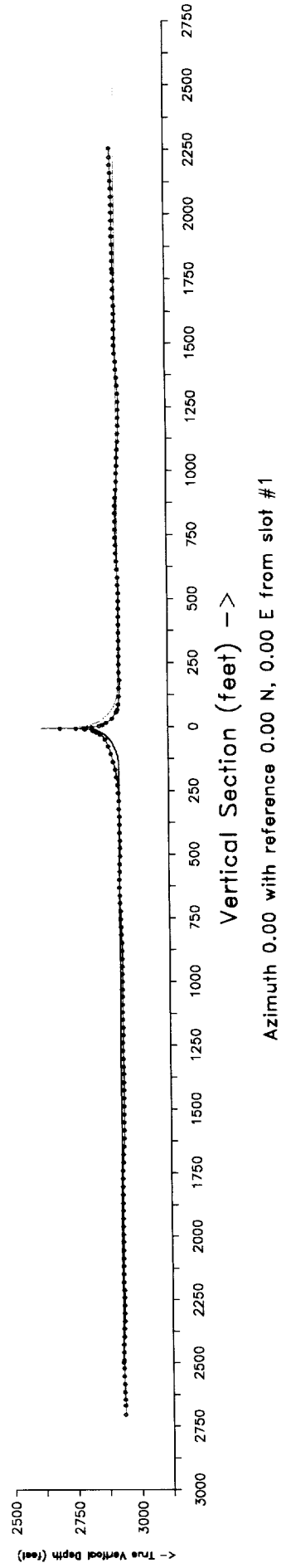
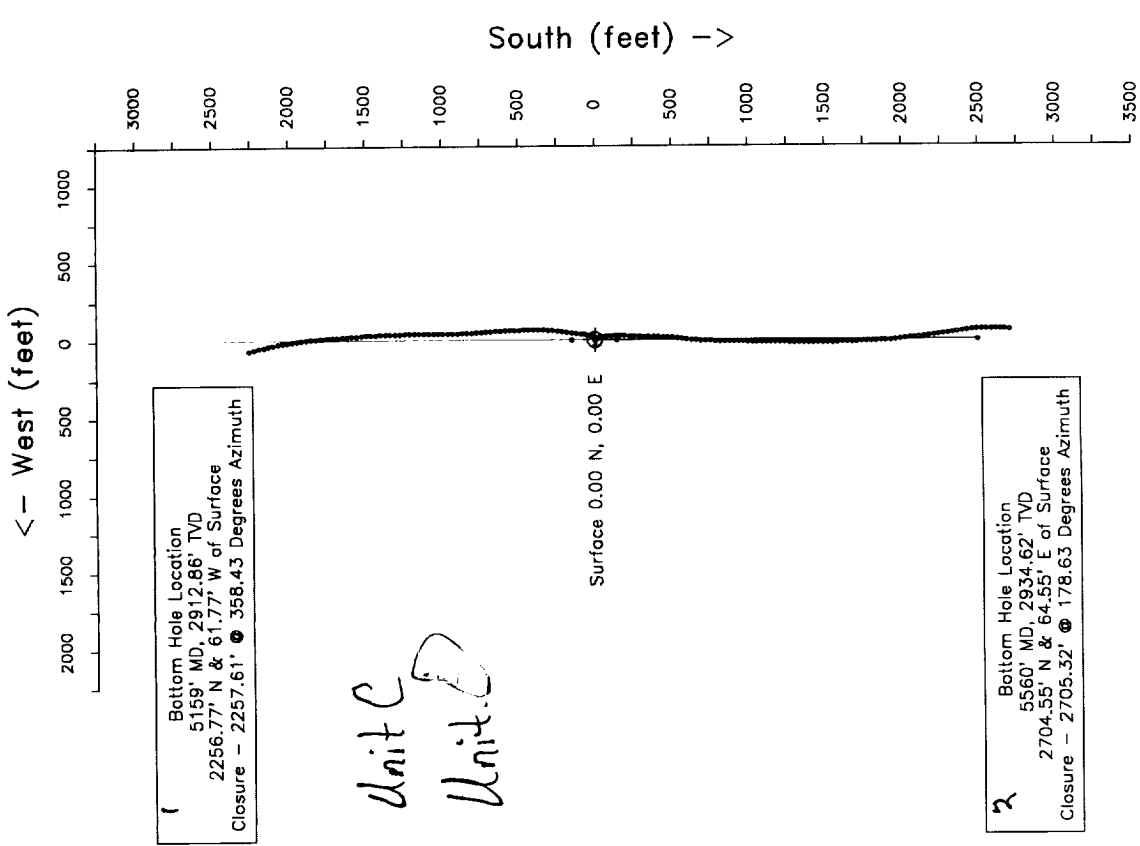
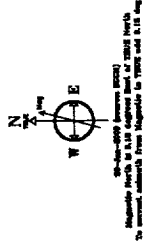


