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Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30974	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 17033	⁵ Property Name ROSA UNIT COM	⁶ Well Number 377
⁷ OGRID No. 120782	⁸ Operator Name WILLIAMS PRODUCTION COMPANY	⁹ Elevation 6432

¹⁰ Surface Location

UL or lot no. E	Section 25	Township 31N	Range 5W	Lot Idn	Feet from the 2275	North/South line NORTH	Feet from the 135	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. H	Section 26	Township 31N	Range 5W	Lot Idn	Feet from the 1737	North/South line NORTH	Feet from the 951	East/West line EAST	County RIO ARriba
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¹² Dedicated Acres 320 ACRES - N/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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RCVD SEP 8 '11
OIL CONSV. DIV.

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.

¹⁶ This C-102 is to adjust the bottom hole location of this well as per attached gyro report	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 <i>Ben Mitchell</i> 9/7/11 Signature Date Ben Mitchell Printed Name ben.mitchell@williams.com E-mail Address 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 Signature and Seal of Professional Surveyor. Surface location surveyed and certified by Jason C. Edwards, certificate #15269, on 9-7-2006 Certificate Number
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A

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

WILLIAMS PRODUCTION COMPANY, LLC.

Lease: Rosa Unit Well: 377, 2-7/8" Tubing

Location: Hurricane #15, Rio Arriba County, New Mexico

Job Number: RM0811GMS508

Run Date: 16 Aug 2011

Surveyor: Matt Lebas

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 36.871590 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference

A Gyrodata Directional Survey

Williams Production Company, LLC.

Lease: Rosa Unit Well: 377, 2-7/8" Tubing

Location: Hurricane #15, Rio Arriba County, New Mexico

Job Number: RM0811GMS508

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 3550 FT RATE GYROSCOPIC MULTI SHOT SURVEY RUN INSIDE 2-7/8" TUBING							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO WELLHEAD R.K.B. OF 14 FT							
DEPTHS AS PER COMPANY MAN							

200.00	0.19	55.30	N 55 18 E	0.10	200.00	0.3 55.3	0.19 N 0.27 E
400.00	0.48	294.45	N 65 33 W	0.30	400.00	0.8 343.3	0.72 N 0.22 W
600.00	3.47	290.65	N 69 21 W	1.50	599.86	7.4 295.8	3.21 N 6.65 W
800.00	10.39	306.64	N 53 22 W	3.56	798.29	31.3 301.0	16.12 N 26.81 W
1000.00	18.82	310.84	N 49 10 W	4.25	991.66	81.4 306.2	48.04 N 65.75 W
1200.00	25.21	306.72	N 53 17 W	3.29	1176.99	156.3 307.3	94.65 N 124.37 W
1400.00	27.59	298.60	N 61 24 W	2.16	1356.18	244.8 305.5	142.31 N 199.21 W
1600.00	27.60	291.57	N 68 26 W	1.63	1533.47	336.2 302.7	181.52 N 282.98 W
1800.00	27.65	292.68	N 67 19 W	0.26	1710.67	427.7 300.4	216.45 N 368.88 W
2000.00	26.53	291.09	N 68 55 W	0.67	1888.73	517.9 298.9	250.42 N 453.38 W
2200.00	25.81	297.21	N 62 47 W	1.40	2068.26	605.8 298.2	286.41 N 533.79 W
2400.00	24.02	308.29	N 51 43 W	2.50	2249.74	689.5 298.7	331.57 N 604.50 W
2600.00	28.04	315.59	N 44 25 W	2.57	2429.46	774.9 300.3	390.41 N 669.39 W
2800.00	32.99	299.87	N 60 8 W	4.68	2601.99	875.0 301.0	451.24 N 749.68 W
3000.00	29.99	287.98	N 72 1 W	3.44	2772.68	978.3 300.3	493.84 N 844.56 W
3200.00	26.67	282.32	N 77 41 W	2.13	2948.73	1070.2 299.0	518.86 N 935.99 W

A Gyrodata Directional Survey

Williams Production Company, LLC.

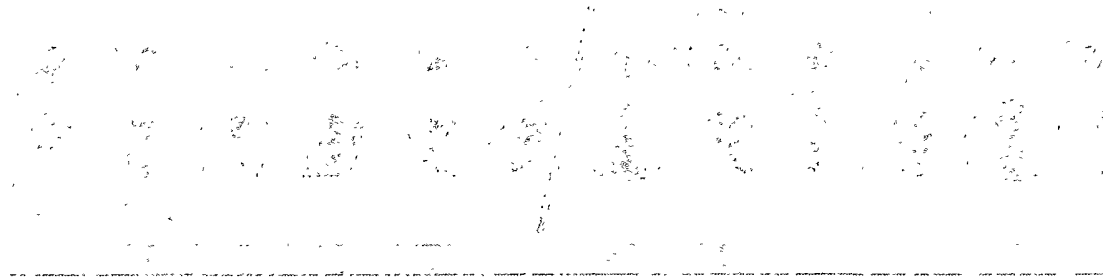
Lease: Rosa Unit Well: 377, 2-7/8" Tubing

Location: Hurricane #15, Rio Arriba County, New Mexico

Job Number: RM0811GMS508

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3400.00	25.28	281.58	N 78 25 W	0.71	3128.53	1154.2 297.7	537.01 N 1021.69 W
3550.00	21.59	278.73	N 81 16 W	2.57	3266.13	1211.2 296.9	547.63 N 1080.36 W

Final Station Closure: Distance: 1211.23 ft Az: 296.88 deg.



RECEIVED

AUG 15 2011

WPX

