

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 12 2011

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.*

5. Lease Serial No.  
SF - 078777

6. Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No

8. Well Name and No.  
Rosa 399A

9. API Well No.  
30-039-30503

10. Field and Pool or Exploratory Area  
Basin Fruitland Coal

11. Country or Parish, State  
Rio Arriba

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

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)  
505-634-4206

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1035' FSL & 1025' FEL, section (P) 31, T31N, R4W

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other <u>COMPLETION</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 recompletion 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.

6/23/11 - MIRU Hurricane #9.

6/24/11 - Press test 7" csg 1500 psi 30 min no lk off.

6/25/11 - drill cmt stringers 3491' - 5323', drill wiper plug & cmt 3523' - 3540', drill float collar @ 3540', drill 26' of cmt to 3566' PBTD. Perforate Fruitland Coal 3470' - 3482', 3488' - 3494' w/ 3 1/8" slick gun, 19 grm chg, 46" penetration, 4 spf, total of 72 holes

6/26/11 - Circ and clean well

6/27/11 - Circ and clean well

6/28/11 - Land 2 7/8" 6.5#, J-55 eue tubing as follows from top down: 1 jt 10', 8', & 2' pup jts, 107 jts, 2.28" SN @ 3529', 1/2 mule shoe mud anchor @ 3549'.

RCVD JUL 14 '11  
OIL CONS. DIV.  
DIST. 3

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

Name (Printed/Typed)  
Ben Mitchell

Title Regulatory Specialist

Signature *B. Mitchell*

Date 7/11/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

ACCEPTED FOR RECORD

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

JUL 13 2011

NMOCD

AEP

FARMINGTON FIELD OFFICE  
BY *SCW*

# PathFinder Energy Services, Inc.

## Survey Report

WILLIAMS PRODUCTION COMPANY  
ROSA UNIT #399A  
RIO ARRIBA COUNTY, NM  
Rig:AZTEC 781  
PathFinder Office Supervisor: TOM SCHMIDT  
PathFinder Field Engineers: BRECK ENOCH  
PAUL FOREMAN

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:36.51.6.3000 N LON:107.17.24.6120 W  
GRID Reference:NAD27 new mexico central Transverse Mercator  
Ref GRID Coord: X: 195666.1905 Y: 2130919.8292  
North Aligned To:TRUE NORTH  
Total Magnetic Correction: 9.71°EAST TO TRUE  
Vertical Section Plane: 339.42  
Survey Vert. Reference: 14.00' Rotary Table To Ground  
Altitude:6678.00' Ground To MSL

Survey Calculations by RX5 V6.03E using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
THE FOLLOWING ARE GYRODATA GYRO SURVEYS.										
200.00	0.28	159.12	200.00	0.00	-0.49	0.46 S	0.17 E	0.49@	159.67	0.00
400.00	0.13	253.94	400.00	200.00	-0.96	0.98 S	0.13 E	0.99@	172.66	0.16
600.00	0.44	152.35	599.99	200.00	-1.70	1.72 S	0.26 E	1.74@	171.27	0.24
800.00	0.50	145.35	799.99	200.00	-3.31	3.12 S	1.12 E	3.31@	160.30	0.04
1000.00	0.71	142.23	999.98	200.00	-5.34	4.82 S	2.37 E	5.37@	153.78	0.11
1200.00	0.49	130.85	1199.97	200.00	-7.28	6.36 S	3.78 E	7.39@	149.27	0.12
1400.00	0.39	133.26	1399.96	200.00	-8.64	7.38 S	4.92 E	8.87@	146.31	0.05
1600.00	0.76	126.51	1599.95	200.00	-10.36	8.64 S	6.48 E	10.80@	143.11	0.19
1800.00	0.50	147.42	1799.94	200.00	-12.33	10.16 S	8.02 E	12.94@	141.72	0.17
2000.00	0.53	110.93	1999.93	200.00	-13.80	11.23 S	9.35 E	14.61@	140.21	0.16
2200.00	0.45	127.12	2199.92	200.00	-15.08	12.03 S	10.84 E	16.20@	137.98	0.08
2400.00	0.49	98.41	2399.92	200.00	-16.15	12.63 S	12.31 E	17.64@	135.73	0.12
2600.00	0.87	109.81	2599.90	200.00	-17.55	13.27 S	14.59 E	19.72@	132.29	0.20
2800.00	0.56	104.85	2799.89	200.00	-19.10	14.04 S	16.96 E	22.02@	129.61	0.16
3000.00	0.81	140.54	2999.87	200.00	-21.01	15.38 S	18.81 E	24.29@	129.27	0.24
** TIED-INTO GYRODATA GYRO SURVEY AT 3021'MD.										
3021.00	0.75	158.68	3020.87	21.00	-21.28	15.62 S	18.95 E	24.56@	129.50	1.20
THE FOLLOWING ARE GYRODATA GYRO SURVEYS.										
3081.00	0.59	147.55	3080.87	60.00	-21.98	16.25 S	19.26 E	25.20@	130.15	0.34
3110.00	0.76	119.79	3109.86	29.00	-22.27	16.47 S	19.51 E	25.53@	130.17	1.25
3140.00	2.39	4.08	3139.86	30.00	-21.86	15.94 S	19.72 E	25.36@	128.95	9.35
THE FOLLOWING SURVEYS HAVE AN INTERPOLATED AZIMUTH.										
3166.00	6.60	351.90	3165.77	26.00	-19.91	13.92 S	19.55 E	24.00@	125.45	16.51
3194.00	12.75	338.78	3193.36	28.00	-15.24	9.44 S	18.20 E	20.51@	117.42	23.20