QUEEN SAND OPERATING COMPANY

Structure : DQSU No.58 Slot : slot #1
 Field : CAPROCK Location : CHAVES COUNTY, NEW MEXICO

Created by borbw
 Date plotted : 3-Mar-2000
 Plot Reference is South lateral.
 Coordinates are in feet reference slot #1.
 True Vertical Depths are reference rotary table.
 --- Baker Hughes INTEQ ---

SUR: F-15-14s-31e
 2470 N & 2640 W
 BHL <1> 213 N & 2588 W
 BHL <2> 5175 N & 2705 W Unit C



Azimuth 0.00 with reference 0.00 N, 0.00 E from slot #1

Received
Hobbs
000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

QUEEN SAND OPERATING COMPANY
DQSU No.58

slot #1
CAPROCK
CHAVES COUNTY, NEW MEXICO

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

by
Baker Hughes INTEQ

Your ref : North
Our ref : svy1352
License :

Date printed : 3-Mar-2000
Date created : 3-Feb-2000
Last revised : 15-Feb-2000

Field is centred on n33 5 0.000,w103 55 0
Structure is centred on n33 5 0.000,w103 55 0

Slot location is n33 5 0.000,w103 55 0.000
Slot Grid coordinates are N 758084.198, E 627623.269
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North



QUEEN SAND OPERATING COMPANY
DQSU No.58,slot #1
CAPROCK, CHAVES 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	0.17	340.08	100.00	0.14 N	0.05 W	0.14
200.00	0.35	219.24	200.00	0.04 N	0.29 W	0.04
300.00	0.06	14.10	300.00	0.14 S	0.47 W	-0.14
400.00	0.28	272.77	400.00	0.08 S	0.71 W	-0.08
500.00	0.28	219.00	500.00	0.26 S	1.10 W	-0.26
600.00	0.26	101.91	600.00	0.50 S	1.04 W	-0.50
700.00	0.32	39.43	700.00	0.33 S	0.64 W	-0.33
800.00	0.34	100.25	799.99	0.16 S	0.17 W	-0.16
900.00	0.64	62.43	899.99	0.04 N	0.62 E	0.04
1000.00	0.31	101.32	999.99	0.25 N	1.38 E	0.25
1100.00	0.34	81.24	1099.99	0.24 N	1.94 E	0.24
1200.00	0.44	101.77	1199.98	0.21 N	2.61 E	0.21
1300.00	0.22	180.62	1299.98	0.06 S	2.98 E	-0.06
1400.00	0.43	145.10	1399.98	0.56 S	3.19 E	-0.56
1500.00	0.44	101.12	1499.98	0.95 S	3.79 E	-0.95
1600.00	0.36	168.31	1599.98	1.33 S	4.23 E	-1.33
1700.00	0.57	128.79	1699.97	1.95 S	4.68 E	-1.95
1800.00	0.67	129.10	1799.97	2.63 S	5.52 E	-2.63
1900.00	0.45	132.11	1899.96	3.26 S	6.26 E	-3.26
2000.00	0.62	151.45	1999.96	4.00 S	6.81 E	-4.00
2100.00	0.48	131.10	2099.95	4.75 S	7.39 E	-4.75
2200.00	0.48	162.51	2199.95	5.42 S	7.83 E	-5.42
2300.00	0.72	146.88	2299.94	6.35 S	8.30 E	-6.35
2400.00	0.43	105.35	2399.94	6.97 S	9.00 E	-6.97

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2257.61 on azimuth 358.43 degrees from wellhead.

