In Lieu of Form 3160-5 (June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT–" for such proposals

5. Lease Designation and Serial No.
SF – 078763

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
Rosa

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Rosa #379

2. Name of Operator
Williams Production Company, LLC

9. API Well No.
30-039-26949

3. Address and Telephone No. **C/O Walsh Engineering & Production Corp.**
7415 East Main, Farmington, NM 87402 505-327-4892

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1710' FSL & 1680' FWL Sec 8, T31N, R5W

11. County or Parish, State
Rio Arriba, NM

AUG 2002
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OIL CONS. DIV.
DIST. 3

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☒ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other **See Below**	☐ 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.)*

Williams Production Company, LLC intends to construct the Rosa #379 as a horizontal coal well instead of a vertical well as per the attached operations/directional plan. The bottom hole location at TD is planned to be 1062.95' FSL & 1181.23' FEL.

Attached: Operations Plan
Directional Plan
Well Bore Schematic

14. I hereby certify that the foregoing is true and correct

Signed _____ (John C. Thompson) Title Agent/Engineer Date 07/31/02

(This space for Federal or State office use)

AUG - 1 2002

Approved by /s/ Jim Lovato 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.

*See Instruction on Reverse Side

NMOCD

WILLIAMS PRODUCTION COMPANY

Operations Plan

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

DATE:	**7/31/2002**		
WELLNAME:	Rosa #379	**FIELD:**	Basin Fruitland Coal
LOCATION:	NE/4 SW/4 Sec. 8, T31N, R5W Rio Arriba, NM	**SURFACE:**	BLM
ELEVATION:	6530' GR	**MINERALS:**	Fed
TOTAL DEPTH:	3217'	**LEASE #**	SF-078763

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB) Tops are estimates only. Logs will determine true depths.

	TVD	MD
Ojo Alamo	2397'	2397'
Kirtland	2507'	2507'
Fruitland	2897'	2910'
Top of Coal	2958'	3000'
Base of Coal	3117'	3344'
Pictured Cliffs	3117'	3117'
Vertical section TD	3217'	3217'
Horizontal Section Depths	3086'	5381'

*** Note: Well will be vertically drilled to 100' into Picture Cliff, logged through the PC, plug the PC then pull up and horizontally drill through the coal.**

B. LOGGING PROGRAM: HRI from TD to surface casing; GR-D-N interval selected by well sight geologist. Mud logger will be on location from Ojo Alamo formation to horizontal TD.

II. DRILLING

A. MUD PROGRAM: Clear water with benex to 7" casing point. Treat for lost circulation as necessary. Expect 100% returns prior to cementing. Notify Engineering of any mud losses. If coal is detected before 2897' DO NOT drill deeper until Engineering is contacted.

B. Drilling Fluid: Horizontal Coal section will be drilled with Calcium Chloride water.

C. BOP TESTING: While drill pipe is in use, the pipe rams will be function tested not less than once each day. The blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the rams will be tested to 1500 psi. The surface and intermediate casing strings will be tested to 1500 psi in conjunction with the BOP test before drilling out cement. The drum brakes will be inspected and tested each tour. All tests, inspections and SPR's will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	HOLE SIZE	DEPTH-MD	CASING SIZE	WT. & GRADE
Surface	12-1/4"	~ 250'	9-5/8"	36# K-55
Intermediate	8-3/4"	~ 3359'	7"	20# K-55
Prod. Liner	6-1/4"	~2510-5381'	4-1/2"	11.6# K-55

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.

2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self- fill insert float. Place float one(1) joint above the shoe and five(5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 1585' to the surface. Total centralizers = 5 regular and 14 turbulent.

3. PRODUCTION LINER: 4-1/2"liner (the liner though the coal open hole section will be slotted).

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

1. SURFACE: Use 130 sx (188 cu.ft.) of "Type III" with 2% CaCl2 and 1/4# of cello-flake/sk (Yield = 1.41 cu.ft./sk, Weight = 14.5 #/gal.). Use 125% excess to circulate the surface. WOC 12 hours. Test to 1500#.

