



October 25, 2004

VIA HAND DELIVERY

Michael E. Stogner, Hearing Officer
Oil Conservation Division
New Mexico Department of Energy,
Minerals and natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

2004 OCT 25 AM 11 37

Re: Case No. 13347: Application of Williams Production Company for an exception to Rule 7(d) of the Special Pool Rules and Regulations for the Basin-Fruitland Coal Gas Pool to authorize the simultaneous dedication of the south half of Section 8, Township 31 North, Range 5 West, NMPM, to two coal gas wells located in the same quarter section, Rio Arriba County, New Mexico.

Dear Mr. Stogner:

Pursuant to your request at the October 21, 2004 examiner hearing on the above-referenced application, enclosed is the Directional Survey Report for the Rosa Unit Well No. 379.

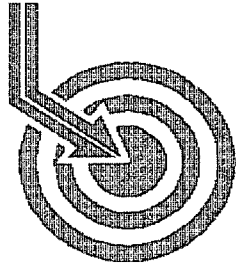
If you need anything else from Williams Production Company to proceed with your consideration of this application, please advise.

Very truly yours,

William F. Carr

Enclosure

cc: Mr. Vern Hansen
Mr. Bobby Goodwin
Williams Production Company



**Scientific
Drilling**

DIRECTIONAL SURVEY REPORT

Prepared For

**WILLIAMS PRODUCTION CO.
Rosa Unit #379
Rio Arriba County, NM**

***Prepared By:
Judi Moore - Well Planner
Scientific Drilling International
Rocky Mountain District***

Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
judimoore_sdi@msn.com



Scientific
Drilling

Scientific Drilling Survey Completion Report

Company: Williams Production Co.	Date: 8/19/2002	Time: 11:42:25	Page: 1
Field: Rio Arriba County, NM	Co-ordinate(NE) Reference: Well: #379, True North		
Site: Rosa Unit #379	Vertical (TVD) Reference: SITE 14.0		
Well: #379	Section (VS) Reference: Well (0.00N,0.00E,105.00Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Survey #1	Start Date: 8/13/2002
Company: Scientific Drilling	Engineer: D.Bayer
Tool: MWD,	Tied-to: From Surface

Field: Rio Arriba County, NM

Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Central Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2000

Site: Rosa Unit #379

Rio Arriba County, NM

Site Position:	Northing: ft	Latitude:
From: Lease Line	Easting: ft	Longitude:
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6261.00 ft		Grid Convergence: -0.68 deg

Well: #379

Slot Name:

Well Position:	+N/-S 0.00 ft	Northing: 2152992.75 ft	Latitude: 36 54 41.323 N
	+E/-W 0.00 ft	Easting: 167189.24 ft	Longitude: 107 23 18.179 W
Position Uncertainty: 0.00 ft			

Wellpath: OH

Current Datum: SITE	Height 14.00 ft	Drilled From: Surface
Magnetic Data: 8/1/2002		Tie-on Depth: 0.00 ft
Field Strength: 48251 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S ft	Declination: 10.24 deg
		Mag Dip Angle: 58.36 deg
		+E/-W ft
		Direction deg
0.00	0.00	0.00 105.00