Vertical section is from wellhead on azimuth 0.00 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
2500.00	0.10	126.15	2499.94	7.13 S 9.44 E	0.34	-7.13
2600.00	0.28	109.58	2599.94	7.26 S 9.74 E	0.19	-7.26
2700.00	0.51	80.98	2699.94	7.27 S 10.41 E	0.30	-7.27
2764.00	0.53	78.74	2763.93	7.17 S 10.98 E	0.04	-7.17
2795.00	3.60	20.70	2794.91	6.23 S 11.46 E	10.81	-6.23
2827.00	9.80	31.60	2826.68	2.97 S 13.25 E	19.69	-2.97
2856.00	19.10	27.80	2854.73	3.35 N 16.76 E	32.22	3.35
2871.00	24.60	25.30	2868.65	8.34 N 19.24 E	37.18	8.34
2887.00	31.40	22.10	2882.77	15.22 N 22.24 E	43.51	15.22
2917.00	47.10	18.30	2905.93	33.01 N 28.67 E	52.92	33.01
2948.00	66.10	11.20	2922.93	57.94 N 35.05 E	64.14	57.94
2958.00	71.80	9.10	2926.52	67.13 N 36.69 E	60.27	67.13
2980.00	84.40	7.40	2931.05	88.39 N 39.77 E	57.77	88.39
3012.00	88.20	7.00	2933.11	120.06 N 43.77 E	11.94	120.06
3043.00	87.00	7.00	2934.41	150.81 N 47.54 E	3.87	150.81
3074.00	91.40	8.10	2934.85	181.53 N 51.61 E	14.63	181.53
3105.00	90.80	8.10	2934.25	212.21 N 55.98 E	1.94	212.21
3136.00	88.90	4.90	2934.33	243.01 N 59.49 E	12.00	243.01
3167.00	90.70	5.60	2934.44	273.87 N 62.33 E	6.23	273.87
3198.00	90.20	2.80	2934.20	304.79 N 64.60 E	9.17	304.79
3229.00	90.50	1.70	2934.01	335.76 N 65.81 E	3.68	335.76
3261.00	91.10	1.00	2933.56	367.75 N 66.57 E	2.88	367.75
3292.00	90.30	359.30	2933.18	398.75 N 66.65 E	6.06	398.75
3323.00	89.80	358.90	2933.15	429.74 N 66.16 E	2.07	429.74
3354.00	90.80	358.20	2932.99	460.73 N 65.38 E	3.94	460.73

All data is in feet unless otherwise stated.

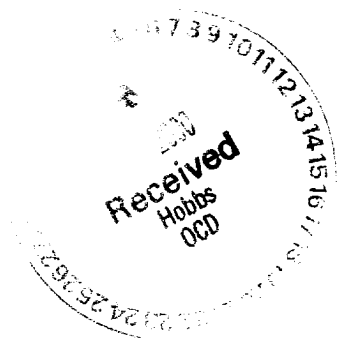
Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2257.61 on azimuth 358.43 degrees from wellhead.

Vertical section is from wellhead on azimuth 0.00 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ



QUEEN SAND OPERATING COMPANY
DQSU No.58,slot #1
CAPROCK,CHAVES 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
3385.00	89.80	357.90	2932.83	491.71 N 522.68 N 553.66 N 584.61 N 615.53 N	3.37 2.35 11.18 4.79 3.60	491.71 522.68 553.66 584.61 615.53
3416.00	90.00	357.20	2932.88	64.32 E 63.00 E 62.13 E 61.65 E 60.59 E		
3447.00	92.50	359.60	2932.21			
3478.00	93.60	358.60	2930.56			
3509.00	93.40	357.50	2928.67			
3540.00	92.30	356.10	2927.12	58.86 E 56.76 E 54.69 E 52.70 E 50.59 E	5.74 0.65 1.77 3.18 6.77	646.45 677.35 709.25 740.15 771.07
3571.00	92.50	356.10	2925.83			
3603.00	92.90	356.50	2924.32			
3634.00	92.00	356.10	2922.99			
3665.00	89.90	356.10	2922.48			
3696.00	89.30	356.10	2922.70	48.48 E 46.48 E 45.05 E 43.99 E 43.05 E	1.94 2.33 5.52 3.37 3.19	802.00 832.93 863.89 894.85 925.80
3727.00	88.70	356.50	2923.24			
3758.00	88.50	358.20	2923.99			
3789.00	87.50	357.90	2925.08			
3820.00	86.80	358.60	2926.62			
3851.00	87.00	359.60	2928.29	956.75 N 988.72 N 1019.70 N 1050.67 N 1082.64 N	3.29 6.18 2.16 1.44 2.21	956.75 988.72 1019.70 1050.67 1082.64
3883.00	88.40	1.00	2929.58	42.56 E 42.73 E 43.19 E 43.46 E 43.43 E		
3914.00	87.80	0.70	2930.61			
3945.00	87.60	0.30	2931.85			
3977.00	87.50	359.60	2933.22			
4007.00	86.60	359.30	2934.76	43.14 E 42.56 E 41.78 E 41.02 E 40.24 E	3.16 2.69 4.06 3.87 3.13	1112.60 1144.55 1176.51 1207.50 1239.49
4039.00	87.10	358.60	2936.52			
4071.00	88.40	358.60	2937.78			
4102.00	89.60	358.60	2938.32			
4134.00	90.60	358.60	2938.26			

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2257.61 on azimuth 358.43 degrees from wellhead.
Vertical section is from wellhead on azimuth 0.00 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
4165.00	91.20	358.60	2937.77	1270.48 N 39.48 E	1.94	1270.48
4197.00	91.50	358.20	2937.02	1302.45 N 38.59 E	1.56	1302.45
4229.00	92.40	358.90	2935.93	1334.43 N 37.78 E	3.56	1334.43
4260.00	93.30	358.20	2934.39	1365.38 N 36.99 E	3.68	1365.38
4292.00	93.70	358.20	2932.44	1397.30 N 35.99 E	1.25	1397.30
4323.00	93.90	357.90	2930.38	1428.22 N 34.94 E	1.16	1428.22
4355.00	94.40	357.50	2928.07	1460.11 N 33.66 E	2.00	1460.11
4386.00	93.30	357.20	2925.99	1491.00 N 32.23 E	3.68	1491.00
4417.00	90.90	355.10	2924.85	1521.91 N 30.15 E	10.28	1521.91
4449.00	89.30	355.10	2924.79	1553.79 N 27.41 E	5.00	1553.79
4481.00	90.70	356.10	2924.79	1585.69 N 24.96 E	5.38	1585.69
4512.00	89.80	355.80	2924.66	1616.62 N 22.77 E	3.06	1616.62
4543.00	91.10	356.50	2924.41	1647.54 N 20.69 E	4.76	1647.54
4575.00	91.00	356.50	2923.83	1679.48 N 18.73 E	0.31	1679.48
4606.00	89.60	356.50	2923.67	1710.42 N 16.84 E	4.52	1710.42
4637.00	91.50	356.80	2923.37	1741.36 N 15.03 E	6.20	1741.36
4668.00	91.80	355.80	2922.48	1772.29 N 13.03 E	3.37	1772.29
4684.00	91.80	356.10	2921.97	1788.24 N 11.90 E	1.87	1788.24
4715.00	90.60	355.10	2921.32	1819.14 N 9.52 E	5.04	1819.14
4746.00	91.40	354.70	2920.78	1850.01 N 6.77 E	2.89	1850.01
4778.00	91.10	354.40	2920.08	1881.86 N 3.73 E	1.33	1881.86
4810.00	90.60	354.40	2919.61	1913.70 N 0.61 E	1.56	1913.70
4840.00	90.50	353.60	2919.32	1943.54 N 2.53 W	2.69	1943.54
4872.00	90.40	351.90	2919.07	1975.28 N 6.57 W	5.32	1975.28
4904.00	90.60	350.50	2918.79	2006.90 N 11.46 W	4.42	2006.90

