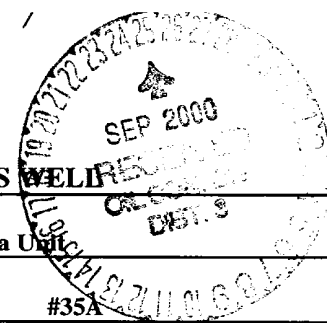


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS**



Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 8/14/2000		Well Number #35A				
Completion Date 8/9/2000		Total Depth 6791' MD		Plug Back TD 6779' MD		Elevation 6336'		Unit Sec Twp Rng J 05 31N 6W	
Casing Size 4-1/2"		Weight 10.5#		Set At 6791'		Perforations: 5849' - 6405'		County San Juan	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6703'		Perforations: 6425' - 6739'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		Formation MV			
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection	
L	H	Gq 0.6	%CO2	%N2	%H2S	Prover 3/4"	Meter Run	Taps	

FLOW DATA				TUBING DATA		CASING DATA			
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI	2" X 3/4"				815		870		0
1					245	74	805		0.5 hr
2					280	69	820		1.0 hr
3					285	69	845		1.5 hrs
4					285	69	830		2.0 hrs
5					265	71	775		3.0 hrs

RATE OF FLOW CALCULATION								
NO	Coefficient (24 Hours)		hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q.Mcfd
1	9.604			277	0.9896	1.29	1.034	3512
2								
3								
4								

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl. Deq.
1					A.P.I Gravity of Liquid Hydrocabrons _____	XXXXXX
2					Specific Gravity Separator _____	
3					Specific Gravity Flowing Fluid xxxxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	882	Pc2	777924	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		787	619369	158555
2				
3				
4				

(1) $\frac{Pc2}{Pc2 - Pw2} =$ 4.9063353		(2) $\frac{Pc2^n}{Pc2 - Pw2} =$ 3.2966127	
AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} =$ 11576			

Absolute Open Flow	11576	Mcfd @ 15.025	Angle of Slope _____	Slope, n	0.75
--------------------	--------------	---------------	----------------------	----------	-------------

Remarks:			
Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By: David Spitz

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 17, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS PRODUCTION COMPANY P O BOX 3102, MS 37-2 TULSA, OK 74101		² OGRID Number 120782
		³ Reason for Filing Code NW
⁴ API Number 30-045-30191	⁵ Pool Name BLANCO MV	⁶ Pool Code 72319
⁷ Property Code 17033	⁸ Property Name ROSA UNIT	⁹ Well Number 35A

II. ¹⁰ Surface Location

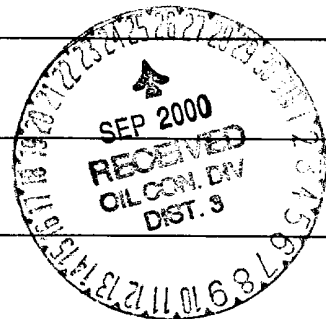
UL or lot no. K	Section 5	Township 31N	Range 6W	Lot Idn	Feet from the 2015'	North/South Line SOUTH	Feet from the 1885'	East/West line WEST	County SAN JUAN
--------------------	--------------	-----------------	-------------	---------	------------------------	---------------------------	------------------------	------------------------	--------------------

¹¹ Bottom Hole Location

UL or lot no. I	Section 5	Township 31N	Range 6W	Lot Idn	Feet from the 1832	North/South line SOUTH	Feet from the 1061	East/West line EAST	County SAN JUAN
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
009018	GIANT REFINING P O BOX 12999 SCOTTSDALE, AZ 85267	2826783	O	
025244	WILLIAMS FIELD SERVICES ATTN: BUD ALMOND P O BOX 645 TULSA, OKLAHOMA 74102	2826784	G	