# PathFinder Energy Services, Inc.

## Survey Report

WILLIAMS PRODUCTION COMPANY  
 ROSA UNIT #399A  
 RIO ARRIBA COUNTY, NM  
 RIG:AZTEC 781

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
3226.00	20.31	323.79	3224.03	32.00	-6.34	1.66 S	13.64 E	13.74@	96.93	26.94
3258.00	27.00	325.68	3253.33	32.00	6.07	8.84 N	6.25 E	10.82@	35.28	21.04
3290.00	32.18	333.39	3281.15	32.00	21.62	22.47 N	1.67 W	22.53@	355.75	20.06
3304.00	34.03	332.09	3292.88	14.00	29.21	29.26 N	5.17 W	29.72@	349.98	14.15
3336.00	39.39	327.68	3318.53	32.00	48.05	45.77 N	14.80 W	48.11@	342.08	18.66
3369.00	45.99	328.46	3342.77	33.00	69.98	64.76 N	26.62 W	70.01@	337.65	20.06
3400.00	52.94	329.95	3362.91	31.00	93.15	84.99 N	38.66 W	93.37@	335.54	22.71
3432.00	58.04	332.00	3381.03	32.00	119.23	108.04 N	51.44 W	119.66@	334.54	16.79
3464.00	61.11	335.59	3397.24	32.00	146.68	132.80 N	63.60 W	147.24@	334.41	13.62
3495.00	63.40	338.62	3411.67	31.00	174.09	158.07 N	74.27 W	174.65@	334.83	11.37
3527.00	67.09	339.87	3425.07	32.00	203.14	185.24 N	84.56 W	203.63@	335.46	12.06
3560.00	70.52	341.18	3437.00	33.00	233.90	214.24 N	94.81 W	234.28@	336.13	11.03
3592.00	72.81	342.20	3447.07	32.00	264.25	243.08 N	104.35 W	264.53@	336.77	7.77
3623.00	77.21	343.00	3455.08	31.00	294.14	271.65 N	113.30 W	294.33@	337.36	14.41
3655.00	81.78	344.01	3460.91	32.00	325.51	301.81 N	122.23 W	325.62@	337.95	14.61
3688.00	84.33	344.47	3464.90	33.00	358.15	333.33 N	131.13 W	358.20@	338.53	7.85
3752.00	89.78	343.68	3468.19	64.00	421.83	394.77 N	148.66 W	421.83@	339.36	8.60
3816.00	89.52	343.15	3468.58	64.00	485.68	456.11 N	166.93 W	485.69@	339.90	0.92
3880.00	89.16	342.81	3469.32	64.00	549.55	517.30 N	185.66 W	549.61@	340.26	0.77
3944.00	89.25	340.55	3470.21	64.00	613.49	578.04 N	205.77 W	613.58@	340.41	3.53
4008.00	88.11	340.48	3471.68	64.00	677.46	638.36 N	227.11 W	677.56@	340.42	1.78
4072.00	88.81	341.35	3473.40	64.00	741.41	698.82 N	248.03 W	741.53@	340.46	1.74
4137.00	88.29	340.19	3475.05	65.00	806.37	760.17 N	269.43 W	806.51@	340.48	1.96
4201.00	89.16	340.66	3476.47	64.00	870.35	820.46 N	290.87 W	870.49@	340.48	1.55
4265.00	90.48	339.48	3476.67	64.00	934.34	880.62 N	312.69 W	934.49@	340.45	2.77
4328.00	91.36	339.39	3475.66	63.00	997.33	939.60 N	334.81 W	997.47@	340.39	1.40
4392.00	90.48	339.35	3474.63	64.00	1061.32	999.49 N	357.36 W	1061.45@	340.33	1.38
4455.00	91.10	340.33	3473.76	63.00	1124.31	1058.62 N	379.07 W	1124.44@	340.30	1.84
4519.00	90.31	339.65	3472.98	64.00	1188.30	1118.75 N	400.97 W	1188.44@	340.28	1.63