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2257.61 on azimuth 358.43 degrees from wellhead.
Vertical section is from wellhead on azimuth 0.00 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
4934.00	90.40	349.40	2918.53	2036.44 N 16.70 W	3.73	2036.44
4965.00	90.20	349.40	2918.37	2066.91 N 22.40 W	0.65	2066.91
4997.00	91.30	349.40	2917.95	2098.36 N 28.28 W	3.44	2098.36
5028.00	91.50	348.40	2917.19	2128.77 N 34.25 W	3.29	2128.77
5059.00	91.50	348.40	2916.38	2159.13 N 40.48 W	0.00	2159.13
5091.00	92.30	348.00	2915.32	2190.43 N 47.02 W	2.79	2190.43
5123.00	92.00	347.30	2914.12	2221.67 N 53.86 W	2.38	2221.67
5159.00	92.00	347.30	2912.86	2256.77 N 61.77 W	0.00	2256.77

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from rotary table.
 Bottom hole distance is 2257.61 on azimuth 358.43 degrees from wellhead.
 Vertical section is from wellhead on azimuth 0.00 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

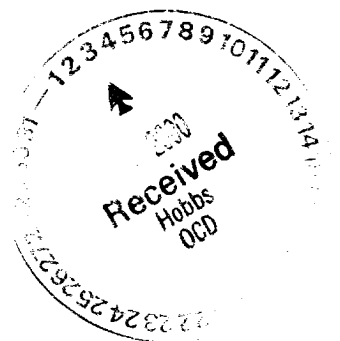


QUEEN SAND OPERATING COMPANY
DQSU No.58,slot #1
CAPROCK, CHAVES COUNTY, NEW MEXICO

SURVEY LISTING Page 6
Your ref : North
Last revised : 15-Feb-2000

Targets associated with this wellpath

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
		2929.00	2500.00N	0.00E 21-Oct-1999



QUEEN SAND OPERATING COMPANY
DQSU No.58

slot #1
CAPROCK
CHAVES COUNTY, NEW MEXICO

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

by
Baker Hughes INTEQ

Your ref : South
Our ref : svy1355
License :

Date printed : 3-Mar-2000
Date created : 14-Feb-2000
Last revised : 3-Mar-2000

Field is centred on n33 5 0.000,w103 55 0
Structure is centred on n33 5 0.000,w103 55 0

Slot location is n33 5 0.000,w103 55 0.000
Slot Grid coordinates are N 758084.198, E 627623.269
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North



Measured Depth	Inclin. Degrees	Azimuth Degrees	True 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
100.00	0.17	340.08	100.00	0.14 N 0.05 W	0.17	0.14
200.00	0.35	219.24	200.00	0.04 N 0.29 W	0.46	0.04
300.00	0.06	14.10	300.00	0.14 S 0.47 W	0.41	-0.14
400.00	0.28	272.77	400.00	0.08 S 0.71 W	0.30	-0.08
500.00	0.28	219.00	500.00	0.26 S 1.10 W	0.25	-0.26
600.00	0.26	101.91	600.00	0.50 S 1.04 W	0.46	-0.50
700.00	0.32	39.43	700.00	0.33 S 0.64 W	0.31	-0.33
800.00	0.34	100.25	799.99	0.16 S 0.17 W	0.33	-0.16
900.00	0.64	62.43	899.99	0.04 N 0.62 E	0.43	0.04
1000.00	0.31	101.32	999.99	0.25 N 1.38 E	0.44	0.25
1100.00	0.34	81.24	1099.99	0.24 N 1.94 E	0.12	0.24
1200.00	0.44	101.77	1199.98	0.21 N 2.61 E	0.17	0.21
1300.00	0.22	180.62	1299.98	0.06 S 2.98 E	0.45	-0.06
1400.00	0.43	145.10	1399.98	0.56 S 3.19 E	0.28	-0.56
1500.00	0.44	101.12	1499.98	0.95 S 3.79 E	0.33	-0.95
1600.00	0.36	168.31	1599.98	1.33 S 4.23 E	0.45	-1.33
1700.00	0.57	128.79	1699.97	1.95 S 4.68 E	0.37	-1.95
1800.00	0.67	129.10	1799.97	2.63 S 5.52 E	0.10	-2.63
1900.00	0.45	132.11	1899.96	3.26 S 6.26 E	0.22	-3.26
2000.00	0.62	151.45	1999.96	4.00 S 6.81 E	0.25	-4.00
2100.00	0.48	131.10	2099.95	4.75 S 7.39 E	0.24	-4.75
2200.00	0.48	162.51	2199.95	5.42 S 7.83 E	0.26	-5.42
2300.00	0.72	146.88	2299.94	6.35 S 8.30 E	0.29	-6.35
2400.00	0.43	105.35	2399.94	6.97 S 9.00 E	0.49	-6.97

