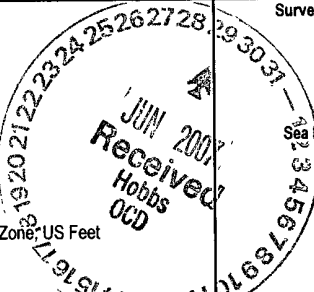


SUR: H-14-16s-38e, 2531/N & 630/E
 BHL: H-14-16s-38e, 2483/N & 617/E
 API # 30-025-36898



Survey Report

Report Date: May 31, 2007	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: J. Cleo Thompson	Vertical Section Azimuth: 360.000°
Field: Lea County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Lawrence #1 / Lawrence #1	TVD Reference Datum: RKB
Well: Lawrence #1	TVD Reference Elevation: 0.0 ft relative to
Borehole: Lawrence #1	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.733°
Survey Name / Date: Lawrence #1H_surveys / April 28, 2007	Total Field Strength: 48992.204 nT
Tort / AHD / DDI / ERD ratio: 82.559° / 422.68 ft / 4.543 / 0.032	Magnetic Dip: 60.168°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: April 27, 2007
Location Lat/Long: N 32 22 46.981, W 105 2 54.765	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 502594.000 ftUS, E 279204.000 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.38303064°	Total Corr Mag North -> Grid North: +9.116°
Grid Scale Factor: 0.99996492	Local Coordinates Referenced To: Well Head