Survey

Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	CLSD ft	CLSA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485.00	0.40	250.00	485.00	-1.39	-0.58	-1.59	0.08	485.00	1.69	250.00
984.00	1.10	229.00	983.95	-5.49	-4.32	-6.84	0.15	499.00	8.09	237.75
1467.00	0.90	237.00	1466.88	-10.62	-9.42	-13.52	0.05	483.00	16.48	235.13
1939.00	1.60	93.00	1938.82	-6.66	-11.79	-10.05	0.51	472.00	15.49	220.45
2410.00	0.90	276.00	2409.78	-3.88	-11.75	-7.16	0.53	471.00	13.76	211.37
2491.00	1.40	300.10	2490.76	-5.46	-11.18	-8.65	0.85	81.00	14.14	217.72
2525.00	0.90	302.70	2524.76	-6.12	-10.83	-9.24	1.48	34.00	14.23	220.45
2557.00	1.50	79.90	2556.75	-5.98	-10.62	-9.03	7.02	32.00	13.94	220.38
2589.00	5.10	84.40	2588.69	-4.27	-10.41	-7.21	11.27	32.00	12.66	214.69
2620.00	9.40	82.50	2619.44	-0.64	-9.94	-3.32	13.89	31.00	10.48	198.48
2651.00	14.20	83.00	2649.77	5.23	-9.15	2.96	15.49	31.00	9.62	162.05
2683.00	19.10	84.00	2680.42	13.76	-8.12	12.07	15.34	32.00	14.55	123.94
2715.00	23.10	85.00	2710.27	24.55	-7.03	23.54	12.55	32.00	24.56	106.63
2747.00	24.30	85.70	2739.57	36.67	-5.99	36.36	3.85	32.00	36.85	99.35
2778.00	27.30	88.20	2767.48	49.50	-5.29	49.83	10.29	31.00	50.11	96.06
2810.00	30.00	90.30	2795.56	64.26	-5.10	65.16	9.00	32.00	65.36	94.47
2841.00	32.50	93.00	2822.06	79.91	-5.57	81.23	9.24	31.00	81.43	93.93
2872.00	35.00	95.70	2847.84	96.83	-6.89	98.40	9.40	31.00	98.64	94.01
2904.00	38.40	98.50	2873.49	115.77	-9.27	117.37	11.84	32.00	117.74	94.52
2936.00	42.10	101.60	2897.91	136.36	-12.90	137.72	13.15	32.00	138.32	95.35
2967.00	45.90	104.00	2920.21	157.87	-17.69	158.70	13.38	31.00	159.69	96.36
2999.00	47.80	105.20	2942.10	181.22	-23.57	181.29	6.54	32.00	182.82	97.41
3030.00	50.30	105.60	2962.41	204.63	-29.79	203.86	8.12	31.00	206.03	98.31



Scientific
Drilling

Scientific Drilling Survey Completion Report

Company: Williams Production Co.
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Site: Rosa Unit #379
Well: #379
Wellpath: OH