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from rotary table.
 Bottom hole distance is 2705.32 on azimuth 178.63 degrees from wellhead.
 Vertical section is from wellhead on azimuth 0.00 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ



QUEEN SAND OPERATING COMPANY
DQSU No.58,slot #1
CAPROCK, CHAVES COUNTY, NEW MEXICO

SURVEY LISTING Page 2
Your ref : South
Last revised : 3-Mar-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	0.10	126.15	2499.94	7.13 S 9.44 E	0.34	-7.13
2600.00	0.28	109.58	2599.94	7.26 S 9.74 E	0.19	-7.26
2700.00	0.51	80.98	2699.94	7.27 S 10.41 E	0.30	-7.27
2799.00	2.30	161.70	2798.91	9.09 S 11.47 E	2.30	-9.09
2831.00	20.10	167.70	2830.17	15.12 S 12.85 E	55.67	-15.12
2846.00	29.00	167.00	2843.80	21.19 S 14.22 E	59.36	-21.19
2862.00	38.20	165.90	2857.11	29.79 S 16.30 E	57.62	-29.79
2890.00	57.00	169.80	2875.91	49.93 S 20.53 E	67.90	-49.93
2921.00	70.20	173.00	2889.67	77.32 S 24.63 E	43.57	-77.32
2952.00	72.70	175.80	2899.53	106.57 S 27.49 E	11.76	-106.57
2983.00	74.60	178.60	2908.26	136.27 S 28.94 E	10.61	-136.27
3014.00	77.60	180.30	2915.71	166.36 S 29.23 E	11.04	-166.36
3045.00	80.90	181.70	2921.49	196.80 S 28.69 E	11.53	-196.80
3077.00	84.60	182.50	2925.53	228.52 S 27.53 E	11.83	-228.52
3108.00	87.80	182.10	2927.58	259.42 S 26.29 E	10.40	-259.42
3139.00	87.70	183.20	2928.80	290.37 S 24.85 E	3.56	-290.37
3170.00	87.50	182.80	2930.10	321.30 S 23.23 E	1.44	-321.30
3201.00	88.90	182.10	2931.07	352.25 S 21.91 E	5.05	-352.25
3232.00	89.10	182.50	2931.61	383.22 S 20.67 E	1.44	-383.22
3263.00	88.90	182.10	2932.15	414.19 S 19.42 E	1.44	-414.19
3294.00	88.30	181.70	2932.91	445.17 S 18.39 E	2.33	-445.17
3325.00	88.80	182.80	2933.69	476.13 S 17.18 E	3.90	-476.13
3356.00	91.90	184.90	2933.51	507.06 S 15.10 E	12.08	-507.06
3387.00	92.40	184.90	2932.34	537.92 S 12.45 E	1.61	-537.92
3418.00	92.30	186.00	2931.07	568.75 S 9.51 E	3.56	-568.75

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2705.32 on azimuth 178.63 degrees from wellhead.

Vertical section is from wellhead on azimuth 0.00 degrees.

Calculation uses the minimum curvature method.

