



PERMIAN RESOURCES

Structure : Hilburn #3

Slot : slot #1

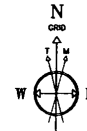
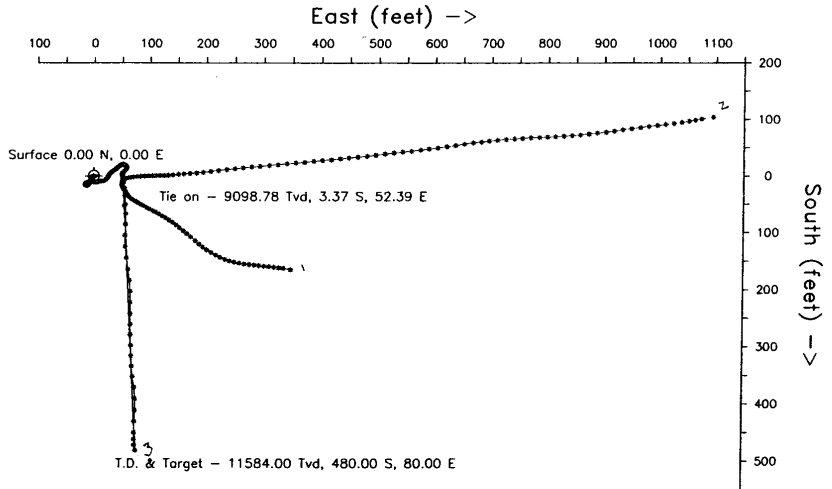
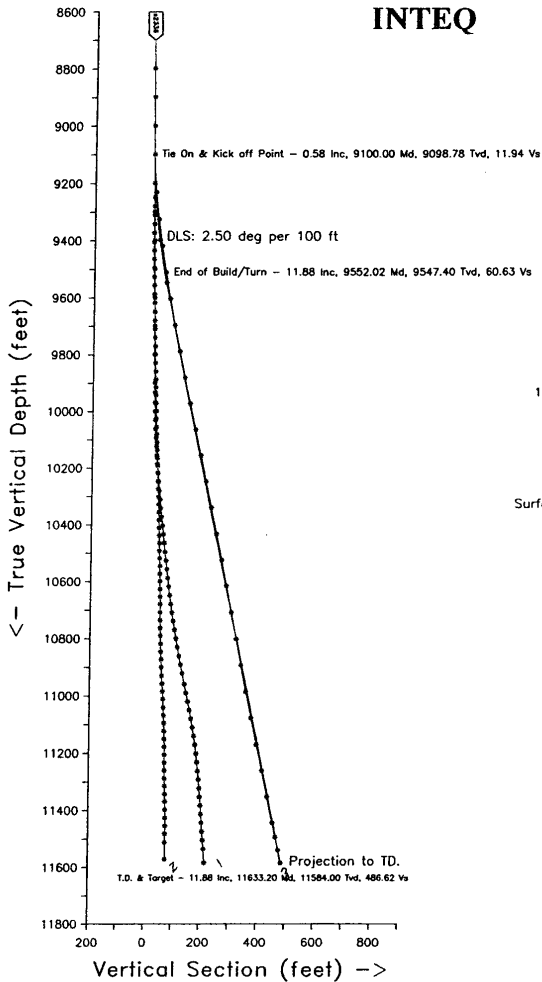
Field : Red Hills

Location : LEA COUNTY, NEW MEXICO

INTEQ

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
KOP	9100.00	0.58	177.45	9098.78	-3.37	52.39	11.94	0.00
End of Build/Turn	9552.02	11.88	176.68	9547.40	-52.27	55.19	60.63	2.50
T.D. & Target	11633.20	11.88	176.68	11584.00	-480.00	80.00	486.62	0.00



12-Aug-2003 (source: BGSN)
Magnetic North is 8.47 degrees East of True North
GRID North is 0.45 degrees East of True North
To correct azimuth from True to GRID subtract 0.45 deg

Created by: danf
Date plotted : 22-Aug-2003
Plot Reference is P1 3DJ RH.
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.
hillpva
--- Baker Hughes INTEQ ---

