



INTEQ

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30-045-32186

June 24, 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


Name & Title
of Surveyor
Ken Marley
Surveyor

Drainhole Number
1

Surveyed Depths
96' to 5794'

Dates Performed
5/8/04-5/29/04

Type of Survey
MWD & SS

A plat on which the bottom hole location is oriented to the surface location is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


A. Daniel Fox
Well Planner

Cox Canyon Unit #4B
San Juan County, New Mexico

30-045-32186

Williams Production Company
Cox Canyon Unit # 4B

slot #1

San Juan County, New Mexico

Surface: 1550/N 2030/W
2323/N 2569/E

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

by
Baker Hughes INTEQ

Your ref : MWD survey
Our ref : svy2571
License :

Date printed : 24-Jun-2004
Date created : 10-May-2004
Last revised : 24-Jun-2004

Field is centred on n36 30 0.000,w108 30 0
Structure is centred on n36 50 0.000,w108 45 0

Slot location is n36 50 0.000,w108 45 0.000
Slot Grid coordinates are N 2123880.419, E 231733.039
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

Williams Production Company
Cox Canyon Unit # 4B, slot #1
San Juan County, New Mexico

SURVEY LISTING Page 1
Your ref : MWD survey
Last revised : 24-Jun-2004

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	0.00
96.00	0.50	146.00	96.00	0.35 S	0.23 E	0.52	0.41
176.00	0.25	146.00	176.00	0.78 S	0.53 E	0.31	0.91
271.00	0.25	136.00	271.00	1.10 S	0.79 E	0.05	1.32
328.00	0.70	251.20	327.99	1.30 S	0.54 E	1.47	1.27
361.00	0.50	233.10	360.99	1.46 S	0.24 E	0.83	1.15
391.00	1.60	192.30	390.99	1.94 S	0.04 E	4.21	1.32
420.00	1.80	164.90	419.98	2.78 S	0.08 E	2.86	1.90
451.00	3.00	156.40	450.95	3.99 S	0.53 E	4.03	3.05
481.00	3.80	156.40	480.89	5.62 S	1.24 E	2.67	4.66
512.00	4.80	149.80	511.81	7.68 S	2.30 E	3.59	6.83
542.00	5.00	149.40	541.70	9.89 S	3.60 E	0.68	9.27
572.00	5.40	144.80	571.57	12.17 S	5.08 E	1.92	11.89
602.00	6.20	141.70	601.42	14.60 S	6.90 E	2.86	14.86
632.00	6.90	140.60	631.22	17.26 S	9.05 E	2.37	18.23
662.00	7.60	138.10	660.98	20.13 S	11.51 E	2.56	21.99
691.00	7.70	136.70	689.73	22.97 S	14.13 E	0.73	25.83
720.00	8.40	135.30	718.44	25.89 S	16.95 E	2.51	29.88
749.00	9.40	133.90	747.09	29.04 S	20.15 E	3.53	34.36
780.00	9.80	129.70	777.66	32.48 S	24.00 E	2.60	39.52
810.00	10.30	129.00	807.20	35.80 S	28.05 E	1.72	44.75
841.00	10.90	130.10	837.67	39.43 S	32.44 E	2.04	50.45
873.00	11.40	129.40	869.06	43.39 S	37.20 E	1.62	56.64
904.00	12.00	130.10	899.42	47.41 S	42.04 E	1.99	62.92
935.00	12.60	130.10	929.71	51.66 S	47.09 E	1.94	69.52
998.00	14.20	130.40	990.99	61.10 S	58.23 E	2.54	84.12
1060.00	15.50	130.40	1050.92	71.40 S	70.33 E	2.10	100.00
1124.00	16.60	130.40	1112.42	82.86 S	83.80 E	1.72	117.69
1188.00	17.70	131.50	1173.58	95.24 S	98.05 E	1.79	136.56
1249.00	18.20	130.10	1231.61	107.52 S	112.28 E	1.08	155.36
1311.00	19.30	126.90	1290.32	119.91 S	127.89 E	2.43	175.25
1372.00	20.40	127.20	1347.69	132.39 S	144.42 E	1.81	195.89
1435.00	20.80	126.50	1406.66	145.68 S	162.15 E	0.75	217.98
1497.00	21.10	126.20	1464.57	158.82 S	180.01 E	0.51	240.05
1559.00	21.10	125.80	1522.41	171.94 S	198.07 E	0.23	262.26
1622.00	22.00	126.90	1581.00	185.66 S	216.70 E	1.57	285.30
1685.00	23.30	127.20	1639.14	200.27 S	236.06 E	2.07	309.48
1747.00	23.70	129.40	1696.00	215.60 S	255.46 E	1.55	334.16
1809.00	23.80	130.80	1752.75	231.68 S	274.56 E	0.92	359.12
1871.00	23.90	130.80	1809.46	248.06 S	293.53 E	0.16	384.18
1933.00	23.00	130.80	1866.34	264.18 S	312.21 E	1.45	408.85
1996.00	22.50	130.10	1924.44	279.99 S	330.75 E	0.90	433.21
2058.00	22.60	130.10	1981.70	295.30 S	348.94 E	0.16	456.98
2120.00	23.30	130.80	2038.79	310.99 S	367.33 E	1.21	481.15
2182.00	23.80	132.20	2095.62	327.41 S	385.88 E	1.21	505.92
2245.00	23.90	132.20	2153.24	344.52 S	404.75 E	0.16	531.39
2309.00	23.70	130.70	2211.80	361.61 S	424.11 E	1.00	557.22
2371.00	23.70	132.90	2268.57	378.22 S	442.68 E	1.43	582.13
2434.00	24.10	133.90	2326.17	395.76 S	461.22 E	0.90	607.64
2496.00	24.00	133.90	2382.79	413.28 S	479.43 E	0.16	632.89