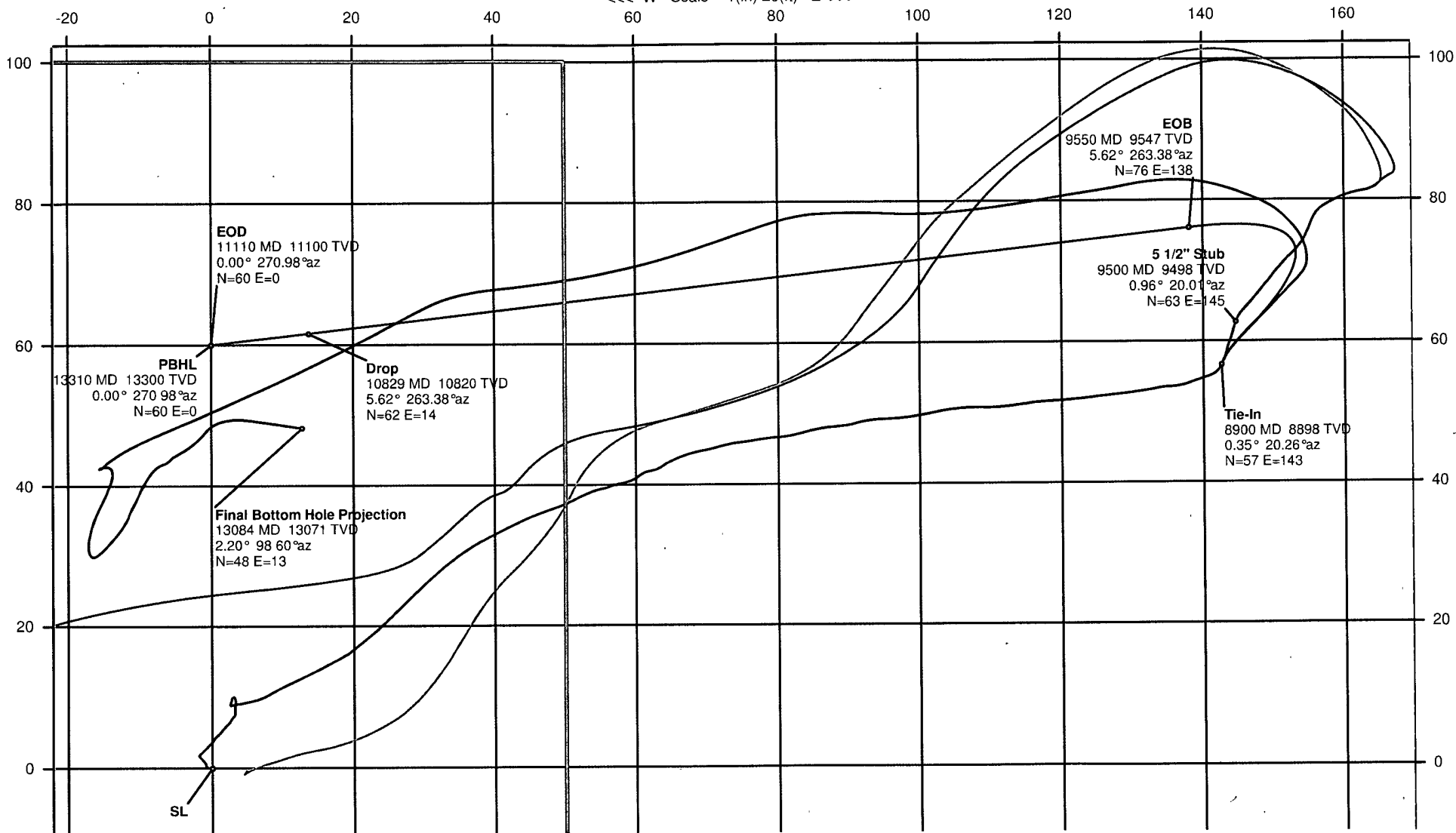
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)
Tie-In	8900.00	0.35	20.26	8897.78	56.68	56.68	142.53	153.38	68.31	0.08	21.20M
	8944.00	1.10	21.20	8941.77	57.20	57.20	142.73	153.76	68.16	1.70	32.90M
	8976.00	3.40	32.90	8973.75	58.28	58.28	143.35	154.75	67.88	7.29	41.40M
	9007.00	5.60	41.40	9004.65	60.19	60.19	144.85	156.86	67.44	7.40	118.02R
	9038.00	5.40	45.70	9035.51	62.34	62.34	146.90	159.58	67.01	1.48	171.10L
	9070.00	4.50	43.90	9067.39	64.30	64.30	148.85	162.14	66.64	2.85	173.57R
	9101.00	3.70	45.30	9098.31	65.88	65.88	150.40	164.20	66.35	2.60	177.53L
	9133.00	3.30	45.00	9130.25	67.25	67.25	151.79	166.02	66.10	1.25	168.59L
	9164.00	2.90	43.40	9161.20	68.45	68.45	152.96	167.58	65.89	1.32	40.90M
	9196.00	2.20	40.90	9193.17	69.51	69.51	153.91	168.88	65.70	2.21	17.70M
	9227.00	2.20	17.70	9224.15	70.52	70.52	154.48	169.82	65.46	2.85	359.20M
	9259.00	2.30	359.20	9256.12	71.75	71.75	154.66	170.50	65.11	2.28	344.40M
	9290.00	2.90	344.40	9287.09	73.13	73.13	154.44	170.88	64.66	2.89	332.00M
	9322.00	3.40	332.00	9319.04	74.74	74.74	153.78	170.98	64.08	2.63	318.80M
	9353.00	3.70	318.80	9349.99	76.31	76.31	152.69	170.70	63.45	2.80	312.70M
	9385.00	3.80	312.70	9381.92	77.80	77.80	151.23	170.07	62.78	1.28	302.30M
	9416.00	4.40	302.30	9412.84	79.14	79.14	149.47	169.13	62.10	3.07	292.60M
	9448.00	4.70	292.60	9444.74	80.30	80.30	147.22	167.70	61.39	2.58	289.90M
	9479.00	4.90	289.90	9475.63	81.24	81.24	144.80	166.03	60.71	0.97	285.70M
	9511.00	5.10	285.70	9507.51	82.09	82.09	142.15	164.15	60.00	1.30	72.32L
	9543.00	5.40	277.50	9539.37	82.67	82.67	139.29	161.97	59.31	2.52	52.26L
	9574.00	6.00	270.60	9570.22	82.87	82.87	136.22	159.45	58.68	2.93	84.20L
	9606.00	6.10	264.50	9602.04	82.73	82.73	132.86	156.51	58.09	2.03	83.11L
	9637.00	6.20	259.00	9632.86	82.25	82.25	129.57	153.48	57.59	1.93	52.75R
	9700.00	6.40	261.30	9695.48	81.07	81.07	122.76	147.12	56.56	0.51	127.59L
	9764.00	6.30	260.10	9759.09	79.93	79.93	115.78	140.69	55.38	0.26	90.00R
	9858.00	6.30	264.40	9852.52	78.54	78.54	105.56	131.58	53.35	0.50	122.88R
	9953.00	5.80	273.10	9947.00	78.29	78.29	95.58	123.55	50.68	1.10	90.00L
	10048.00	5.80	267.00	10041.51	78.30	78.30	86.00	116.30	47.68	0.65	101.06L
	10111.00	5.70	252.80	10104.20	77.21	77.21	79.83	111.06	45.96	2.26	39.15L
	10174.00	6.00	250.50	10166.87	75.18	75.18	73.74	105.31	44.44	0.60	165.02R
	10237.00	5.60	251.60	10229.55	73.11	73.11	67.72	99.65	42.81	0.66	38.88R
	10300.00	6.10	255.30	10292.22	71.29	71.29	61.56	94.19	40.81	0.99	47.28R
	10363.00	6.50	259.00	10354.84	69.76	69.76	54.82	88.73	38.16	0.90	62.24R
	10426.00	6.70	262.10	10417.42	68.58	68.58	47.68	83.53	34.81	0.65	151.00R
	10490.00	6.20	264.70	10481.02	67.74	67.74	40.54	78.95	30.90	0.90	147.01L
	10544.00	5.20	257.20	10534.75	66.93	66.93	35.25	75.65	27.78	2.31	115.04L
	10608.00	4.80	243.20	10598.51	65.08	65.08	30.04	71.68	24.77	2.00	10.68L