SUR: D-13-16s-36e, 510/N & 250/W
SIDE TRACK 3
BHL: D-13-16s-36e, 980/N & 327/W
API # 30-025-35596

PERMIAN RESOURCES
Hilburn #3

slot #1
Red Hills
LEA COUNTY, NEW MEXICO

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

by
B aker Hughes INTEQ

Your ref : Sidetrak #2
Our ref : svy2335
License :

Date printed : 22-Aug-2003
Date created : 15-Aug-2003
Last revised : 22-Aug-2003

Field is centred on 761252.370,412852.070,999.00000,N
Structure is centred on 761252.370,412852.070,999.00000,N

Slot location is n32 58 13.000,w103 14 15.000
Slot Grid coordinates are N 718448.687, E 836085.155
Slot local coordinates are 305596.62 N 74832.79 E

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

Reference North is Grid North

PERMIAN RESOURCES
Hilburn #3, slot #1
Red Hills, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 1
Your ref : Sidetrak #2
Last revised : 22-Aug- 2003

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	G R I D Easting	C O O R D S Northing
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	836085.16	718448.69
100.00	0.20	240.68	100.00	0.09S	0.15W	0.20	0.06	836085.00	718448.60
200.00	0.35	224.93	200.00	0.39S	0.52W	0.17	0.30	836084.63	718448.30
300.00	0.40	231.87	300.00	0.82S	1.01W	0.07	0.64	836084.14	718447.87
400.00	0.50	252.07	399.99	1.17S	1.70W	0.19	0.87	836083.45	718447.52
500.00	0.25	201.37	499.99	1.51S	2.19W	0.39	1.13	836082.96	718447.18
600.00	0.30	192.82	599.99	1.96S	2.33W	0.06	1.55	836082.82	718446.72
700.00	0.32	181.87	699.99	2.50S	2.40W	0.06	2.07	836082.76	718446.19
800.00	0.25	168.63	799.99	2.99S	2.37W	0.10	2.56	836082.79	718445.69
900.00	0.23	175.60	899.99	3.41S	2.31W	0.04	2.98	836082.85	718445.28
1000.00	0.25	210.08	999.99	3.79S	2.40W	0.14	3.35	836082.75	718444.89
1100.00	0.27	202.72	1099.98	4.20S	2.60W	0.04	3.72	836082.55	718444.49
1200.00	0.32	206.33	1199.98	4.67S	2.82W	0.05	4.14	836082.34	718444.02
1300.00	0.58	216.43	1299.98	5.33S	3.24W	0.27	4.72	836081.91	718443.36
1400.00	0.75	222.87	1399.97	6.21S	3.99W	0.19	5.47	836081.17	718442.47
1500.00	0.88	227.32	1499.96	7.21S	5.00W	0.14	6.29	836080.16	718441.47
1600.00	0.78	227.65	1599.95	8.19S	6.06W	0.10	7.08	836079.09	718440.49
1700.00	0.78	228.97	1699.94	9.10S	7.08W	0.02	7.81	836078.07	718439.59
1800.00	0.63	228.93	1799.94	9.91S	8.01W	0.15	8.45	836077.15	718438.78
1900.00	0.75	241.08	1899.93	10.58S	9.00W	0.19	8.96	836076.16	718438.10
2000.00	0.85	244.57	1999.92	11.22S	10.24W	0.11	9.38	836074.92	718437.47
2100.00	1.07	255.68	2099.91	11.77S	11.81W	0.29	9.67	836073.34	718436.92
2200.00	1.10	241.68	2199.89	12.45S	13.56W	0.27	10.06	836071.59	718436.23
2300.00	0.67	208.97	2299.88	13.42S	14.69W	0.65	10.82	836070.46	718435.27
2400.00	0.70	195.48	2399.87	14.52S	15.14W	0.16	11.84	836070.02	718434.17
2500.00	0.62	145.25	2499.86	15.55S	14.99W	0.56	12.88	836070.16	718433.13
2600.00	0.80	109.32	2599.86	16.23S	14.02W	0.47	13.70	836071.13	718432.46
2700.00	0.98	95.37	2699.84	16.54S	12.51W	0.28	14.26	836072.64	718432.15
2800.00	1.03	67.98	2799.83	16.28S	10.83W	0.48	14.28	836074.33	718432.40
2900.00	1.10	50.53	2899.81	15.34S	9.26W	0.33	13.61	836075.90	718433.35