2. PLUG BACK: 200 sk (130 cft) Type III with .1% CD 32, 1% CaCl and .25 #/sk cello-flake mixed at 15.0 ppg.

3. INTERMEDIATE: Lead - 430 sx (892 cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl2 and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail - 175 sx (243cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl2 (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use 125% excess in lead and tail to circulate to surface. Total volume = 1135 cu.ft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated. Test to 1500#.

4. PRODUCTION LINER: Slotted Liner. No cement.

IV COMPLETION

A. STIMULATION

None expected

C. RUNNING TUBING

1. *Fruitland Coal:* Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.375" ID) on top of bottom joint. Land tubing approximately 3400'

John C. Thompson
Engineer

file:379RosaOP

Proposal Report for Rosa Unit # 379 - Plan 06/21/02
Data Source: Information from Gary Sizemore

Measured Depth (ft)	Incl. (Deg)	Azim. (Deg)	Station Coordinates TVD (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00		
2609.02	0.000	0.000	2609.02	0.00 N	0.00 E	0.00	0.00	Build 12°/100' to 90° Inc & 105° Azm to 3359.04' md
2610.00	0.118	105.000	2610.00	0.00 N	0.00 E	0.00	12.00	
2640.00	3.717	105.000	2639.98	0.26 S	0.97 E	1.00	12.00	
2670.00	7.317	105.000	2669.83	1.01 S	3.76 E	3.89	12.00	
2700.00	10.917	105.000	2699.45	2.24 S	8.35 E	8.64	12.00	
2730.00	14.517	105.000	2728.71	3.95 S	14.73 E	15.24	12.00	
2760.00	18.117	105.000	2757.50	6.13 S	22.87 E	23.67	12.00	
2790.00	21.717	105.000	2785.70	8.77 S	32.74 E	33.89	12.00	
2820.00	25.317	105.000	2813.20	11.87 S	44.30 E	45.86	12.00	
2850.00	28.917	105.000	2839.90	15.41 S	57.50 E	59.53	12.00	
2880.00	32.517	105.000	2865.69	19.37 S	72.30 E	74.85	12.00	
2910.00	36.116	105.000	2890.46	23.75 S	88.64 E	91.76	12.00	
2940.00	39.716	105.000	2914.12	28.52 S	106.44 E	110.19	12.00	
2970.00	43.316	105.000	2936.58	33.67 S	125.64 E	130.08	12.00	
3000.00	46.916	105.000	2957.75	39.17 S	146.17 E	151.33	12.00	
3030.00	50.516	105.000	2977.54	45.00 S	167.94 E	173.87	12.00	
3060.00	54.116	105.000	2995.88	51.14 S	190.87 E	197.61	12.00	
3090.00	57.716	105.000	3012.69	57.57 S	214.87 E	222.45	12.00	
3120.00	61.316	105.000	3027.90	64.26 S	239.84 E	248.30	12.00	
3150.00	64.916	105.000	3041.47	71.19 S	265.68 E	275.05	12.00	
3180.00	68.515	105.000	3053.32	78.32 S	292.29 E	302.60	12.00	
3210.00	72.115	105.000	3063.43	85.63 S	319.57 E	330.84	12.00	
3240.00	75.715	105.000	3071.74	93.09 S	347.41 E	359.67	12.00	
3270.00	79.315	105.000	3078.22	100.67 S	375.70 E	388.95	12.00	
3300.00	82.915	105.000	3082.85	108.34 S	404.32 E	418.59	12.00	
3330.00	86.515	105.000	3085.62	116.07 S	433.17 E	448.45	12.00	
3359.04	90.000	105.000	3086.50	123.58 S	461.21 E	477.48	12.00	EOC - Hold 90° Inc & 105° Azm to 5381.56' md
3400.00	90.000	105.000	3086.50	134.18 S	500.77 E	518.44	0.00	
3500.00	90.000	105.000	3086.50	160.06 S	597.36 E	618.44	0.00	
3600.00	90.000	105.000	3086.50	185.94 S	693.96 E	718.44	0.00	
3700.00	90.000	105.000	3086.50	211.83 S	790.55 E	818.44	0.00	
3800.00	90.000	105.000	3086.50	237.71 S	887.14 E	918.44	0.00	
3900.00	90.000	105.000	3086.50	263.59 S	983.73 E	1018.44	0.00	
4000.00	90.000	105.000	3086.50	289.47 S	1080.33 E	1118.44	0.00	
4100.00	90.000	105.000	3086.50	315.35 S	1176.92 E	1218.44	0.00	
4200.00	90.000	105.000	3086.50	341.24 S	1273.51 E	1318.44	0.00	
4300.00	90.000	105.000	3086.50	367.12 S	1370.10 E	1418.44	0.00	
4400.00	90.000	105.000	3086.50	393.00 S	1466.70 E	1518.44	0.00	
4500.00	90.000	105.000	3086.50	418.88 S	1563.29 E	1618.44	0.00	