IV. Produced Water

²³ POD 2826785	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date 6/04/00	²⁶ Ready Date 8/09/00	²⁷ TD 0000' 6771'	²⁸ PBTD 0000' 6779'	²⁹ Perforations 5849' - 6707'	³⁰ DHC, DC, MC
³¹ Hole Size 12 1/4"	³² Casing & Tubing Size 9 5/8" - 36#	³³ Depth Set 295'	³⁴ Sacks Cement 150 SX		
8 3/4"	7" - 20#	4432'	690 SX		
6 1/4"	4 1/2" - 10.5#	6791'	290 SX		
	2 3/8" - 4.7#	6703'			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date 08/14/00	³⁸ Test Length 3 HRS	³⁹ Tbg. Pressure 265	⁴⁰ Csg. Pressure 775
⁴¹ Choke Size 3/4"	⁴² Oil 0	⁴³ Water 0	⁴⁴ Gas 3,512	⁴⁵ AOF	⁴⁶ Test Method IP

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Tracy Ross*

Printed name: TRACY ROSS

Title: PRODUCTION ANALYST

Date: SEPTEMBER 18, 2000

Phone: 918-573-6254

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY CHARLIE T. PERRIN

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 9

Approval Date: OCT 13 2000

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

045-30191

Customer : Williams Production Company
Well : Rosa #35A
Rig : Aztec Well Service #124
Field : Mesa Verde
Legal : *K* Sec. 5-T31N-R06W
County : San Juan
State : New Mexico



JH
Calculation Method : Minimum Curvature
Magnetic Declination Applied : 11.2° East
Vertical Section Direction : 97.813° Azimuth

13HL 945.2/N, 1060/E, Sec 5, T31N-R6W

Note : See attached SSDS Certified Survey Worksheet for all survey information as recorded in the field.

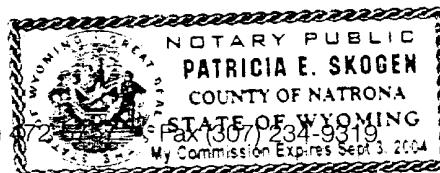
I, Craig Davis, having personal knowledge of all the facts, hereby certify that the above listed Directional Survey is true and correct as determined from all available Sperry-Sun Drilling Services records.

Craig Davis James R. Davidson P.E.
Directional Drilling Coordinator

On this 2nd day of October, 2000, before me personally appeared James R. Davidson to me known as the person described in and who executed the same as his/her free act and deed.

Patricia E. Skogen
Notary Public in and for the County of
Natrona, State of Wyoming

SEPT. 3, 2004
My Commission Expires



sperry-sun
DRILLING SERVICES

**New Mexico Oil Conservation
Oil & Gas Division
1000 Rio Brazos Road
Aztec, New Mexico
87410**

For the attention of : Frank Chavez

Dear Sir,

Please find enclosed two (2) copies of our certified survey results on the well described below.

Customer : Williams Production Company

Well : Rosa #35A

Rig : Aztec Well Service #124

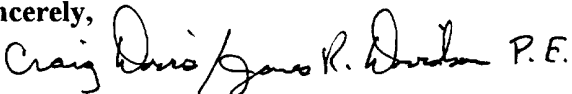
Field : Mesa Verde

Legal : Sec. 5-T31N-R06W

County : San Juan

State : New Mexico

Please feel free to call upon me at any time should you have any questions regarding the enclosed information.

Sincerely,
 **Craig Davis P.E.**

**Craig Davis
Directional Drilling Coordinator
7197 W. Derrick Drive
Casper, Wyoming 82604
(307) 472-5757**

sperry-sun
DRILLING SERVICES

For the attention of :

Dear Sir,

Please find enclosed one (1) copy of our certified survey results on the well described below.

Customer : Williams Production Company

Well : Rosa #35A

Rig : Aztec Well Service #124

Field : Mesa Verde

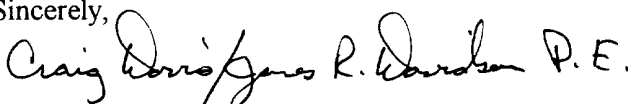
Legal : Sec. 5-T31-N-R06W

County : San Juan

State : New Mexico

Please feel free to call upon me at any time should you have any questions regarding the enclosed information.

Sincerely,

 Craig Davis R. Davidson P. E.

Craig Davis
Directional Drilling Coordinator

Williams Production Company

***New Mexico
San Juan County
Sec. 5-T31N-R06W
Rosa # 35A - MWD/S.S.***

SURVEY REPORT

2 August, 2000

sperry-sun
DRILLING SERVICES
A Halliburton Company

Survey Ref: svy2740

Sperry-Sun Drilling Services

Survey Report for Rosa # 35A - MWD/S.S.