Date: 8/19/2002 Time: 11:42:25 Page: 2
Co-ordinate(NE) Reference: Well: #379, True North
Vertical (TVD) Reference: SITE 14.0
Section (VS) Reference: Well (0.00N,0.00E,105.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	CLSD ft	CLSA deg
3062.00	53.50	106.30	2982.15	229.80	-36.72	228.07	10.15	32.00	231.01	99.15
3093.00	57.90	106.50	2999.62	255.40	-43.95	252.63	14.20	31.00	256.43	99.87
3125.00	62.60	105.70	3015.49	283.17	-51.64	279.32	14.85	32.00	284.05	100.48
3156.00	65.60	104.80	3029.03	311.05	-58.97	306.22	10.02	31.00	311.85	100.90
3188.00	68.80	104.90	3041.43	340.55	-66.53	334.73	10.00	32.00	341.28	101.24
3219.00	71.40	105.30	3051.98	369.69	-74.13	362.87	8.47	31.00	370.37	101.55
3250.00	73.50	105.80	3061.33	399.25	-82.05	391.34	6.95	31.00	399.85	101.84
3282.00	76.30	106.40	3069.67	430.13	-90.62	421.02	8.94	32.00	430.67	102.15
3313.00	80.10	107.00	3076.00	460.46	-99.34	450.08	12.40	31.00	460.92	102.45
3320.00	81.20	106.50	3077.14	467.36	-101.33	456.70	17.22	7.00	467.80	102.51
3388.00	85.10	107.70	3085.25	534.82	-121.18	521.21	6.00	68.00	535.11	103.09
3406.00	84.60	105.60	3086.87	552.74	-126.32	538.39	11.95	18.00	553.01	103.20
3436.00	85.90	104.40	3089.35	582.63	-134.05	567.27	5.89	30.00	582.89	103.30
3467.00	89.20	105.60	3090.68	613.60	-142.07	597.18	11.33	31.00	613.84	103.38
3498.00	90.40	105.60	3090.78	644.60	-150.41	627.03	3.87	31.00	644.82	103.49
3529.00	92.50	106.80	3090.00	675.58	-159.05	656.79	7.80	31.00	675.78	103.61
3560.00	91.80	105.70	3088.84	706.55	-167.72	686.53	4.20	31.00	706.72	103.73
3592.00	90.30	104.70	3088.25	738.54	-176.11	717.41	5.63	32.00	738.70	103.79
3624.00	90.20	104.20	3088.11	770.54	-184.09	748.39	1.59	32.00	770.70	103.82
3655.00	90.40	103.70	3087.95	801.53	-191.57	778.48	1.74	31.00	801.70	103.82
3686.00	87.70	102.60	3088.46	832.51	-198.62	808.66	9.40	31.00	832.69	103.80
3718.00	88.50	106.10	3089.52	864.48	-206.54	839.64	11.21	32.00	864.67	103.82
3747.00	90.00	108.80	3089.90	893.45	-215.24	867.30	10.65	29.00	893.61	103.94
3778.00	90.40	110.40	3089.79	924.35	-225.64	896.50	5.32	31.00	924.46	104.13
3810.00	90.40	111.10	3089.57	956.19	-236.97	926.42	2.19	32.00	956.25	104.35
3841.00	92.80	110.90	3088.71	987.00	-248.08	955.35	7.77	31.00	987.03	104.56
3872.00	90.40	109.80	3087.84	1017.85	-258.85	984.40	8.52	31.00	1017.87	104.73
3903.00	89.30	110.30	3087.92	1048.73	-269.48	1013.52	3.90	31.00	1048.74	104.89
3934.00	88.90	109.40	3088.41	1079.62	-280.00	1042.68	3.18	31.00	1079.62	105.03
3965.00	86.70	108.80	3089.60	1110.51	-290.14	1071.95	7.36	31.00	1110.52	105.15
3997.00	88.80	109.60	3090.85	1142.40	-300.65	1102.14	7.02	32.00	1142.41	105.26
4029.00	90.50	109.90	3091.05	1174.29	-311.47	1132.26	5.39	32.00	1174.32	105.38
4060.00	89.80	108.20	3090.97	1205.21	-321.59	1161.56	5.93	31.00	1205.25	105.48
4090.00	90.60	107.70	3090.86	1235.17	-330.83	1190.10	3.14	30.00	1235.22	105.54
4122.00	86.40	106.60	3091.70	1267.13	-340.26	1220.66	13.57	32.00	1267.19	105.58
4154.00	84.70	106.30	3094.18	1299.02	-349.30	1251.25	5.39	32.00	1299.09	105.60
4186.00	87.00	105.70	3096.50	1330.93	-358.09	1281.93	7.43	32.00	1331.01	105.61
4218.00	86.30	105.60	3098.37	1362.87	-366.71	1312.69	2.21	32.00	1362.95	105.61
4250.00	88.50	104.60	3099.82	1394.84	-375.04	1343.55	7.55	32.00	1394.91	105.60
4282.00	89.90	104.10	3100.27	1426.83	-382.97	1374.55	4.65	32.00	1426.90	105.57
4313.00	91.30	103.50	3099.94	1457.82	-390.36	1404.65	4.91	31.00	1457.89	105.53
4345.00	92.20	102.80	3098.97	1489.79	-397.64	1435.80	3.56	32.00	1489.84	105.48
4377.00	92.20	102.10	3097.74	1521.74	-404.53	1467.02	2.19	32.00	1521.78	105.42
4408.00	91.90	101.90	3096.63	1552.67	-410.97	1497.33	1.16	31.00	1552.70	105.35
4441.00	91.10	103.10	3095.77	1585.63	-418.11	1529.53	4.37	33.00	1585.65	105.29
4473.00	91.60	103.10	3095.01	1617.60	-425.36	1560.69	1.56	32.00	1617.62	105.25
4504.00	91.10	102.70	3094.28	1648.57	-432.28	1590.90	2.07	31.00	1648.58	105.20
4536.00	87.70	104.10	3094.62	1680.55	-439.70	1622.02	11.49	32.00	1680.56	105.17
4568.00	87.80	104.00	3095.87	1712.52	-447.46	1653.04	0.44	32.00	1712.53	105.15
4599.00	87.80	103.10	3097.06	1743.49	-454.72	1683.15	2.90	31.00	1743.50	105.12
4631.00	88.10	103.40	3098.21	1775.46	-462.05	1714.28	1.33	32.00	1775.46	105.08
4663.00	90.20	104.00	3098.68	1807.44	-469.62	1745.37	6.83	32.00	1807.44	105.06



Scientific
Drilling

Scientific Drilling Survey Completion Report

Company: Williams Production Co.
Field: Rio Arriba County, NM
Site: Rosa Unit #379
Well: #379
Wellpath: OH