3000.00	1.27	40.18	2999.79	13.88S	7.80W	0.27	12.41	836077.36	718434.81
3100.00	1.38	41.87	3099.76	12.14S	6.28W	0.12	10.94	836078.87	718436.55
3200.00	1.58	68.68	3199.73	10.74S	4.19W	0.71	9.90	836080.96	718437.95
3300.00	1.40	81.53	3299.70	10.06S	1.70W	0.38	9.64	836083.4	5 718438.63
3400.00	0.95	106.18	3399.68	10.11S	0.30E	0.67	10.02	836085.46	718438.58
3500.00	1.08	112.42	3499.66	10.70S	1.97E	0.17	10.88	836087.13	718437.99
3600.00	1.42	85.03	3599.64	10.95S	4.08E	0.68	11.47	836089.23	718437.74
3700.00	1.40	76.60	3699.61	10.56S	6.50E	0.21	11.49	836091.65	718438.13
3800.00	1.68	77.03	3799.57	9.95S	9.12E	0.28	11.31	836094.27	718438.74
3900.00	1.65	81.10	3899.53	9.40S	11.97E	0.12	11.24	836097.12	718439.29
4000.00	1.48	82.05	3999.49	9.00S	14.67E	0.17	11.28	836099.82	718439.69
4100.00	1.52	72.43	4099.46	8.42S	17.21E	0.25	11.13	836102.37	718440.27
4200.00	1.35	60.02	4199.43	7.43S	19.50E	0.35	10.53	836104.65	718441.26
4300.00	1.42	50.58	4299.40	6.05S	21.47E	0.24	9.50	836106.63	718442.63
4400.00	1.47	45.62	4399.37	4.37S	23.35E	0.13	8.15	836108.50	718444.32
4500.00	1.10	35.15	4499.34	2.69S	24.82E	0.44	6.73	836109.97	718446.00
4600.00	1.15	29.32	4599.32	1.03S	25.86E	0.12	5.26	836111.02	718447.66
4700.00	1.17	19.53	4699.30	0.81N	26.69E	0.20	3.59	836111.85	718449.50
4800.00	1.05	26.80	4799.28	2.59N	27.45E	0.18	1.96	836112.60	718451.28
4900.00	1.00	41.07	4899.27	4.07N	28.44E	0.26	0.66	836113.59	718452.75

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 476.81 on azimuth 170.66 degrees from wellhead.

Vertical section is from N 0.00 W 0.00 on azimuth 170.54 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

PERMIAN RESOURCES
Hilburn #3, slot #1
Red Hills, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 2
Your ref : Sidetrak #2
Last revised : 22-Aug- 2003