Proposal Report for Rosa Unit # 379 - Plan 06/21/02
Data Source: Information from Gary Sizemore

Measured Depth (ft)	Incl. (Deg)	Azim. (Deg)	Station Coordinates TVD (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
4600.00	90.000	105.000	3086.50	444.76 S	1659.88 E	1718.44	0.00	
4700.00	90.000	105.000	3086.50	470.65 S	1756.47 E	1818.44	0.00	
4800.00	90.000	105.000	3086.50	496.53 S	1853.07 E	1918.44	0.00	
4900.00	90.000	105.000	3086.50	522.41 S	1949.66 E	2018.44	0.00	
5000.00	90.000	105.000	3086.50	548.29 S	2046.25 E	2118.44	0.00	
5100.00	90.000	105.000	3086.50	574.17 S	2142.84 E	2218.44	0.00	
5200.00	90.000	105.000	3086.50	600.06 S	2239.44 E	2318.44	0.00	
5300.00	90.000	105.000	3086.50	625.94 S	2336.03 E	2418.44	0.00	
5381.56	90.000	105.000	3086.50	647.05 S	2414.81 E	2500.00	0.00	TD of Well @ 5381.56' md & 3086.50' TVD (2500' Total Vertical Section)

All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB. Northings and Eastings are relative to 1710' FSL/1680' FWL.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from 1710' FSL/1680' FWL and calculated along an Azimuth of 105.000° (True).

Magnetic Declination at Surface is 11.050° (21-Jun-02)