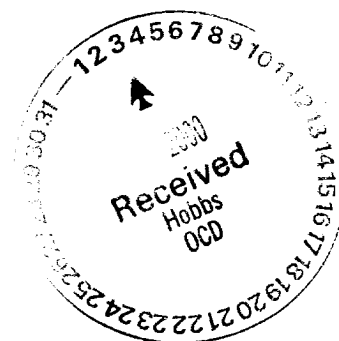
Presented by Baker Hughes INTEQ



QUEEN SAND OPERATING COMPANY
DQSU No.58,slot #1
CAPROCK, CHAVES 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	
3449.00	90.80	188.10	2930.23	599.51 S	5.71 E	8.32	-599.51
3480.00	90.10	187.40	2929.99	630.22 S	1.52 E	3.19	-630.22
3512.00	87.60	184.60	2930.63	662.03 S	1.82 W	11.73	-662.03
3543.00	87.60	182.50	2931.93	692.95 S	3.74 W	6.77	-692.95
3574.00	88.80	181.80	2932.90	723.91 S	4.90 W	4.48	-723.91
3605.00	88.10	182.50	2933.74	754.87 S	6.06 W	3.19	-754.87
3636.00	87.50	181.70	2934.93	785.83 S	7.20 W	3.22	-785.83
3667.00	88.20	180.30	2936.09	816.80 S	7.74 W	5.05	-816.80
3698.00	86.70	180.00	2937.47	847.77 S	7.82 W	4.93	-847.77
3729.00	89.80	180.30	2938.42	878.75 S	7.90 W	10.05	-878.75
3760.00	90.80	181.00	2938.26	909.75 S	8.25 W	3.94	-909.75
3791.00	89.50	182.10	2938.18	940.74 S	9.09 W	5.49	-940.74
3820.00	88.90	181.70	2938.58	969.72 S	10.05 W	2.49	-969.72
3849.00	91.00	181.40	2938.61	998.71 S	10.84 W	7.31	-998.71
3880.00	90.30	181.40	2938.26	1029.69 S	11.59 W	2.26	-1029.69
3909.00	89.40	181.00	2938.33	1058.69 S	12.20 W	3.40	-1058.69
3939.00	90.60	180.00	2938.33	1088.69 S	12.46 W	5.21	-1088.69
3969.00	89.80	180.00	2938.23	1118.68 S	12.46 W	2.67	-1118.68
3999.00	88.90	179.60	2938.57	1148.68 S	12.36 W	3.28	-1148.68
4029.00	88.60	180.30	2939.22	1178.67 S	12.33 W	2.54	-1178.67
4059.00	91.00	181.70	2939.33	1208.67 S	12.85 W	9.26	-1208.67
4089.00	91.20	182.10	2938.75	1238.65 S	13.85 W	1.49	-1238.65
4121.00	88.90	181.40	2938.72	1270.63 S	14.83 W	7.51	-1270.63
4152.00	89.10	181.40	2939.26	1301.61 S	15.58 W	0.65	-1301.61
4183.00	90.30	182.50	2939.43	1332.59 S	16.64 W	5.25	-1332.59

