

**DAVID H. ARRINGTON
SURVEY REPORT**

**MAY FLY 14 STATE COM NO.5
LEA COUNTY, NEW MEXICO**

SUR: 330/W & 530/W
BHL: 340/W & 359/W
D- 14-165-35e.
30-025-3485

**BAKER HUGHES INTEQ
WEST TEXAS DISTRICT**

April 25, 2000



INTEQ

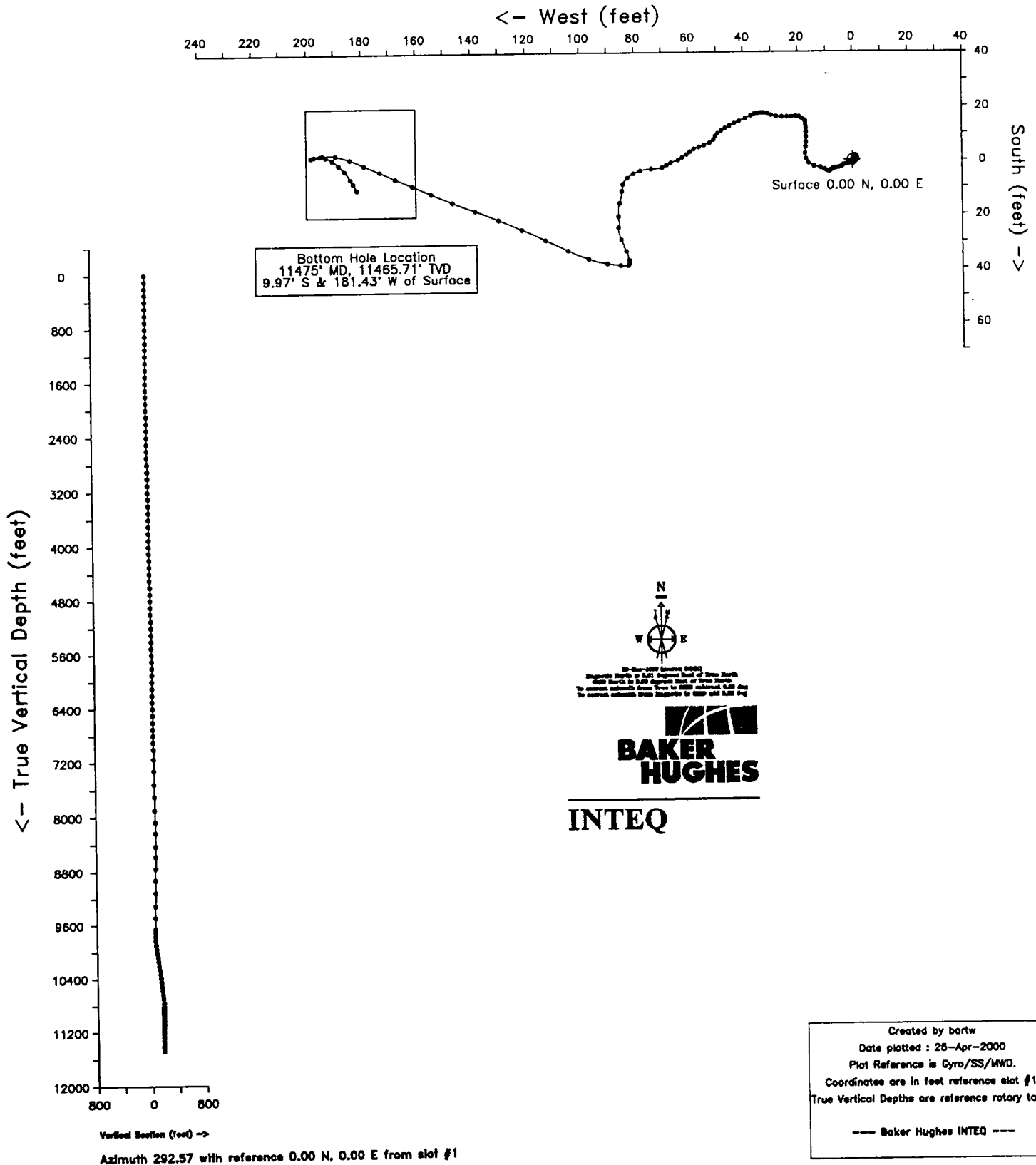
David H. Arrington Oil & Gas, Inc.