Williams Production Company
New Mexico

San Juan County
Sec. 5-T31N-R06W

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
379.00	0.600	205.000	378.99	1.80 S	0.84 W	-0.59	0.16
410.00	0.600	176.900	409.99	2.11 S	0.90 W	-0.60	0.94
440.00	1.000	131.900	439.99	2.44 S	0.70 W	-0.36	2.38
470.00	2.200	130.600	469.98	2.99 S	0.06 W	0.34	4.00
500.00	3.100	100.400	499.95	3.51 S	1.17 E	1.64	5.44
531.00	4.000	103.600	530.89	3.92 S	3.05 E	3.55	2.97
561.00	5.000	97.200	560.79	4.33 S	5.36 E	5.90	3.72
591.00	6.200	89.900	590.65	4.49 S	8.28 E	8.81	4.64
621.00	6.200	92.000	620.47	4.54 S	11.52 E	12.03	0.76
651.00	7.300	90.600	650.27	4.62 S	15.04 E	15.53	3.71
681.00	9.000	88.500	679.96	4.58 S	19.29 E	19.74	5.75
711.00	9.700	89.900	709.56	4.51 S	24.17 E	24.56	2.45
741.00	9.700	90.400	739.13	4.52 S	29.22 E	29.57	0.28
771.00	9.900	90.100	768.70	4.54 S	34.33 E	34.63	0.69
801.00	10.200	87.800	798.24	4.45 S	39.56 E	39.80	1.67
831.00	10.600	89.900	827.74	4.34 S	44.98 E	45.15	1.84
862.00	11.200	89.000	858.18	4.28 S	50.84 E	50.95	2.01
892.00	11.800	89.800	887.58	4.22 S	56.82 E	56.86	2.07
922.00	12.700	90.300	916.90	4.23 S	63.18 E	63.17	3.02
952.00	13.700	86.800	946.11	4.05 S	70.03 E	69.93	4.27
984.00	15.000	91.500	977.11	3.94 S	77.95 E	77.76	5.45
1016.00	15.700	91.900	1007.97	4.20 S	86.42 E	86.19	2.21
1048.00	16.600	92.900	1038.70	4.57 S	95.31 E	95.05	2.94
1079.00	17.300	94.500	1068.36	5.16 S	104.33 E	104.06	2.71
1111.00	18.000	97.000	1098.85	6.13 S	113.98 E	113.76	3.22
1143.00	18.600	97.000	1129.23	7.36 S	123.95 E	123.80	1.88
1174.00	19.500	98.400	1158.53	8.72 S	133.98 E	133.92	3.26
1204.00	20.300	98.000	1186.74	10.17 S	144.09 E	144.13	2.70
1235.00	20.700	99.600	1215.78	11.83 S	154.81 E	154.98	2.22
1267.00	21.400	100.100	1245.64	13.80 S	166.14 E	166.47	2.26
1298.00	22.100	100.500	1274.44	15.85 S	177.44 E	177.95	2.31
1328.00	22.300	99.200	1302.21	17.79 S	188.61 E	189.27	1.77
1359.00	23.200	97.500	1330.80	19.53 S	200.47 E	201.26	3.59
1390.00	24.200	95.700	1359.19	20.96 S	212.84 E	213.72	3.98
1421.00	25.300	95.000	1387.34	22.17 S	225.76 E	226.68	3.67
1452.00	26.300	95.400	1415.25	23.39 S	239.20 E	240.16	3.27
1483.00	26.600	97.100	1443.00	24.89 S	252.93 E	253.96	2.63
1516.00	28.100	96.200	1472.31	26.65 S	267.98 E	269.12	4.71
1544.00	29.000	96.400	1496.91	28.12 S	281.29 E	282.50	3.23

Continued...

Sperry-Sun Drilling Services

Survey Report for Rosa # 35A - MWD/S.S.