Date: 8/19/2002 Time: 11:42:25 Page: 3
Co-ordinate(NE) Reference: Well: #379, True North
Vertical (TVD) Reference: SITE 14.0
Section (VS) Reference: Well (0.00N,0.00E,105.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ClsD ft	ClsA deg
4694.00	90.50	105.20	3098.49	1838.44	-477.44	1775.36	3.99	31.00	1838.44	105.05
4725.00	92.50	105.60	3097.68	1869.43	-485.67	1805.24	6.58	31.00	1869.43	105.06
4756.00	91.70	104.40	3096.54	1900.41	-493.68	1835.16	4.65	31.00	1900.41	105.06
4788.00	88.10	104.10	3096.60	1932.40	-501.56	1866.17	11.29	32.00	1932.40	105.04
4820.00	87.40	104.40	3097.86	1964.37	-509.43	1897.16	2.38	32.00	1964.37	105.03
4851.00	89.40	105.50	3098.72	1995.36	-517.42	1927.10	7.36	31.00	1995.36	105.03
4883.00	92.40	104.40	3098.22	2027.35	-525.68	1958.01	9.99	32.00	2027.35	105.03
4915.00	94.70	104.80	3096.24	2059.28	-533.73	1988.92	7.29	32.00	2059.28	105.02
4946.00	92.50	105.10	3094.29	2090.22	-541.71	2018.80	7.16	31.00	2090.22	105.02
4978.00	92.60	104.70	3092.87	2122.19	-549.93	2049.70	1.29	32.00	2122.19	105.02
5010.00	92.30	104.40	3091.50	2154.16	-557.96	2080.64	1.33	32.00	2154.16	105.01
5042.00	93.00	104.10	3090.02	2186.12	-565.83	2111.63	2.38	32.00	2186.12	105.00
5074.00	93.30	103.40	3088.26	2218.06	-573.42	2142.66	2.38	32.00	2218.06	104.98
5105.00	93.80	102.90	3086.34	2248.99	-580.46	2172.79	2.28	31.00	2248.99	104.96
5136.00	93.70	102.90	3084.32	2279.90	-587.37	2202.94	0.32	31.00	2279.90	104.93
5168.00	94.50	101.70	3082.03	2311.78	-594.17	2234.13	4.50	32.00	2311.79	104.89
5200.00	94.20	101.00	3079.60	2343.63	-600.45	2265.41	2.37	32.00	2343.63	104.84
5232.00	93.70	100.80	3077.40	2375.47	-606.48	2296.76	1.68	32.00	2375.48	104.79
5264.00	92.50	101.40	3075.67	2407.35	-612.63	2328.11	4.19	32.00	2407.37	104.74
5300.00	92.50	101.40	3074.10	2443.24	-619.74	2363.37	0.00	36.00	2443.28	104.69