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2705.32 on azimuth 178.63 degrees from wellhead.
Vertical section is from wellhead on azimuth 0.00 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
4214.00	90.70	181.70	2939.16	1363.57 S	2.89	-1363.57
4246.00	89.40	180.70	2939.13	1395.56 S	5.13	-1395.56
4277.00	89.40	179.60	2939.45	1426.56 S	3.55	-1426.56
4308.00	89.90	179.60	2939.64	1457.56 S	1.61	-1457.56
4340.00	90.30	179.30	2939.59	1489.56 S	1.56	-1489.56
4371.00	90.40	178.60	2939.40	1520.55 S	2.28	-1520.55
4402.00	90.00	177.90	2939.29	1551.54 S	2.60	-1551.54
4434.00	89.90	177.20	2939.32	1583.51 S	2.21	-1583.51
4466.00	91.30	177.90	2938.98	1615.48 S	4.89	-1615.48
4497.00	92.10	178.60	2938.06	1646.45 S	3.43	-1646.45
4529.00	93.00	178.60	2936.64	1678.41 S	2.81	-1678.41
4561.00	92.80	178.20	2935.02	1710.35 S	1.40	-1710.35
4592.00	90.80	177.90	2934.04	1741.32 S	6.52	-1741.32
4624.00	91.60	177.50	2933.37	1773.28 S	2.79	-1773.28
4655.00	91.10	177.90	2932.64	1804.25 S	2.07	-1804.25
4687.00	88.90	178.20	2932.64	1836.23 S	6.94	-1836.23
4719.00	90.20	179.60	2932.90	1868.22 S	5.97	-1868.22
4749.00	90.20	178.20	2932.79	1898.22 S	4.67	-1898.22
4781.00	89.00	174.70	2933.01	1930.15 S	11.56	-1930.15
4813.00	88.90	173.30	2933.60	1961.97 S	4.39	-1961.97
4844.00	90.00	173.00	2933.90	1992.74 S	3.68	-1992.74
4875.00	90.40	173.70	2933.79	2023.53 S	2.60	-2023.53
4907.00	91.10	174.00	2933.37	2055.35 S	2.38	-2055.35
4939.00	90.70	173.70	2932.87	2087.16 S	1.56	-2087.16
4969.00	89.60	171.90	2932.79	2116.92 S	7.03	-2116.92

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2705.32 on azimuth 178.63 degrees from wellhead.

Vertical section is from wellhead on azimuth 0.00 degrees.

Calculation uses the minimum curvature method.

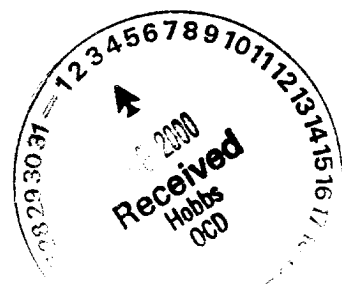
Presented by Baker Hughes INTEQ



QUEEN SAND OPERATING COMPANY
 DQSU No.58,slot #1
 CAPROCK, CHAVES 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	88.90	170.50	2933.20	2147.55 S	5.05	-2147.55
5032.00	88.40	172.30	2933.95	2179.18 S	5.84	-2179.18
5065.00	88.50	173.70	2934.84	2211.92 S	4.25	-2211.92
5094.00	88.70	172.60	2935.55	2240.71 S	3.85	-2240.71
5126.00	90.40	174.00	2935.80	2272.49 S	6.88	-2272.49
5158.00	90.80	173.30	2935.47	2304.29 S	2.52	-2304.29
5189.00	91.30	172.60	2934.90	2335.05 S	2.77	-2335.05
5220.00	91.20	172.30	2934.22	2365.77 S	1.02	-2365.77
5252.00	91.90	172.30	2933.36	2397.47 S	2.19	-2397.47
5282.00	92.50	172.30	2932.21	2427.18 S	2.00	-2427.18
5314.00	89.80	172.60	2931.56	2458.89 S	8.49	-2458.89
5346.00	88.90	175.40	2931.93	2490.71 S	9.19	-2490.71
5378.00	89.60	177.90	2932.35	2522.65 S	8.11	-2522.65
5410.00	90.40	182.10	2932.35	2554.64 S	13.36	-2554.64
5441.00	88.40	181.40	2932.67	2585.63 S	6.84	-2585.63
5472.00	87.10	179.30	2933.89	2616.60 S	7.96	-2616.60
5503.00	89.60	181.40	2934.78	2647.58 S	10.53	-2647.58
5526.00	90.30	182.10	2934.80	2670.57 S	4.30	-2670.57
5560.00	90.30	182.10	2934.62	2704.55 S	0.00	-2704.55

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from rotary table.
 Bottom hole distance is 2705.32 on azimuth 178.63 degrees from wellhead.
 Vertical section is from wellhead on azimuth 0.00 degrees.
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QUEEN SAND OPERATING COMPANY
DQSU No.58,slot #1
CAPROCK, CHAVES COUNTY, NEW MEXICO

SURVEY LISTING Page 6
Your ref : South
Last revised : 3-Mar-2000

Targets associated with this wellpath

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Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
		2929.00	2500.00N	0.00E 21-Oct-1999