Williams Production Company
New Mexico

San Juan County
Sec. 5-T31N-R06W

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
1576.00	30.000	95.600	1524.76	29.76 S	296.96 E	298.25	3.36
1607.00	30.600	95.600	1551.53	31.29 S	312.52 E	313.87	1.94
1639.00	31.600	94.800	1578.93	32.78 S	328.98 E	330.39	3.38
1670.00	32.500	94.700	1605.20	34.15 S	345.38 E	346.81	2.91
1700.00	33.500	94.500	1630.36	35.46 S	361.66 E	363.13	3.35
1731.00	34.800	95.400	1656.01	36.96 S	379.00 E	380.50	4.50
1762.00	35.900	95.600	1681.30	38.68 S	396.85 E	398.43	3.57
1794.00	37.200	95.200	1707.01	40.47 S	415.82 E	417.46	4.13
1824.00	38.500	95.000	1730.69	42.11 S	434.16 E	435.85	4.35
1853.00	39.300	95.600	1753.26	43.79 S	452.29 E	454.04	3.05
1884.00	39.900	95.700	1777.15	45.74 S	471.95 E	473.79	1.95
1915.00	40.200	96.200	1800.88	47.80 S	491.79 E	493.73	1.42
1945.00	41.200	96.200	1823.62	49.92 S	511.24 E	513.28	3.33
1977.00	42.200	97.700	1847.51	52.50 S	532.37 E	534.57	4.41
2009.00	43.800	98.200	1870.92	55.51 S	553.98 E	556.39	5.11
2041.00	44.600	98.400	1893.86	58.74 S	576.06 E	578.70	2.54
2073.00	45.300	99.200	1916.51	62.20 S	598.40 E	601.30	2.81
2105.00	45.200	99.600	1939.03	65.91 S	620.82 E	624.02	0.94
2135.00	45.000	99.600	1960.21	69.45 S	641.77 E	645.26	0.67
2165.00	44.900	99.900	1981.44	73.04 S	662.66 E	666.44	0.78
2227.00	45.400	100.100	2025.17	80.67 S	705.95 E	710.36	0.84
2257.00	45.600	100.600	2046.19	84.52 S	727.00 E	731.74	1.36
2287.00	46.200	100.500	2067.07	88.46 S	748.18 E	753.26	2.01
2318.00	47.500	100.600	2088.27	92.60 S	770.41 E	775.85	4.20
2349.00	47.700	99.800	2109.18	96.66 S	792.94 E	798.72	2.01
2381.00	47.800	99.100	2130.69	100.55 S	816.31 E	822.40	1.65
2413.00	47.500	98.500	2152.25	104.16 S	839.68 E	846.04	1.67
2443.00	47.400	98.200	2172.54	107.37 S	861.54 E	868.14	0.81
2475.00	47.100	98.900	2194.26	110.87 S	884.78 E	891.64	1.86
2538.00	47.500	100.300	2236.98	118.59 S	930.43 E	937.91	1.75
2600.00	48.300	99.100	2278.55	126.34 S	975.77 E	983.89	1.93
2661.00	48.300	98.400	2319.13	133.26 S	1020.79 E	1029.43	0.86
2723.00	49.000	97.700	2360.09	139.78 S	1066.87 E	1075.97	1.41
2784.00	49.900	97.800	2399.75	146.03 S	1112.80 E	1122.32	1.48
2879.00	50.600	97.500	2460.49	155.75 S	1185.19 E	1195.36	0.78
2911.00	50.900	97.100	2480.74	158.90 S	1209.77 E	1220.14	1.35
2974.00	48.100	97.000	2521.65	164.78 S	1257.31 E	1268.03	4.45
3068.00	45.100	97.000	2586.23	173.10 S	1325.09 E	1336.32	3.19
3162.00	44.200	97.000	2653.10	181.16 S	1390.65 E	1402.37	0.96
3287.00	44.700	95.900	2742.34	190.98 S	1477.63 E	1489.88	0.73

Continued...

Sperry-Sun Drilling Services

Survey Report for Rosa # 35A - MWD/S.S.