Structure : May Fly 14 State Com No.5

Slot : slot #1

Field :

Location : LEA COUNTY, NEW MEXICO



David H. Arrington Oil & Gas, Inc.
May Fly 14 State Com No.5

slot #1

LEA COUNTY, NEW MEXICO

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

by
Baker Hughes INTEQ

Your ref : Gyro/SS/MWD
Our ref : svy1342
License :

Date printed : 25-Apr-2000
Date created : 18-Jan-2000
Last revised : 25-Apr-2000

Field is centred on n32 58 13.100,w103 14 15.6
Structure is centred on n32 58 13.100,w103 14 15.6

Slot location is n32 58 13.100,w103 14 15.600
Slot Grid coordinates are N 718458.262, E 836033.931
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866
Reference North is Grid North

David H. Arrington Oil & Gas, Inc.
May Fly 14 State Com No.5, slot #1
, LEA COUNTY, NEW MEXICO

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
100.00	0.67	12.83	100.00	0.57 N	0.13 F	0.10
200.00	0.61	37.12	199.99	1.57 N	0.58 E	0.06
300.00	0.30	151.01	299.99	1.76 N	1.03 E	-0.28
400.00	0.26	94.02	399.99	1.52 N	1.39 E	-0.70
500.00	0.32	170.53	499.99	1.22 N	1.66 E	-1.07
600.00	0.05	244.87	599.99	0.93 N	1.67 E	-1.19
700.00	0.34	147.93	699.99	0.66 N	1.79 E	-1.40
800.00	0.35	205.09	799.98	0.14 N	1.82 E	-1.63
900.00	0.18	297.86	899.98	0.06 S	1.55 E	-1.46
1000.00	0.18	199.66	999.98	0.14 S	1.36 E	-1.31
1100.00	0.38	252.13	1099.98	0.39 S	0.99 E	-1.07
1200.00	0.05	202.54	1199.98	0.54 S	0.66 E	-0.81
1300.00	0.47	253.38	1299.98	0.70 S	0.24 E	-0.49
1400.00	0.10	275.05	1399.98	0.81 S	0.24 W	-0.09
1500.00	0.48	233.36	1499.98	1.06 S	0.66 W	0.21
1600.00	0.57	259.01	1599.97	1.40 S	1.49 W	0.83
1700.00	0.51	265.94	1699.97	1.53 S	2.41 W	1.64
1800.00	0.47	238.87	1799.97	1.77 S	3.21 W	2.28
1900.00	0.56	232.34	1899.96	2.28 S	3.94 W	2.76
2000.00	0.71	253.65	1999.96	2.75 S	4.92 W	3.49
2100.00	0.59	274.42	2099.95	2.89 S	6.03 W	4.46
2200.00	0.48	235.71	2199.95	3.08 S	6.89 W	5.17
2300.00	0.65	239.04	2299.94	3.61 S	7.71 W	5.74
2400.00	0.36	252.60	2399.94	3.99 S	8.50 W	6.32

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 181.71 on azimuth 266.85 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 292.57 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

David H. Arrington Oil & Gas, Inc.
May Fly 14 State Com No.5, slot #1
, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 2
Your ref : Gyro/SS/MWD
Last revised : 25-Apr-2000