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	G R I D Easting	C O O R D S Northing
5000.00	1.00	45.67	4999.25	5.33N	29.63E	0.08	- 0.39	836114.79	718454.02
5100.00	0.90	52.80	5099.24	6.42N	30.88E	0.15	- 1.26	836116.04	718455.11
5200.00	0.97	54.23	5199.22	7.39N	32.20E	0.07	- 2.00	836117.35	718456.08
5300.00	1.02	55.37	5299.21	8.39N	33.61E	0.05	-2.7 5	836118.77	718457.08
5400.00	1.10	53.58	5399.19	9.46N	35.12E	0.09	- 3.56	836120.27	718458.15
5500.00	1.32	56.78	5499.17	10.67N	36.86E	0.23	-4.46	836122.01	718459.35
5600.00	1.03	51.02	5599.15	11.86N	38.52E	0.31	- 5.37	836123.67	718460.55
5700.00	1.13	50.05	5699.13	13.06N	39.97E	0.10	-6.31	836125.13	718461.75
5800.00	1.25	52.75	5799.11	14.35N	41.60E	0.13	- 7.32	836126.75	718463.04
5900.00	1.07	54.13	5899.09	15.56N	43.22E	0.18	- 8.25	836128.38	718464.25
6000.00	1.00	51.65	5999.07	16.65N	44.66E	0.08	- 9.08	836129.82	718465.34
6100.00	0.82	47.33	6099.06	17.68N	45.87E	0.19	- 9.90	836131.03	718466.36
6200.00	0.68	51.32	6199.05	18.53N	46.86E	0.15	- 10.58	836132.02	718467.22
6300.00	0.57	64.32	6299.05	19.12N	47.77E	0.18	- 11.01	836132.93	718467.81
6400.00	0.57	67.78	6399.04	19.52N	48.68E	0.03	- 11.26	836133.84	718468.21
6500.00	0.50	76.35	6499.04	19.81N	49.57E	0.11	- 11.40	836134.72	718468.50
6600.00	0.48	69.03	6599.03	20.07N	50.38E	0.07	- 11.51	836135.54	718468.75
6700.00	0.48	82.00	6699.03	20.27N	51.19E	0.11	- 11.59	836136.34	718468.96
6800.00	0.40	94.37	6799.03	20.31N	51.95E	0.12	- 11.49	836137.11	718468.99
6900.00	0.53	97.35	6899.02	20.22N	52.76E	0.13	- 11.27	836137.91	718468.91
7000.00	0.50	99.15	6999.02	20.09N	53.65E	0.03	- 11.00	836138.80	718468.78
7100.00	0.53	117.92	7099.02	19.81N	54.49E	0.17	- 10.58	836139.64	718468.49
7200.00	0.52	112.27	7199.01	19.42N	55.31E	0.05	-10.06	836140.47	718468.10
7300.00	0.73	120.40	7299.01	18.92N	56.28E	0.23	- 9.41	836141.44	718467.61
7400.00	0.80	129.52	7399.00	18.16N	57.37E	0.14	-8.48	836142.53	718466.84
7500.00	1.12	144.22	7498.98	16.92N	58.48E	0.40	- 7.08	836143.64	718465.61
7600.00	1.07	169.27	7598.96	15.21N	59.23E	0.48	-5.27	836144.38	718463.90
7700.00	1.17	208.87	7698.95	13.40N	58.91E	0.76	- 3.53	836144.06	718462.08

7800.00	1.15	215.62	7798.93	11.69N	57.83E	0.14	- 2.02	836142.99	718460.37
7900.00	1.30	226.17	7898.90	10.09N	56.43E	0.27	- 0.67	836141.58	718458.77
8000.00	1.32	229.13	7998.88	8.55N	54.74E	0.07	0.57	836139.89	718457.23
8100.00	1.17	231.92	8098.85	7.16N	53.06E	0.16	1.66	836138.22	718455.85
8200.00	1.05	226.60	8198.84	5.90N	51.59E	0.16	2.66	836136.75	718454.59
8300.00	0.60	208.40	8298.82	4.81N	50.68E	0.52	3.58	836135.83	718453.50
8400.00	0.52	176.15	8398.82	3.90N	50.46E	0.32	4.45	836135.62	718452.59
8500.00	0.63	165.22	8498.82	2.92N	50.63E	0.15	5.44	836135.79	718451.60
8600.00	0.72	161.60	8598.81	1.79N	50.97E	0.10	6.61	836136.13	718450.48
8700.00	0.65	158.98	8698.80	0.66N	51.37E	0.08	7.79	836136.53	718449.35
8800.00	0.65	164.25	8798.79	0.41S	51.73E	0.06	8.91	836136.88	718448.27
8900.00	0.60	161.47	8898.79	1.45S	52.05E	0.06	9.99	836137.21	718447.23
9000.00	0.53	170.52	8998.78	2.41S	52.29E	0.11	10.97	836137.45	718446.28
9100.00	0.58	177.45	9098.78	3.37S	52.39E	0.08	11.93	836137.55	718445.32
9232.00	5.60	167.40	9230.55	10.33S	53.83E	3.81	19.03	836138.98	718438.36
9327.00	7.20	175.90	9324.95	20.79S	55.26E	1.95	29.59	836140.42	718427.90
9421.00	9.50	176.90	9417.95	34.41S	56.10E	2.45	43.17	836141.26	718414.27
9515.00	9.60	175.50	9510.65	49.97S	57.14E	0.27	58.68	836142.29	718398.71
9609.00	10.40	178.70	9603.22	66.27S	57.95E	1.04	74.89	836143.10	718382.42
9704.00	12.00	181.50	9696.41	84.71S	57.88E	1.78	93.08	836143.04	718363.97
9798.00	11.90	183.30	9788.37	104.16S	57.07E	0.41	112.12	836142.22	718344.53
9892.00	12.20	173.80	9880.31	123.71S	57.58E	2.13	131.49	836142.74	718324.98