Williams Production Company
New Mexico

San Juan County
Sec. 5-T31N-R06W

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3350.00	44.500	95.400	2787.19	195.34 S	1521.65 E	1534.08	0.64
3412.00	43.500	94.700	2831.79	199.13 S	1564.55 E	1577.10	1.79
3472.00	42.800	95.700	2875.57	202.85 S	1605.42 E	1618.09	1.63
3504.00	42.700	96.100	2899.06	205.08 S	1627.03 E	1639.80	0.90
3535.00	42.800	96.400	2921.83	207.37 S	1647.94 E	1660.84	0.73
3567.00	42.800	97.100	2945.31	209.93 S	1669.53 E	1682.57	1.49
3598.00	43.200	97.800	2967.98	212.67 S	1690.50 E	1703.71	2.01
3630.00	44.200	98.900	2991.12	215.88 S	1712.37 E	1725.82	3.92
3661.00	45.500	99.900	3013.09	219.46 S	1733.94 E	1747.67	4.77
3692.00	45.200	100.900	3034.88	223.44 S	1755.63 E	1769.71	2.49
3723.00	45.600	99.000	3056.65	227.25 S	1777.37 E	1791.76	4.55
3753.00	45.900	99.200	3077.58	230.65 S	1798.59 E	1813.24	1.11
3784.00	45.000	99.900	3099.33	234.31 S	1820.37 E	1835.33	3.32
3816.00	45.100	99.800	3121.94	238.19 S	1842.68 E	1857.96	0.38
3848.00	45.400	99.100	3144.46	241.92 S	1865.10 E	1880.67	1.81
3878.00	44.900	99.800	3165.62	245.41 S	1886.08 E	1901.93	2.35
3909.00	43.900	100.300	3187.77	249.19 S	1907.44 E	1923.61	3.42
3938.00	42.900	100.800	3208.84	252.84 S	1927.03 E	1943.51	3.65
3970.00	42.200	99.800	3232.41	256.71 S	1948.32 E	1965.13	3.04
4000.00	41.700	99.400	3254.73	260.05 S	1968.09 E	1985.17	1.89
4032.00	40.300	99.200	3278.88	263.45 S	1988.81 E	2006.16	4.39
4063.00	38.900	98.700	3302.76	266.52 S	2008.33 E	2025.91	4.63
4095.00	37.400	100.100	3327.93	269.75 S	2027.83 E	2045.67	5.41
4125.00	36.300	99.800	3351.93	272.86 S	2045.55 E	2063.65	3.72
4157.00	35.400	99.800	3377.87	276.05 S	2064.02 E	2082.38	2.81
4188.00	34.400	100.100	3403.29	279.11 S	2081.48 E	2100.10	3.27
4218.00	32.800	101.400	3428.28	282.20 S	2097.79 E	2116.68	5.85
4249.00	31.600	100.800	3454.51	285.38 S	2114.00 E	2133.17	4.01
4279.00	31.300	100.300	3480.11	288.25 S	2129.39 E	2148.81	1.33
4310.00	30.400	100.300	3506.72	291.09 S	2145.03 E	2164.69	2.90
4341.00	29.300	100.000	3533.61	293.81 S	2160.22 E	2180.11	3.58
4371.00	27.900	99.600	3559.95	296.26 S	2174.37 E	2194.46	4.71
4451.00	26.000	104.000	3631.26	303.62 S	2209.85 E	2230.61	3.44
4605.00	15.000	91.000	3775.36	312.17 S	2262.71 E	2284.14	7.69
4857.00	10.000	52.000	4021.72	299.24 S	2312.68 E	2331.89	3.78
5325.00	6.000	357.000	4485.67	249.71 S	2343.47 E	2355.66	1.75
5791.00	3.000	352.000	4950.18	213.30 S	2340.49 E	2347.76	0.65
6320.00	1.000	37.000	5478.86	195.91 S	2341.35 E	2346.24	0.45
6794.00	2.250	357.000	5952.67	183.31 S	2343.35 E	2346.52	0.34

Continued...

Sperry-Sun Drilling Services

Survey Report for Rosa # 35A - MWD/S.S.

**Williams Production Company
New Mexico**

**San Juan County
Sec. 5-T31N-R06W**

All data is in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Wellhead.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Wellhead and calculated along an Azimuth of 97.813° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 6794.00ft.,
The Bottom Hole Displacement is 2350.51ft., in the Direction of 94.473° (True).