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SURVEY OF RECORD



FOR
ARCO PERMIAN
GALILEO STATE COM. NO.1
Eddy Co., New Mexico

3/18/96
BAKER HUGHES INTEQ
2105 MARKET STREET
MIDLAND TEXAS
915-694-9517
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Azimuth 312.13 with reference 0.00 N, 0.00 E from slot #1

ARCO PERMIAN
GALILEO STATE COM NO. 1

slot #1
UNKNOWN
EDDY CO., NEW MEXICO

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

by
Baker Hughes INTEQ

Your ref :
Our ref : svy821
License :

Date printed : 18-Mar-97
Date created : 12-Feb-97
Last revised : 17-Mar-97

Field is centred on 0.000,0.000,0.00000,+
Structure is centred on n32 40 0.000,w104 20 0

Slot location is n32 40 0.000,w104 20 0.000
Slot Grid coordinates are N 606244.473, E 500000.000
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

ARCO PERMIAN
GALILEO STATE COM NO. 1, slot #1
UNKNOWN, EDDY CO., NEW MEXICO

SURVEY LISTING Page 1
Your ref :
Last revised : 17-Mar-97

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 E	0.00	0.00
100.00	0.36	315.27	100.00	0.22 W	0.36	0.31
200.00	0.32	316.48	200.00	0.65 N	0.04	0.91
300.00	0.76	305.90	299.99	1.24 N	0.45	1.84
400.00	0.92	288.90	399.98	1.89 N	0.29	3.24
500.00	1.08	288.34	499.97	2.45 N	0.16	4.84
600.00	1.12	282.66	599.95	2.96 N	0.12	6.55
700.00	1.02	287.89	699.93	3.44 N	0.14	8.22
800.00	1.17	287.00	799.91	4.02 N	0.15	9.95
900.00	1.19	296.46	899.89	4.78 N	0.20	11.88
1000.00	1.22	307.81	999.87	5.89 N	0.24	13.94
1100.00	1.50	312.16	1099.84	7.42 N	0.30	16.31
1200.00	1.45	312.59	1199.81	9.16 N	0.05	18.88
1300.00	1.65	313.04	1299.77	11.00 N	0.20	21.59
1400.00	1.71	312.44	1399.73	12.99 N	0.06	24.52
1500.00	1.82	312.03	1499.68	15.06 N	0.11	27.60
1600.00	2.14	316.31	1599.62	17.47 N	0.35	31.05
1700.00	2.33	313.83	1699.55	20.23 N	0.21	34.94
1800.00	2.38	311.88	1799.46	23.02 N	0.09	39.05
1900.00	2.34	314.67	1899.38	25.84 N	0.12	43.17
2000.00	2.22	317.54	1999.30	28.71 N	0.17	47.13
2100.00	2.28	321.00	2099.22	31.68 N	0.15	51.03
2200.00	2.04	322.47	2199.15	34.64 N	0.25	54.74
2300.00	2.04	323.52	2299.09	37.48 N	0.04	58.24
2400.00	1.91	328.35	2399.03	40.33 N	0.21	61.58

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 97.86 on azimuth 269.68 degrees from wellhead.

Vertical section is from wellhead on azimuth 312.13 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	1.87	333.30	2498.97	43.21 N 44.50 N	0.17 0.38	64.71 66.01
2545.00	1.75	337.09	2543.95	48.17 W 48.76 W	0.02	78.76
3010.00	1.75	339.50	3008.73	54.02 W 59.61 W	0.07	91.68
3445.00	2.00	334.50	3443.50	65.80 W	0.00	104.97
3857.00	2.00	334.50	3855.25			
4290.00	1.50	359.50	4288.05	83.74 N		
4697.00	2.00	334.50	4694.87	96.22 N 107.96 N	0.21 0.22	115.80 125.97
5031.00	2.50	340.50	5028.61	72.21 W 77.15 W	0.17	137.77
5286.00	3.25	339.50	5283.29	120.09 N 132.10 N	0.29	149.09
5434.00	3.75	335.50	5431.01	81.53 W 85.01 W	0.38	157.26
5536.00	3.75	334.50	5532.79	146.48 N	0.06	163.40
5818.00	4.00	337.50	5814.15	163.89 N 178.56 N	0.11 0.37	180.82 196.69
6060.00	4.00	324.50	6055.56	103.70 W 115.39 W	0.35	220.40
6404.00	4.50	339.50	6398.63	200.97 N 221.12 N	0.16	240.23
6691.00	4.25	334.50	6684.79	123.91 W		
7000.00	4.00	337.50	6992.99	241.41 N	0.11	260.56
7470.00	2.75	334.50	7462.17	266.73 N 278.53 N	0.27 0.54	285.80 295.73
8093.00	0.75	114.50	8084.96	279.27 N 282.84 N	0.57	295.74
8346.00	0.75	329.50	8337.95		0.21	299.68
8583.00	1.25	329.50	8574.91			
8822.00	0.30	287.10	8813.89	285.27 N	0.44	302.74
8884.00	1.70	179.80	8875.88	284.39 N 279.27 N	2.92 3.43	302.27 298.47
8975.00	4.80	172.80	8966.72	272.43 N	5.40	292.94
9037.00	8.10	167.50	9028.32	263.61 N	5.72	285.18
9092.00	11.10	161.80	9082.55	146.08 W		

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GALILEO STATE COM NO. 1, slot #1
UNKNOWN, EDDY CO., NEW MEXICO

SURVEY LISTING Page 3
Your ref :
Last revised : 17-Mar-97

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
9278.00	13.00	159.50	9264.44	227.00 N 133.16 W	1.05	251.04
9617.00	11.50	159.50	9595.71	159.63 N 107.97 W	0.44	187.16
9835.00	11.00	161.50	9809.53	119.55 N 93.76 W	0.29	149.73
10081.00	9.50	179.50	10051.65	76.98 N 86.13 W	1.43	115.52
10334.00	10.00	186.50	10301.01	34.28 N 88.44 W	0.51	88.58
10493.00	9.50	199.50	10457.73	8.19 N 94.38 W	1.42	75.48
10550.00	9.50	204.00	10513.95	0.54 S 97.86 W	1.30	72.21

Projection to TD

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
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Comments in wellpath
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Comment

Rectangular Coords.

MD TVD

10550.00 10513.95

0.54 S

97.86 W

Projection to TD

NO PROPOSAL