0.00	0.00	
1600.00	38.93	263.03	1476.47	-55.93	-457.19	460.60	0.00	0.00	0.00	0.00	
1700.00	38.93	263.03	1554.26	-63.56	-519.56	523.43	0.00	0.00	0.00	0.00	



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: WILLIAMS PRODUCTION	Date: 4/13/2009	Time: 12:37:20	Page: 2
Field: Rio Arriba County (NAD 83)	Co-ordinate(NE) Reference: Well: #25C, True North		
Site: Rosa Unit #25C	Vertical (TVD) Reference: SITE 6168.0		
Well: #25C	Section (VS) Reference: Well (0.00N,0.00E,263.03Azi)		
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	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
1800.00	38.93	263.03	1632.05	-71.19	-581.93	586.27	0.00	0.00	0.00	0.00	
1826.76	38.93	263.03	1652.86	-73.24	-598.62	603.08	0.00	0.00	0.00	0.00	DROP
1900.00	37.46	263.03	1710.42	-78.74	-643.57	648.37	-2.00	0.00	2.00	180.00	
2000.00	35.46	263.03	1790.84	-85.95	-702.56	707.80	-2.00	0.00	2.00	180.00	
2100.00	33.46	263.03	1873.29	-92.82	-758.73	764.39	-2.00	0.00	2.00	180.00	
2200.00	31.46	263.03	1957.65	-99.34	-812.01	818.07	-2.00	0.00	2.00	180.00	
2300.00	29.46	263.03	2043.84	-105.50	-862.33	868.76	-2.00	0.00	2.00	180.00	
2400.00	27.46	263.03	2131.75	-111.29	-909.64	916.42	-2.00	0.00	2.00	180.00	
2457.46	26.32	263.03	2183.00	-114.44	-935.44	942.41	-2.00	0.00	2.00	180.00	Ojo Alamo Ss.
2500.00	25.46	263.03	2221.27	-116.70	-953.87	960.99	-2.00	0.00	2.00	180.00	
2589.87	23.67	263.03	2303.00	-121.24	-990.96	998.35	-2.00	0.00	2.00	180.00	Kirtland Sh.
2600.00	23.46	263.03	2312.28	-121.73	-994.98	1002.40	-2.00	0.00	2.00	180.00	
2700.00	21.46	263.03	2404.69	-126.37	-1032.90	1040.61	-2.00	0.00	2.00	180.00	
2800.00	19.46	263.03	2498.37	-130.61	-1067.61	1075.57	-2.00	0.00	2.00	180.00	
2900.00	17.46	263.03	2593.22	-134.46	-1099.04	1107.24	-2.00	0.00	2.00	180.00	
3000.00	15.46	263.03	2689.12	-137.90	-1127.17	1135.58	-2.00	0.00	2.00	180.00	
3045.43	14.56	263.03	2733.00	-139.33	-1138.86	1147.35	-2.00	0.00	2.00	180.00	Fruitland Fm.
3100.00	13.46	263.03	2785.94	-140.93	-1151.97	1160.56	-2.00	0.00	2.00	180.00	
3200.00	11.46	263.03	2883.58	-143.55	-1173.39	1182.14	-2.00	0.00	2.00	180.00	
3296.03	9.54	263.03	2978.00	-145.68	-1190.77	1199.65	-2.00	0.00	2.00	180.00	Pictured Cliffs Ss.
3300.00	9.46	263.03	2981.91	-145.76	-1191.42	1200.30	-2.00	0.00	2.00	180.00	
3400.00	7.46	263.03	3080.82	-147.55	-1206.03	1215.02	-2.00	0.00	2.00	180.00	
3500.00	5.46	263.03	3180.18	-148.91	-1217.20	1226.28	-2.00	0.00	2.00	180.00	
3593.12	3.60	263.03	3273.00	-149.81	-1224.51	1233.64	-2.00	0.00	2.00	180.00	Lewis Sh.
3600.00	3.46	263.03	3279.87	-149.86	-1224.93	1234.06	-2.00	0.00	2.00	180.00	
3700.00	1.46	263.03	3379.77	-150.38	-1229.20	1238.36	-2.00	0.00	2.00	180.00	
3773.24	0.00	263.03	3453.00	-150.50	-1230.13	1239.30	-2.00	0.00	2.00	180.00	Int. Csg. Pt.
3800.00	0.00	263.03	3479.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
3900.00	0.00	263.03	3579.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4000.00	0.00	263.03	3679.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4100.00	0.00	263.03	3779.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4200.00	0.00	263.03	3879.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4300.00	0.00	263.03	3979.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4400.00	0.00	263.03	4079.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4500.00	0.00	263.03	4179.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4600.00	0.00	263.03	4279.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4700.00	0.00	263.03	4379.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4800.00	0.00	263.03	4479.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
4900.00	0.00	263.03	4579.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5000.00	0.00	263.03	4679.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5100.00	0.00	263.03	4779.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5173.24	0.00	263.03	4853.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Cliff House Ss. Trans.
5200.00	0.00	263.03	4879.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5300.00	0.00	263.03	4979.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5400.00	0.00	263.03	5079.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5488.24	0.00	263.03	5168.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Cliff House Ss.
5500.00	0.00	263.03	5179.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5528.24	0.00	263.03	5208.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Menefee Fm.
5600.00	0.00	263.03	5279.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5700.00	0.00	263.03	5379.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5783.24	0.00	263.03	5463.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Point Lookout Ss.
5800.00	0.00	263.03	5479.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
5900.00	0.00	263.03	5579.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: WILLIAMS PRODUCTION	Date: 4/13/2009	Time: 12:37:20	Page: 3
Field: Rio Arriba County (NAD 83)	Co-ordinate(NE) Reference: Well: #25C, True North		
Site: Rosa Unit #25C	Vertical (TVD) Reference: SITE 6168.0		
Well: #25C	Section (VS) Reference: Well (0.00N,0.00E,263.03Azi)		
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	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
6000.00	0.00	263.03	5679.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6100.00	0.00	263.03	5779.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6123.24	0.00	263.03	5803.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Mancos Sh.
6200.00	0.00	263.03	5879.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6300.00	0.00	263.03	5979.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6400.00	0.00	263.03	6079.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6500.00	0.00	263.03	6179.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6600.00	0.00	263.03	6279.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6700.00	0.00	263.03	6379.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6800.00	0.00	263.03	6479.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
6900.00	0.00	263.03	6579.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7000.00	0.00	263.03	6679.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7093.24	0.00	263.03	6773.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Gallup Ss.
7100.00	0.00	263.03	6779.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7200.00	0.00	263.03	6879.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7300.00	0.00	263.03	6979.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7400.00	0.00	263.03	7079.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7500.00	0.00	263.03	7179.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7600.00	0.00	263.03	7279.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7700.00	0.00	263.03	7379.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7800.00	0.00	263.03	7479.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
7813.24	0.00	263.03	7493.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Greenhorn Ls.
7873.24	0.00	263.03	7553.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Granerosos Sh.
7900.00	0.00	263.03	7579.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
8000.00	0.00	263.03	7679.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
8008.24	0.00	263.03	7688.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	Dakota Ss.
8100.00	0.00	263.03	7779.76	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	
8138.24	0.00	263.03	7818.00	-150.50	-1230.13	1239.30	0.00	0.00	0.00	263.03	P2