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 1179.88 on azimuth 130.93 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 131.68 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

Williams Production Company
Cox Canyon Unit # 4B, slot #1
San Juan County, New Mexico

SURVEY LISTING Page 2
Your ref : MWD survey
Last revised : 24-Jun-2004

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
2556.00	24.40	132.80	2437.52	430.16 S	497.32 E	1.00	657.48
2618.00	24.30	132.60	2494.00	447.50 S	516.10 E	0.21	683.03
2646.00	24.30	132.20	2519.52	455.27 S	524.61 E	0.59	694.56
2709.00	24.00	131.50	2577.01	472.46 S	543.81 E	0.66	720.33
2741.00	24.20	131.80	2606.22	481.15 S	553.57 E	0.73	733.40
2802.00	24.30	134.60	2661.84	498.29 S	571.83 E	1.89	758.43
2865.00	24.30	134.90	2719.26	516.55 S	590.24 E	0.20	784.32
2927.00	24.50	133.90	2775.72	534.46 S	608.54 E	0.74	809.91
2990.00	24.80	134.60	2832.98	552.80 S	627.36 E	0.66	836.15
3051.00	24.60	134.80	2888.40	570.73 S	645.48 E	0.36	861.61
3114.00	24.60	134.80	2945.68	589.21 S	664.09 E	0.00	887.80
3206.00	23.90	134.20	3029.56	615.69 S	691.04 E	0.81	925.54
3325.00	23.00	127.00	3138.75	646.50 S	726.90 E	2.52	972.80
3387.00	22.50	127.00	3195.93	660.93 S	746.04 E	0.81	996.70
3434.00	21.50	127.00	3239.51	671.52 S	760.11 E	2.13	1014.24
3501.00	19.00	128.00	3302.36	685.63 S	778.51 E	3.77	1037.37
3560.00	17.00	131.00	3358.47	697.20 S	792.59 E	3.74	1055.58
3621.00	15.80	128.00	3416.99	708.17 S	805.86 E	2.41	1072.78
3683.00	15.00	126.00	3476.76	718.08 S	819.01 E	1.55	1089.19
3744.00	14.50	126.00	3535.75	727.21 S	831.57 E	0.82	1104.65
3805.00	13.75	126.00	3594.91	735.96 S	843.61 E	1.23	1119.46
3900.00	12.75	128.00	3687.38	749.05 S	861.01 E	1.16	1141.16
3992.00	10.20	136.00	3777.54	761.16 S	874.67 E	3.26	1159.41
4116.00	7.00	137.00	3900.13	774.59 S	887.45 E	2.58	1177.89
4241.00	5.00	137.00	4024.44	784.14 S	896.36 E	1.60	1190.90
4363.00	3.00	137.00	4146.13	790.37 S	902.17 E	1.64	1199.37
4518.00	2.00	136.00	4300.98	795.28 S	906.81 E	0.65	1206.11
4672.00	0.50	136.00	4454.94	797.70 S	909.15 E	0.97	1209.46
4859.00	1.25	246.00	4641.93	799.11 S	907.85 E	0.80	1209.43
5043.00	3.00	306.00	4825.81	797.10 S	902.12 E	1.42	1203.81
5173.00	2.25	311.00	4955.67	793.43 S	897.44 E	0.60	1197.88
5358.00	1.25	321.00	5140.59	789.47 S	893.43 E	0.56	1192.25
5545.00	1.25	306.00	5327.54	786.69 S	890.50 E	0.17	1188.21
5732.00	1.00	14.00	5514.51	783.91 S	889.24 E	0.68	1185.42
5794.00	0.75	11.00	5576.51	782.98 S	889.45 E	0.41	1184.97
6570.00	0.75	11.00	6352.44	773.01 S	891.39 E	0.00	1179.78 Projection to TD

Comments in wellpath

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MD	TVD	Rectangular Coords.	Comment
6570.00	6352.44	773.01 S 891.39 E	Projection to TD

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 1179.88 on azimuth 130.93 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 131.68 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ



INTEQ

Williams Production Company

Created by: dcm
Date plotted: 24-Jun-2004
Plot Reference to Plan no.1.Coordinates are in feet reference structure.
True Vertical Depths are reference structure.
Above
--- Baker Hughes INTEQ ---

Structure : Cox Canyon Unit # 4B

Slot : slot #1

Field :

Location : San Juan County, New Mexico

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00
Target End of build	1333.86	23.35	131.68	1308.23	-124.78	140.14	187.64	2.50
Target End of hold	3330.54	23.35	131.69	3141.42	-651.01	731.10	978.94	0.00
Target Drop to vertica	4064.49	4.99	131.68	3850.00	-770.00	864.72	1157.86	2.50
Target End of Drop	4397.83	0.01	132.40	4182.91	-779.67	875.58	1172.40	1.50
T.D. & Target TD	6606.92	0.01	312.40	6392.00	-779.67	875.58	1172.40	0.00