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)
	10671.00	5.40	242.00	10661.26	62.50	62.50	25.06	67.34	21.85	0.97	7.63R
	10734.00	6.40	243.20	10723.92	59.53	59.53	19.31	62.58	17.98	1.60	10.67R
	10797.00	7.20	244.40	10786.48	56.24	56.24	12.62	57.64	12.65	1.29	10.27R
	10828.00	7.80	245.20	10817.22	54.52	54.52	8.96	55.25	9.33	1.96	149.36R
	10892.00	7.60	246.10	10880.64	50.98	50.98	1.15	50.99	1.29	0.36	177.21R
	10954.00	5.60	247.10	10942.22	48.14	48.14	-5.39	48.44	353.61	3.23	172.07L
	11017.00	3.90	243.60	11005.01	45.99	45.99	-10.14	47.10	347.57	2.74	165.65L
	11081.00	2.50	235.20	11068.90	44.23	44.23	-13.24	46.17	343.34	2.30	226.00M
	11144.00	1.20	226.00	11131.87	42.99	42.99	-14.84	45.48	340.95	2.11	254.10M
	11207.00	0.40	254.10	11194.86	42.47	42.47	-15.53	45.22	339.92	1.38	49.50M
	11270.00	0.20	49.50	11257.86	42.48	42.48	-15.65	45.27	339.77	0.93	68.50M
	11333.00	0.70	68.50	11320.86	42.69	42.69	-15.21	45.32	340.39	0.82	104.70M
	11397.00	0.90	104.70	11384.86	42.71	42.71	-14.36	45.06	341.41	0.83	172.60M
	11460.00	1.20	172.60	11447.85	41.93	41.93	-13.80	44.14	341.78	1.90	200.00M
	11523.00	2.50	200.00	11510.81	39.98	39.98	-14.18	42.42	340.47	2.44	207.30M
	11587.00	3.80	207.30	11574.72	36.79	36.79	-15.63	39.97	336.97	2.12	191.60M
	11650.00	3.60	191.60	11637.59	32.99	32.99	-16.99	37.11	332.75	1.63	154.90M
	11713.00	1.60	154.90	11700.52	30.26	30.26	-17.01	34.71	330.65	3.98	50.60M
	11776.00	2.00	50.60	11763.50	30.16	30.16	-15.79	34.04	332.36	4.53	40.30M
	11839.00	2.90	40.30	11826.45	32.07	32.07	-13.91	34.96	336.55	1.58	32.50M
	11902.00	1.80	32.50	11889.39	34.12	34.12	-12.35	36.29	340.11	1.81	20.20M
	11967.00	1.10	20.20	11954.37	35.57	35.57	-11.58	37.41	341.96	1.17	26.50M
	12030.00	1.40	26.50	12017.36	36.83	36.83	-11.03	38.44	343.32	0.52	25.00M
	12093.00	1.50	25.00	12080.34	38.26	38.26	-10.34	39.63	344.88	0.17	24.20M
	12156.00	1.20	24.20	12143.32	39.61	39.61	-9.72	40.79	346.21	0.48	32.10M
	12219.00	1.70	32.10	12206.30	41.00	41.00	-8.95	41.97	347.68	0.85	44.00M
	12283.00	1.40	44.00	12270.27	42.37	42.37	-7.91	43.10	349.43	0.69	77.00M
	12346.00	1.00	77.00	12333.26	43.05	43.05	-6.84	43.59	350.98	1.24	44.00M
	12406.00	1.50	44.00	12393.25	43.73	43.73	-5.78	44.11	352.47	1.43	63.20M
	12452.00	1.40	63.20	12439.23	44.42	44.42	-4.86	44.68	353.75	1.07	55.20M
	12515.00	1.60	55.20	12502.21	45.27	45.27	-3.45	45.40	355.64	0.46	48.20M
	12578.00	1.60	48.20	12565.19	46.35	46.35	-2.07	46.40	357.44	0.31	38.00M
	12642.00	1.60	38.00	12629.16	47.65	47.65	-0.86	47.66	358.97	0.44	62.00M
	12705.00	1.50	62.00	12692.14	48.73	48.73	0.41	48.74	0.48	1.03	79.30M
	12768.00	1.70	79.30	12755.12	49.30	49.30	2.06	49.34	2.39	0.83	90.90M
	12831.00	1.30	90.90	12818.09	49.46	49.46	3.69	49.59	4.27	0.79	98.60M
	12908.00	2.20	98.60	12895.06	49.22	49.22	6.03	49.59	6.98	1.21	---
	12957.00	2.20	98.60	12944.02	48.94	48.94	7.89	49.57	9.15	0.00	98.60M
Final Bottom Hole Projection	13084.00	2.20	98.60	13070.93	48.21	48.21	12.71	49.86	14.76	0.00	---