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 476.81 on azimuth 170.66 degrees from wellhead.

Vertical section is from N 0.00 W 0.00 on azimuth 170.54 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

PERMIAN RESOURCES
Hilburn #3, slot #1
Red Hills, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 3
Your ref : Sidetrak #2
Last revised : 22-Aug- 2003

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	G R I D C O O R D S Easting Northing	
<i>And Ko</i> 9986.00	12.60	171.70	9972.12	143.73S	60.14E	0.64	151.66	836145.29	718304.96
10080.00	12.20	172.00	10063.92	163.71S	63.00E	0.43	171.84	836148.15	718284.98
10174.00	12.00	170.60	10155.83	183.19S	65.98E	0.38	191.54	836151.13	718265.50
10268.00	11.90	178.70	10247.80	202.52S	67.79E	1.79	210.91	836152.95	718246.17
10362.00	11.50	179.40	10339.85	221.58S	68.11E	0.45	229.76	836153.27	718227.11
10457.00	12.40	180.10	10432.79	241.25S	68.19E	0.96	249.17	836153.35	718207.44
10551.00	11.00	178.00	10524.84	260.30S	68.49E	1.56	268.02	836153.64	718188.38
10644.00	11.10	177.60	10616.11	278.12S	69.17E	0.14	285.70	836154.33	718170.57
10739.00	11.20	178.00	10709.32	296.47S	69.88E	0.13	303.93	836155.03	718152.21
10834.00	11.40	177.30	10802.48	315.07S	70.64E	0.26	322.40	836155.80	718133.62
10927.00	10.60	176.00	10893.77	332.79S	71.67E	0.90	340.04	836156.83	718115.90
11021.00	12.00	172.40	10985.94	351.10S	73.57E	1.67	358.41	836158.72	718097.59
11115.00	11.30	170.30	11078.01	369.86S	76.41E	0.87	377.39	836161.57	718078.83
11210.00	13.00	178.70	11170.88	389.72S	78.22E	2.58	397.28	836163.38	718058.97
11303.00	11.90	181.20	11261.70	409.77S	78.26E	1.32	417.06	836163.41	718038.92
11396.00	12.10	181.50	11352.66	429.10S	77.80E	0.23	436.05	836162.96	718019.59
11489.00	12.80	180.10	11443.48	449.14S	77.53E	0.82	455.78	836162.68	717999.54
11540.00	12.50	180.40	11493.24	460.31S	77.48E	0.60	466.79	836162.64	717988.38
11587.00	12.50	180.40	11539.12	470.48S	77.41E	0.00	476.81	836162.57	717978.20

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 476.81 on azimuth 170.66 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 170.54 degrees.

Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

PERMIAN RESOURCES
Hilburn #3,slot #1
Red Hills,LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 4
Your ref : Sidetrak #2
Last revised : 22-Aug- 2003

		Comments in wellpath	
		=====	=====
MD	TVD	Rectangular Coords.	Comment

11587.00	11539.12	470.48S	77.41E Projection to TD.

NO PROPOSAL