Targets

Name	Description Dip.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min, Sec
Int. Csg. Pt.		3453.00	-150.50	-1230.13	2145332.09	2832840.59	36 53 42.060 N	107 27 28.897 W
-Plan hit target								
P2		7818.00	-150.50	-1230.13	2145332.09	2832840.59	36 53 42.060 N	107 27 28.897 W
-Plan hit target								

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2457.46	2183.00	Ojo Alamo Ss.		0.00	0.00
2589.87	2303.00	Kirtland Sh.		0.00	0.00
3045.43	2733.00	Fruitland Fm.		0.00	0.00
3296.03	2978.00	Pictured Cliffs Ss		0.00	0.00
3593.12	3273.00	Lewis Sh.		0.00	0.00
5173.24	4853.00	Cliff House Ss. Trans.		0.00	0.00
5488.24	5168.00	Cliff House Ss.		0.00	0.00
5528.24	5208.00	Menefee Fm.		0.00	0.00
5783.24	5463.00	Point Lookout Ss.		0.00	0.00
6123.24	5803.00	Mancos Sh.		0.00	0.00
7093.24	6773.00	Gallup Ss.		0.00	0.00
7813.24	7493.00	Greenhorn Ls.		0.00	0.00
7873.24	7553.00	Granerosos Sh.		0.00	0.00
8008.24	7688.00	Dakota Ss.		0.00	0.00



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: WILLIAMS PRODUCTION	Date: 4/13/2009	Time: 12:37:20	Page: 4
Field: Rio Arriba County (NAD 83)	Co-ordinate(NE) Reference: Well: #25C, True North		
Site: Rosa Unit #25C	Vertical (TVD) Reference: SITE 6168.0		
Well: #25C	Section (VS) Reference: Well (0.00N,0.00E,263.03Az)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Annotation

MD ft	TVD ft	
400.00	400.00	KOP
1373.24	1300.07	HOLD
1826.76	1652.87	DROP
3773.24	3453.00	Int. Csg. Pt.
8138.24	7818.00	PBHL

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
300.00	300.00	10.750	12.250	10 3/4"
3773.24	3453.00	7.000	8.500	7 5/8" Int. Csg.