Annotation

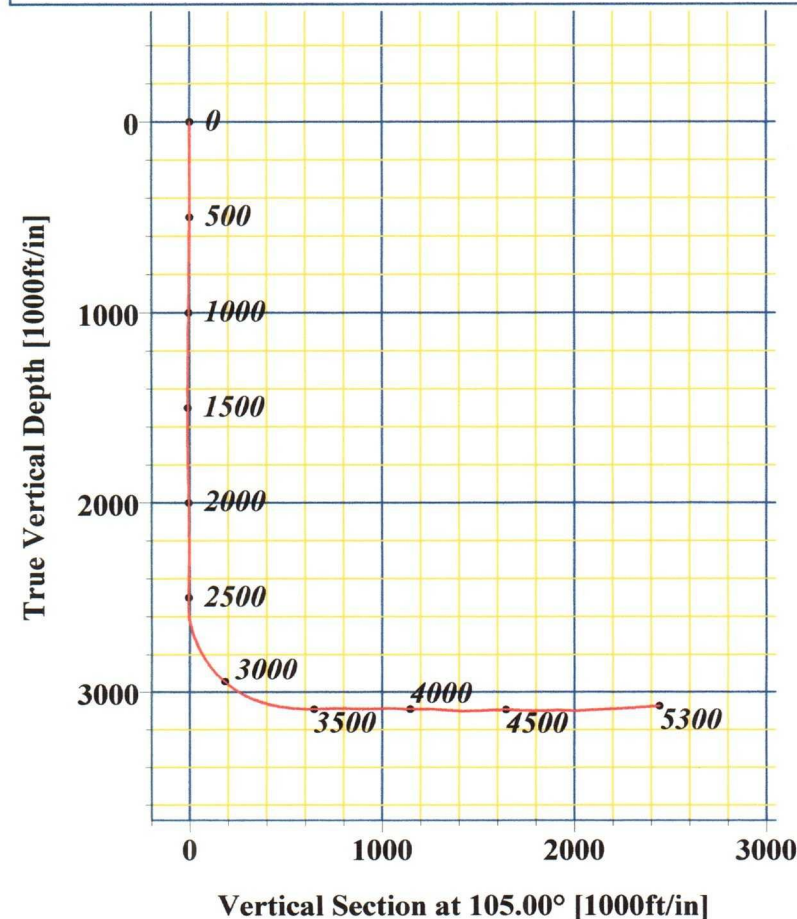
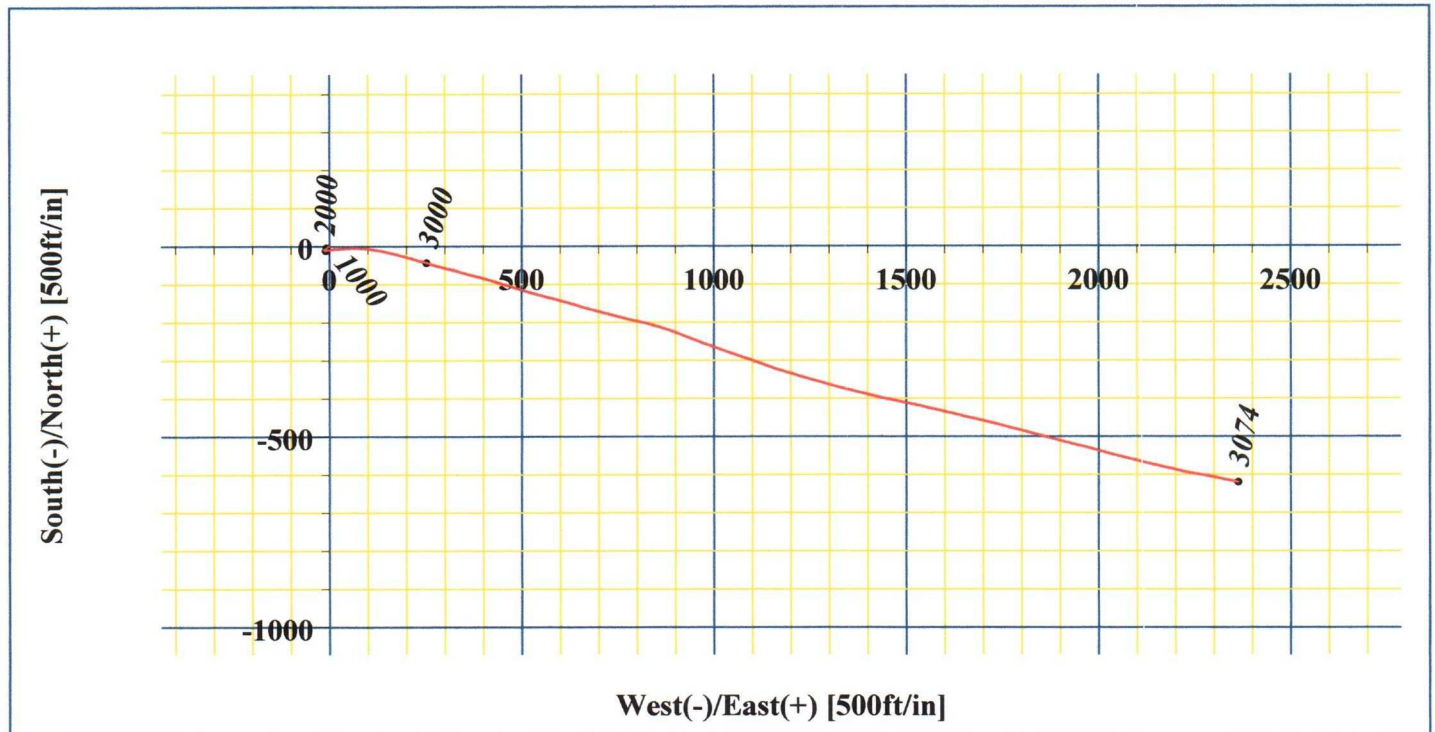
MD ft	TVD ft	
5300.00	3074.10	Survey is a projection to TD



Scientific
Drilling

Williams Production Co.

Field: Rio Arriba County, NM
Site: Rosa Unit #379
Well: #379
Wellpath: OH
Survey: Survey #1



BOTTOM HOLE CLOSURE
(Survey @ 5300' MD is a projection to TD)

2443.28 ft. 104.69° Azimuth

FINAL STATION
(Survey @ 5300' MD is a projection to TD)

5300.0' MD 3074.1' TVD
92.5° Angle 101.4° Azimuth
South 619.74 ft. East 2363.37 ft.
2443.24' Vert. Sec.