# PathFinder Energy Services, Inc.

## Survey Report

WILLIAMS PRODUCTION COMPANY  
 ROSA UNIT #399A  
 RIO ARRIBA COUNTY, NM  
 RIG:AZTEC 781

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
						N	W	Dist	Dir	
4581.00	90.13	339.36	3472.74	62.00	1250.30	1176.83 N	422.67 W	1250.43@	340.24	0.55
4644.00	90.48	339.36	3472.40	63.00	1313.30	1235.78 N	444.88 W	1313.42@	340.20	0.56
4708.00	90.48	339.33	3471.87	64.00	1377.30	1295.67 N	467.46 W	1377.41@	340.16	0.05
4772.00	89.08	338.21	3472.11	64.00	1441.29	1355.32 N	490.63 W	1441.39@	340.10	2.80
4835.00	88.90	338.91	3473.22	63.00	1504.27	1413.95 N	513.65 W	1504.36@	340.04	1.15
4898.00	89.96	338.39	3473.85	63.00	1567.26	1472.63 N	536.59 W	1567.34@	339.98	1.87
4960.00	89.87	338.77	3473.94	62.00	1629.26	1530.34 N	559.23 W	1629.32@	339.93	0.63
5024.00	90.84	337.51	3473.55	64.00	1693.24	1589.74 N	583.06 W	1693.29@	339.86	2.49
5088.00	90.31	337.56	3472.90	64.00	1757.20	1648.88 N	607.51 W	1757.23@	339.77	0.83
5151.00	89.87	337.28	3472.80	63.00	1820.16	1707.05 N	631.70 W	1820.18@	339.69	0.83
5213.00	90.40	336.79	3472.66	62.00	1882.11	1764.13 N	655.89 W	1882.12@	339.61	1.16
5277.00	90.57	336.91	3472.12	64.00	1946.04	1822.98 N	681.05 W	1946.04@	339.51	0.32
5341.00	89.78	339.13	3471.92	64.00	2010.02	1882.32 N	705.01 W	2010.02@	339.47	3.68
5405.00	90.31	339.30	3471.87	64.00	2074.02	1942.16 N	727.72 W	2074.02@	339.46	0.87
5469.00	90.22	340.30	3471.58	64.00	2138.01	2002.22 N	749.82 W	2138.01@	339.47	1.57
5532.00	90.04	340.08	3471.43	63.00	2201.01	2061.49 N	771.17 W	2201.01@	339.49	0.45
5596.00	91.10	339.17	3470.80	64.00	2265.00	2121.48 N	793.45 W	2265.00@	339.49	2.18
5660.00	89.96	339.91	3470.20	64.00	2329.00	2181.44 N	815.82 W	2329.00@	339.50	2.12
5724.00	90.22	340.18	3470.10	64.00	2392.99	2241.60 N	837.66 W	2393.00@	339.51	0.59
5788.00	90.40	340.08	3469.76	64.00	2456.99	2301.79 N	859.41 W	2456.99@	339.53	0.32
5852.00	89.96	340.74	3469.56	64.00	2520.98	2362.08 N	880.87 W	2520.98@	339.55	1.24
5916.00	89.78	340.73	3469.70	64.00	2584.96	2422.50 N	901.99 W	2584.97@	339.58	0.28
5980.00	88.55	340.28	3470.63	64.00	2648.94	2482.82 N	923.34 W	2648.95@	339.60	2.05
6044.00	87.41	340.19	3472.89	64.00	2712.89	2543.01 N	944.97 W	2712.91@	339.62	1.79
6108.00	88.72	340.11	3475.05	64.00	2776.85	2603.17 N	966.69 W	2776.87@	339.63	2.05
6144.00	88.55	340.04	3475.91	36.00	2812.84	2637.01 N	978.95 W	2812.86@	339.63	0.51
STRAIGHT LINE PROJECTION TO BIT DEPTH AT 6200'MD.										
6200.00	88.55	340.04	3477.33	56.00	2868.82	2689.63 N	998.06 W	2868.84@	339.64	0.00

# PathFinder Energy Services, Inc.

## Survey Report

WILLIAMS PRODUCTION COMPANY  
ROSA UNIT #399A  
RIO ARRIBA COUNTY, NM  
RIG:AZTEC 781

Page 04/04

---

\*\* The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder Energy Services, Inc. and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.