

A Gyro: a Directional Survey

for

HOME-STAKE OIL

30-025-34808

D - 26-225-37e

WELL: SHIRLEY BOYD #1, 5 1/2 CASING

Location: KEY #113 , EUNICE NEW MEXICO, SHIRLEY BOYD

Sur: 400/N & 450/W

BHL: 328/N & 461/W

Job Number: MD0300GMW123

Run Date: 18-Feb-00 10:38:55

Surveyor: RANDY SCANNELL

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.220000 deg. N

Azimuth Correction:

Rate-Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference

111 1300
Received
Hills
000

HOME-STAKE OIL

Page 1

WELL: SHIRLEY BOYD #1, 5 1/2 CASING

Location: KEY #113, EUNICE NEW MEXICO, SHIRLEY BOYD

Job Number: MD0300GMW123

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL DEPTH feet	H O R I Z O N T A L C O O R D I N A T E S feet	DOGLEG SEVERITY deg. / 100 ft.
---------------------------	-----------------	-----------------	---------------------------	--	---

0.0 0.00 0.00 0.0 0.00 N 0.00 E 0.00
 0-7210 FEET RATE-GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 5 1/2 INCH CASING.
 ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO KEY #113 R.K.B.

200.0	.33	349.54	200.0	.57 N	.11 W	.17
400.0	.49	328.74	400.0	1.88 N	.66 W	.11
600.0	.36	327.69	600.0	3.15 N	1.44 W	.07
800.0	.40	305.34	800.0	4.09 N	2.35 W	.08
1000.0	.29	349.74	1000.0	4.98 N	3.01 W	.14
1200.0	.16	58.36	1200.0	5.62 N	2.86 W	.14
1400.0	.37	147.93	1400.0	5.22 N	2.27 W	.20
1600.0	.35	88.66	1600.0	4.68 N	1.31 W	.18
1800.0	.70	164.84	1800.0	3.51 N	.37 W	.35
2000.0	1.32	86.16	1999.9	2.48 N	2.24 E	.68
2200.0	1.39	12.51	2199.9	5.01 N	5.06 E	.81
2400.0	1.53	56.22	2399.8	8.87 N	7.80 E	.55
2600.0	1.00	337.30	2599.8	11.96 N	9.34 E	.83
2800.0	.67	63.37	2799.8	14.10 N	9.70 E	.58
3000.0	.92	30.52	2999.8	16.00 N	11.56 E	.25
3200.0	.70	29.06	3199.8	18.46 N	12.97 E	.11
3400.0	.94	5.03	3399.7	21.16 N	13.71 E	.21
3600.0	.92	9.22	3599.7	24.37 N	14.11 E	.04
3800.0	.82	359.18	3799.7	27.38 N	14.34 E	.09
4000.0	.76	335.41	3999.7	30.02 N	13.77 E	.16
4200.0	.79	334.55	4199.6	32.47 N	12.62 E	.02
4400.0	.74	324.89	4399.6	34.78 N	11.29 E	.07
4600.0	.71	323.22	4599.6	36.82 N	9.81 E	.02
4800.0	.74	317.94	4799.6	38.77 N	8.20 E	.04
5000.0	.59	8.21	4999.6	40.75 N	7.49 E	.29
5200.0	.76	21.46	5199.6	43.00 N	8.12 E	.11
5400.0	.83	23.61	5399.6	45.56 N	9.19 E	.04
5600.0	1.09	25.04	5599.5	48.63 N	10.58 E	.13
5800.0	1.23	25.30	5799.5	52.30 N	12.31 E	.07
6000.0	1.03	11.18	5999.4	56.02 N	13.58 E	.17
6200.0	1.07	12.05	6199.4	59.61 N	14.32 E	.02
6400.0	.89	10.25	6399.4	62.96 N	14.98 E	.09
6600.0	.66	322.73	6599.4	65.41 N	14.56 E	.33
6800.0	.94	310.51	6799.3	67.39 N	12.61 E	.16
7000.0	.64	354.01	6999.3	69.57 N	11.24 E	.32
7200.0	.95	9.06	7199.3	72.33 N	11.39 E	.19
7210.0	.84	3.82	7209.3	72.49 N	11.41 E	1.39

Final Station Closure: Distance: 73.38 ft Az: 8.94 deg.

100-1000
Received
Hobbs
OCD