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
2500.00	0.46	305.15	2499.93	3.86 S 9.13 W	0.37	6.95
2600.00	0.79	299.16	2599.93	3.29 S 10.06 W	0.33	8.02
2700.00	1.23	281.60	2699.91	2.74 S 11.71 W	0.54	9.76
2800.00	1.48	288.32	2799.88	2.12 S 13.99 W	0.30	12.10
2900.00	1.14	313.30	2899.86	1.03 S 15.93 W	0.66	14.32
3000.00	0.98	345.69	2999.84	0.48 N 16.87 W	0.61	15.76
3100.00	1.45	357.23	3099.82	2.57 N 17.14 W	0.52	16.82
3200.00	1.20	8.33	3199.79	4.87 N 17.05 W	0.35	17.62
3300.00	1.02	1.74	3299.78	6.80 N 16.87 W	0.23	18.19
3400.00	1.05	357.23	3399.76	8.60 N 16.89 W	0.09	18.90
3500.00	0.77	6.97	3499.75	10.19 N 16.85 W	0.32	19.47
3600.00	0.96	351.37	3599.73	11.68 N 16.90 W	0.30	20.09
3700.00	0.68	6.75	3699.72	13.10 N 16.95 W	0.35	20.68
3800.00	0.43	348.99	3799.72	14.06 N 16.95 W	0.30	21.05
3900.00	0.48	304.82	3899.72	14.67 N 17.37 W	0.35	21.67
4000.00	0.86	307.64	3999.71	15.37 N 18.31 W	0.38	22.80
4100.00	0.57	283.49	4099.70	15.94 N 19.38 W	0.41	24.02
4200.00	0.92	271.07	4199.69	16.07 N 20.67 W	0.39	25.25
4300.00	0.86	259.30	4299.68	15.95 N 22.21 W	0.19	26.63
4400.00	1.15	278.95	4399.67	15.96 N 23.94 W	0.45	28.23
4500.00	1.03	260.51	4499.65	15.97 N 25.82 W	0.37	29.97
4600.00	1.19	283.78	4599.63	16.07 N 27.72 W	0.47	31.76
4700.00	1.05	295.80	4699.61	16.72 N 29.54 W	0.27	33.70
4800.00	0.93	284.83	4799.60	17.32 N 31.15 W	0.23	35.41
4900.00	0.62	268.75	4899.59	17.51 N 32.47 W	0.37	36.70

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 181.71 on azimuth 266.85 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 292.57 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

David H. Arrington Oil & Gas, Inc.
May Fly 14 State Com No.5, slot #1
, LEA COUNTY, NEW MEXICO

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
5000.00	0.61	261.15	4999.58	17.42 N	0.08	37.65
5100.00	0.57	263.00	5099.58	17.28 N	0.05	38.53
5200.00	0.71	260.60	5199.57	17.12 N	0.14	39.49
5300.00	1.11	240.71	5299.56	16.54 N	0.51	40.61
5400.00	1.47	241.00	5399.53	15.45 N	0.35	42.01
5500.00	1.37	254.77	5499.50	14.51 N	0.35	43.75
5600.00	1.06	236.50	5599.48	13.69 N	0.50	45.21
5700.00	1.15	241.68	5699.46	12.70 N	0.14	46.35
5800.00	0.91	247.31	5799.45	11.92 N	0.25	47.55
5900.00	1.07	234.57	5899.43	11.07 N	0.27	48.60
6000.00	0.81	234.44	5999.42	10.12 N	0.26	49.47
6100.00	0.72	199.94	6099.41	9.12 N	0.46	49.81
6200.00	1.04	210.48	6199.40	7.75 N	0.36	49.91
6300.00	1.33	250.06	6299.38	6.57 N	0.85	50.89
6400.00	1.13	243.16	6399.35	5.73 N	0.25	52.39
6500.00	1.13	253.77	6499.33	5.01 N	0.21	53.79
6600.00	1.09	242.52	6599.32	4.30 N	0.22	55.17
6700.00	0.90	235.03	6699.30	3.40 N	0.23	56.21
6800.00	1.04	230.17	6799.29	2.37 N	0.16	57.05
6900.00	0.96	235.93	6899.27	1.33 N	0.13	57.93
7000.00	1.10	240.60	6999.25	0.39 N	0.16	58.98
7150.00	1.12	254.55	7149.23	0.71 S	0.18	61.01
7321.00	0.25	184.00	7320.22	1.52 S	0.62	62.21
7521.00	1.00	254.00	7520.20	2.44 S	0.47	63.43
7704.00	1.50	269.00	7703.16	2.92 S	0.32	66.87