J. Cleo Thompson

WELL	Lawrence #1	FIELD	Lea County, NM	STRUCTURE	Lawrence #1
Magnetic Parameters Model	IGRF 2005	Dip Mag. Dec.	60.158° -8.734°	Date ES	April 27, 2007 ASD22.01
Surface Location Lat	N 22.46 981	North	NAD83 New Mexico State Planes, Eastern Zone, US Foot	Grid Cont.	0.0000004°
Long	W 105.254 705	East	Scale East	Scale East	N 00000000001
Macellaneous Site Plan	Lawrence #1	TVD Ref Site Data	RKB (0.00 ft above)	April 28, 2007	

<<< W Scale = 1(in):20(ft) E >>>



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WELL	Lawrence #1	FIELD	Lea County, NM	STRUCTURE	Lawrence #1
Magnetic Parameters Mode	Dip 60.168° Mag Dec 48.7101°	Date April 27, 2007	Surface Location Lat N32 22.45 981 Lon W105 53.54 765	NAD83 New Mexico State Plane, Eastern Zone, US Feet 502594 00 NUS 125044 00 EUS Scale Factor 0.9999632441	Miscellaneous Slot Lawrence #1 Date Lawrence #111, 11/11/06 TVD Ref RKB (0.00 ft above) Scale Date April 04, 2007

