

WELL COMPLETION REPORT



Williams Production Company

Handwritten signature/initials

30-039-27625

Rosa Unit Com 129B

Rio Arriba County

New Mexico

Surface 1660/S 1875/W 34, 32N, 6W
BHL 1290/S 400/W

October 21, 2004 *NSL 5094*



**BAKER
HUGHES**

INTEQ

West Texas Area
2105 Market Street
Midland, Texas 79703
24 Hr (432) 694-9517
Fax (432) 694-5648

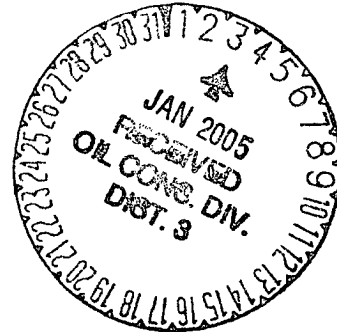


INTEQ

2105 Market Street
Midland, Texas 79703
Tel. (432) 694-9517
Fax (432) 694-5648

October 21, 2004

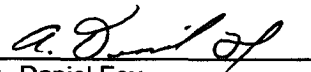
Attention: Mr. Gary Sizemore
Williams Production Co.
1 Williams Center
Suite 2500
Tulsa, OK 74172



Enclosed, please find the original and one copy of the survey performed on the referenced well by Baker Hughes INTEQ

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Ken Marley Surveyor	1	51' to 6525'	9/11/04-9/29/04	MWD & SS

If any other information is required, please contact the undersigned at the letterhead address and phone number.


A. Daniel Fox
Well Planner

Rosa Unit Com 129B
Rio Arriba County, New Mexico



INTEQ

2105 Market Street
Midland, Texas 79703
Tel. (432) 694-9517
Fax (432) 694-5648

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Ken Marley, certify that; I am employed by Baker Hughes INTEQ; that I did on the day(s) of 9/11/04 to 9/29/04 conduct or supervise the taking of a MWD survey from a depth of 51 feet to a depth of 6525 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes INTEQ; that I am authorized and qualified to make this report; that this survey was conducted at the request of Williams Production Company for the Rosa Unit Com 129B Well in Rio Arriba County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes INTEQ.


Ken Marley
Surveyor

Rosa Unit Com 129B
Rio Arriba County, New Mexico



INTEQ

2105 Market Street
Midland, Texas 79703
Tel. (432) 694-9517
Fax (432) 694-5648

Record of Survey

Williams Production Company

Rosa Unit Com 129B
Rio Arriba County, New Mexico

Thursday, October 21, 2004

Rosa Unit Com 129B
Rio Arriba County, New Mexico

Williams Production Company
Rosa Unit Com #129B

slot #1
Mesaverde
Rio Arriba, New Mexico

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : MWD
Our ref : svy2653
License :

Date printed : 21-Oct-2004
Date created : 27-Aug-2004
Last revised : 21-Oct-2004

Field is centred on n36 59 2.000,w107 26 53
Structure is centred on n36 56 2.000,w107 26 53