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 181.71 on azimuth 266.85 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 292.57 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

David H. Arrington Oil & Gas, Inc.
May Fly 14 State Com No.5, slot #1
, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 4
Your ref : Gyro/SS/MWD
Last revised : 25-Apr-2000

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
7895.00	1.00	251.80	7894.11	3.48 S	0.32	70.43
8075.00	0.75	239.00	8074.09	4.58 S	0.18	72.32
8232.00	1.25	229.00	8231.07	6.23 S	0.34	73.69
8432.00	0.50	189.00	8431.05	8.53 S	0.46	74.46
8579.00	1.50	184.00	8578.02	11.08 S	0.68	73.69
8754.00	1.50	199.00	8752.96	15.53 S	0.22	72.82
8928.00	1.75	174.00	8926.89	20.33 S	0.43	71.41
9116.00	0.75	194.00	9114.85	24.38 S	0.57	69.85
9316.00	2.00	159.00	9314.79	28.90 S	0.73	67.25
9491.00	1.10	153.00	9489.72	33.25 S	0.52	63.87
9661.00	1.30	169.00	9659.69	36.60 S	0.23	61.56
9712.00	1.10	172.70	9710.68	37.65 S	0.42	60.99
9775.00	1.30	250.80	9773.67	38.49 S	2.41	61.22
9838.00	3.80	274.70	9836.60	38.55 S	4.23	63.74
9900.00	5.50	279.20	9898.39	37.91 S	2.80	68.59
9963.00	7.00	288.20	9961.02	36.23 S	2.84	75.36
10025.00	8.30	296.60	10022.47	33.04 S	2.76	83.59
10087.00	8.70	296.30	10083.79	28.96 S	0.65	92.73
10150.00	8.60	293.30	10146.07	24.99 S	0.73	102.20
10212.00	8.60	292.10	10207.37	21.41 S	0.29	111.47
10275.00	8.40	290.60	10269.68	18.02 S	0.47	120.78
10337.00	7.90	292.00	10331.05	14.83 S	0.87	129.56
10399.00	7.50	292.80	10392.50	11.66 S	0.67	137.87
10461.00	6.50	294.10	10454.03	8.66 S	1.63	145.42
10524.00	5.90	294.80	10516.66	5.85 S	0.96	152.22

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Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 181.71 on azimuth 266.85 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 292.57 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

David H. Arrington Oil & Gas, Inc.
May Fly 14 State Com No.5, slot #1
, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 5
Your ref : Gyro/SS/MWD
Last revised : 25-Apr-2000

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
10586.00	5.80	293.40	10578.34	3.27 S	0.28	158.54
10649.00	5.40	293.70	10641.04	0.81 S	0.64	164.69
10711.00	5.20	290.30	10702.77	1.34 N	0.60	170.41
10774.00	4.80	280.90	10765.54	2.82 N	1.44	175.85
10836.00	3.80	263.30	10827.36	3.07 N	2.65	180.18
10899.00	2.30	255.00	10890.27	2.50 N	2.48	183.00
10962.00	0.60	80.00	10953.26	2.23 N	4.60	183.73
11025.00	1.60	80.50	11016.25	2.44 N	1.59	182.70
11089.00	1.90	88.60	11080.22	2.61 N	0.61	180.98
11151.00	2.20	104.00	11142.18	2.35 N	1.01	178.86
11214.00	2.70	124.50	11205.12	1.21 N	1.59	176.21
11277.00	2.70	132.90	11268.05	0.64 S	0.63	173.37
11339.00	3.10	139.20	11329.97	2.90 S	0.82	170.50
11401.00	3.60	148.10	11391.87	5.82 S	1.16	167.42
11432.00	3.70	151.80	11422.80	7.53 S	0.83	165.85
11475.00	3.70	151.80	11465.71	9.97 S	0.00	163.70 PROJECTED TO TD

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 181.71 on azimuth 266.85 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 292.57 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