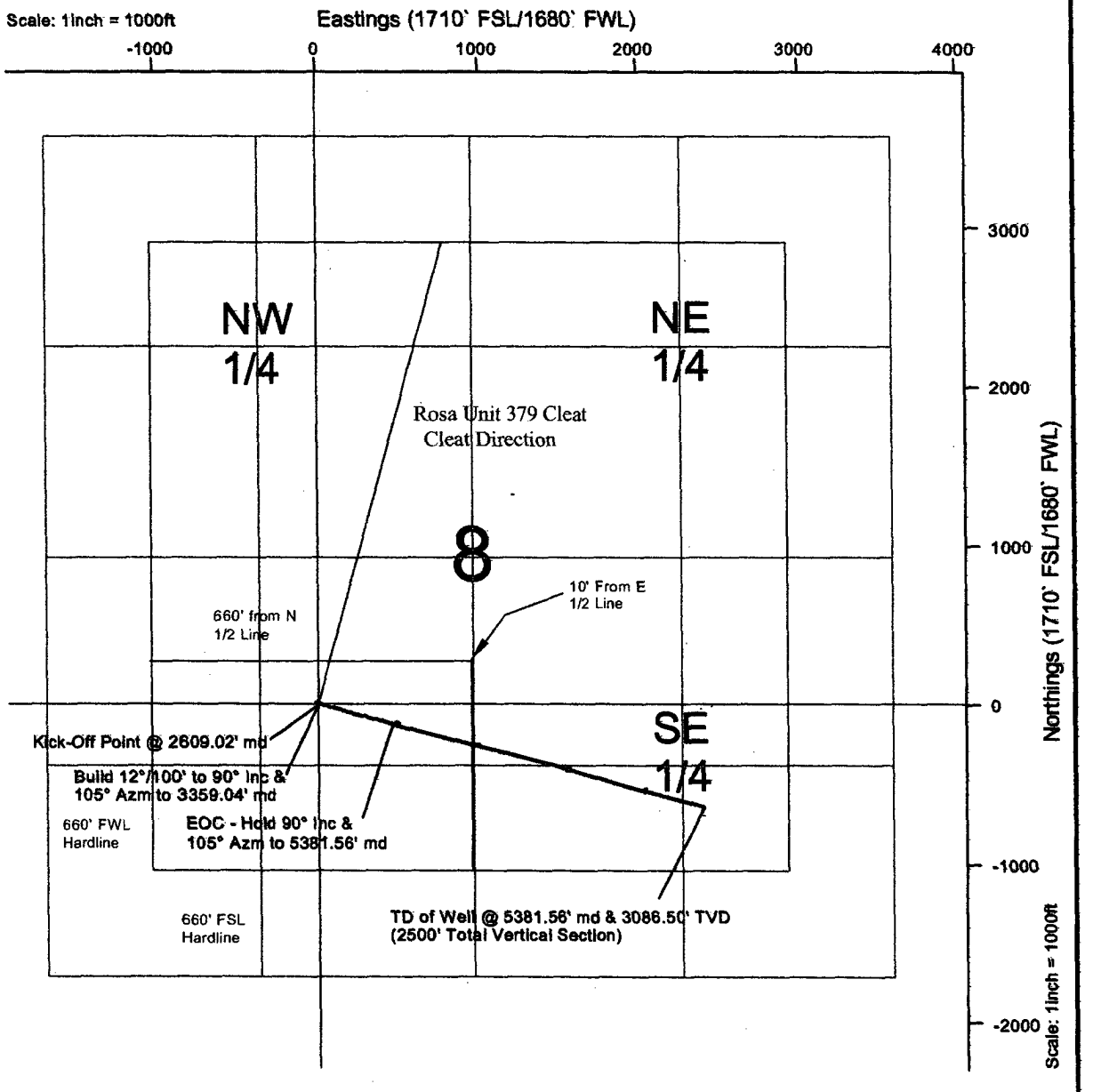
Based upon Minimum Curvature type calculations, at a Measured Depth of 5381.56ft.,
The Bottom Hole Displacement is 2500.00ft., in the Direction of 105.000° (True).

Comments

Measured Depth (ft)	Station Coordinates TVD (ft)	Northings (ft)	Eastings (ft)	Comment
2609.02	2609.02	0.00 N	0.00 E	Kick-Off Point @ 2609.02' md
2609.03	2609.03	0.00 N	0.00 E	Build 12°/100' to 90° Inc & 105° Azm to 3359.04' md
3359.04	3086.50	123.58 S	461.21 E	EOC - Hold 90° Inc & 105° Azm to 5381.56' md
5381.56	3086.50	647.05 S	2414.81 E	TD of Well @ 5381.56' md & 3086.50' TVD (2500' Total Vertical Section)

HALLIBURTON | **Williams Production Company** | DrillQuest Sperry-Sun

New Mexico
Rio Arriba County
Sec. 08-T31N-R5W
Rosa Unit # 379



Prepared by:	Date/Time:	Checked:	Approved:
Admin	21 June, 2002 - 14:58		

DrillQuest 3.03.01.000

Well Bore Schematic

Rosa Unit 379

Williams Production Co.
Rosa Unit # 379
Horizontal Coal Well