Slot location is n36 56 2.000,w107 26 53.000
Slot Grid coordinates are N 2159428.877, E 612604.546
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	
0.00	0.00	0.00	0.00	0.00	N	0.00	E	0.00
51.00	0.25	289.50	51.00	0.04	N	0.10	W	0.09
107.00	0.25	275.00	107.00	0.09	N	0.34	W	0.31
167.00	0.25	315.00	167.00	0.19	N	0.56	W	0.50
226.00	0.25	285.00	226.00	0.32	N	0.78	W	0.68
290.00	0.60	203.10	290.00	0.04	N	1.05	W	0.96
320.00	0.50	152.50	320.00	0.22	S	1.05	W	1.60
350.00	0.80	195.70	349.99	0.53	S	1.04	W	1.85
380.00	1.50	209.20	379.99	1.08	S	1.29	W	2.49
410.00	2.20	214.50	409.97	1.90	S	1.81	W	2.40
440.00	3.20	223.00	439.94	2.98	S	2.71	W	3.58
470.00	4.50	231.70	469.87	4.32	S	4.20	W	4.74
499.00	5.30	238.70	498.76	5.73	S	6.24	W	3.44
530.00	7.00	244.10	529.58	7.29	S	9.16	W	5.79
560.00	8.50	250.10	559.31	8.85	S	12.89	W	5.67
590.00	10.10	255.10	588.92	10.28	S	17.52	W	5.97
620.00	11.80	255.60	618.37	11.72	S	23.03	W	5.68
649.00	13.20	255.80	646.68	13.27	S	29.11	W	4.83
679.00	14.90	255.90	675.78	15.05	S	36.18	W	5.67
709.00	16.30	255.80	704.68	17.02	S	44.00	W	4.67
739.00	17.10	257.10	733.41	19.04	S	52.38	W	2.94
769.00	18.10	257.70	762.01	21.01	S	61.23	W	3.39
799.00	18.80	259.00	790.46	22.93	S	70.53	W	2.71
828.00	19.90	259.30	817.83	24.74	S	79.97	W	3.81
889.00	22.50	260.40	874.69	28.61	S	101.68	W	4.31
919.00	23.10	261.40	902.35	30.45	S	113.16	W	2.38
949.00	24.50	263.20	929.80	32.07	S	125.16	W	5.26
979.00	26.10	264.90	956.92	33.39	S	137.91	W	5.86
1010.00	27.80	264.30	984.55	34.71	S	151.89	W	5.55
1040.00	28.90	263.20	1010.95	36.27	S	166.05	W	4.06
1069.00	30.50	264.20	1036.14	37.84	S	180.33	W	5.78
1099.00	32.20	263.50	1061.76	39.52	S	195.85	W	5.80
1129.00	33.70	263.10	1086.94	41.42	S	212.06	W	5.05
1192.00	35.60	263.20	1138.76	45.69	S	247.62	W	3.02
1253.00	36.20	261.80	1188.17	50.36	S	283.08	W	1.67
1315.00	36.10	261.00	1238.24	55.83	S	319.24	W	0.78
1377.00	37.00	260.40	1288.04	61.80	S	355.68	W	1.56
1408.00	37.20	260.10	1312.77	64.97	S	374.11	W	0.87
1471.00	37.10	258.60	1362.98	72.00	S	411.49	W	1.45
1532.00	36.50	257.90	1411.83	79.44	S	447.27	W	1.20
1593.00	35.90	256.90	1461.05	87.29	S	482.43	W	1.38
1656.00	34.90	256.30	1512.41	95.75	S	517.93	W	1.68
1717.00	35.00	256.90	1562.40	103.85	S	551.92	W	0.59
1780.00	34.70	255.80	1614.11	112.34	S	586.90	W	1.11
1843.00	34.70	255.20	1665.90	121.32	S	621.63	W	0.54
1905.00	34.70	255.80	1716.87	130.16	S	655.80	W	0.55
1968.00	34.50	255.60	1768.73	138.99	S	690.46	W	0.37
2030.00	34.20	255.70	1819.92	147.66	S	724.35	W	0.49
2092.00	33.80	255.10	1871.32	156.40	S	757.90	W	0.84
2154.00	33.50	254.80	1922.93	165.32	S	791.08	W	0.55

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1580.14 on azimuth 255.94 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 255.92 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
2216.00	32.80	255.10	1974.84	174.13 S	823.82 W	1.16	841.43
2279.00	32.70	255.00	2027.83	182.92 S	856.75 W	0.18	875.51
2341.00	32.60	254.30	2080.03	191.77 S	889.00 W	0.63	908.95
2404.00	32.40	252.80	2133.16	201.36 S	921.47 W	1.32	942.77
2465.00	32.20	252.40	2184.72	211.10 S	952.57 W	0.48	975.31
2526.00	32.00	252.60	2236.40	220.85 S	983.49 W	0.37	1007.67
2589.00	31.80	252.60	2289.88	230.81 S	1015.25 W	0.32	1040.90
2652.00	31.90	252.50	2343.40	240.78 S	1046.97 W	0.18	1074.09
2715.00	32.00	252.00	2396.85	250.94 S	1078.72 W	0.45	1107.36
2775.00	31.90	252.00	2447.76	260.75 S	1108.92 W	0.17	1139.04
2837.00	30.20	252.00	2500.88	270.63 S	1139.33 W	2.74	1170.94
2889.00	28.60	252.00	2546.18	278.52 S	1163.61 W	3.08	1196.40
2962.00	26.50	252.20	2610.90	288.90 S	1195.73 W	2.88	1230.09
3025.00	24.60	250.50	2667.74	297.58 S	1221.48 W	3.23	1257.17
3086.00	22.70	250.60	2723.61	305.72 S	1244.55 W	3.12	1281.54
3149.00	21.50	251.80	2781.98	313.37 S	1266.98 W	2.04	1305.16
3211.00	19.10	252.50	2840.13	319.97 S	1287.46 W	3.89	1326.62
3272.00	17.50	252.50	2898.04	325.73 S	1305.72 W	2.62	1345.74
3335.00	16.50	257.00	2958.29	330.59 S	1323.47 W	2.62	1364.14
3398.00	15.50	257.00	3018.85	334.49 S	1340.39 W	1.59	1381.50
3461.00	14.50	251.90	3079.70	338.84 S	1356.09 W	2.63	1397.78
3524.00	14.60	255.90	3140.68	343.22 S	1371.29 W	1.60	1413.59
3587.00	13.60	255.80	3201.78	346.97 S	1386.17 W	1.59	1428.94
3616.00	12.90	255.70	3230.01	348.61 S	1392.62 W	2.42	1435.59
3649.00	12.70	255.80	3262.19	350.41 S	1399.70 W	0.61	1442.90
3680.00	12.50	255.70	3292.45	352.07 S	1406.26 W	0.65	1449.66
3712.00	11.70	255.80	3323.73	353.73 S	1412.76 W	2.50	1456.37
3742.00	10.70	255.90	3353.16	355.15 S	1418.41 W	3.33	1462.19
3773.00	10.00	255.80	3383.66	356.51 S	1423.81 W	2.26	1467.76
3805.00	9.20	255.90	3415.21	357.82 S	1428.98 W	2.50	1473.10
3835.00	8.60	255.90	3444.85	358.95 S	1433.48 W	2.00	1477.74
3867.00	8.20	255.90	3476.51	360.09 S	1438.02 W	1.25	1482.42
3898.00	7.50	255.60	3507.21	361.13 S	1442.12 W	2.26	1486.65
3930.00	7.00	255.90	3538.96	362.12 S	1446.04 W	1.57	1490.69
3961.00	6.50	255.40	3569.74	363.03 S	1449.57 W	1.62	1494.33
3992.00	5.50	255.70	3600.57	363.83 S	1452.70 W	3.23	1497.57
4022.00	4.50	255.60	3630.46	364.48 S	1455.24 W	3.33	1500.19
4075.00	2.50	255.60	3683.36	365.29 S	1458.37 W	3.77	1503.42
4525.00	2.00	265.00	4133.01	368.41 S	1475.70 W	0.14	1520.99
5028.00	1.50	255.00	4635.78	370.88 S	1490.80 W	0.12	1536.24
5526.00	1.50	250.00	5133.61	374.80 S	1503.22 W	0.03	1549.24
6022.00	1.75	253.00	5629.41	379.23 S	1516.57 W	0.05	1563.26
6525.00	1.75	255.00	6132.17	383.47 S	1531.33 W	0.01	1578.61
6575.00	1.75	255.00	6182.15	383.86 S	1532.81 W	0.00	1580.14

Projection
First SS Survey

Projection to TD

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1580.14 on azimuth 255.94 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 255.92 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Williams Production Company
Rosa Unit Com #129B, slot #1
Mesaverde, Rio Arriba, New Mexico

SURVEY LISTING Page 3
Your ref : MWD
Last revised : 21-Oct-2004

				<u>Comments in wellpath</u>
MD	TVD	Rectangular Coords.		Comment
290.00	290.00	0.04 N	1.05 W	First MWD Survey
4075.00	3683.36	365.29 S	1458.37 W	Projection
4525.00	4133.01	368.41 S	1475.70 W	First SS Survey
6575.00	6182.15	383.86 S	1532.81 W	Projection to TD

NO PROPOSAL