

Anadrill Schlumberger
Midland District
9900 West I-20 Suite 103
Midland, Texas 79706
(915) 563-3057 Fax 563-3057

21 Sep 1910

Client.....: Conoco
Field.....: Haljamar
Well.....: MCA 387 H
Vert sect.: 133.20 deg az
DD engnr.: D.Gowler/A.Aguilar
Units.....: FEET

Position calc.: Minimum Curvature
DLS calc meth.: Lubinski
Survey Date...: 21 Sep 1910
KB Elevation...: 0.00 ft
Reference.....: 6838
Magnetic decln.: +8.810 (E)

WELLHEAD coordinates....: 0,0

RECORD OF SURVEY
(Calculated from a tie-in station at 3522 MD)

Pg: 1

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S MEASURED	INCLN	DIRECTION	VERTICAL-DEPTHS		SECTION	COORDINATES-FROM		CLOSURE		DL/
T DEPTH	ANGLE	AZIMUTH	TVD	SUB-SEA	DEPART	WELLHEAD		DISTNCE	AZIMUTH	100
=====										
8	3522.00	3.02	328.24	3521.10	3521.10	-44.32	48.34 N 15.40 W	50.73	342.33	<TIE
3	3570.00	0.70	8.82	3569.07	3569.07	-45.70	49.71 N 16.02 W	52.22	342.14	5.27
3	3602.00	4.50	119.01	3601.04	3601.04	-44.60	49.29 N 14.89 W	51.49	343.19	14.96
3	3634.00	9.29	121.05	3632.80	3632.80	-40.85	47.35 N 11.58 W	48.74	346.26	14.99
3	3665.00	14.30	122.33	3663.14	3663.14	-34.64	44.01 N 6.20 W	44.44	351.98	16.18
3	3697.00	19.40	123.04	3693.75	3693.75	-25.52	38.99 N 1.60 E	39.03	2.35	15.95
3	3727.00	24.58	124.68	3721.56	3721.56	-14.44	32.72 N 10.92 E	34.49	18.45	17.39
3	3760.00	29.88	126.98	3750.89	3750.89	0.53	23.86 N 23.14 E	33.24	44.11	16.37
3	3791.00	34.67	129.95	3777.10	3777.10	17.02	13.55 N 36.07 E	38.53	69.41	16.27
3	3822.00	39.97	131.15	3801.74	3801.74	35.79	1.33 N 50.34 E	50.36	88.49	17.26
3	3854.00	45.52	131.92	3825.23	3825.23	57.49	13.07 S 66.59 E	67.86	101.11	17.42
3	3886.00	50.93	133.89	3846.55	3846.55	81.34	29.32 S 84.05 E	89.02	109.23	17.52
3	3901.00	53.38	134.35	3855.75	3855.75	93.18	37.57 S 92.55 E	99.88	112.09	16.51
3	3988.00	66.62	132.88	3899.15	3899.15	168.36	89.38 S 147.02 E	172.06	121.30	15.29
3	4020.00	71.65	131.50	3910.55	3910.55	198.24	109.45 S 169.17 E	201.49	122.90	16.23
3	4051.00	74.71	131.84	3919.52	3919.52	227.90	129.18 S 191.33 E	230.86	124.02	9.93
3	4083.00	77.08	131.90	3927.31	3927.31	258.93	149.89 S 214.44 E	261.63	124.95	7.41
3	4115.00	78.95	132.47	3933.96	3933.96	290.22	170.91 S 237.63 E	292.71	125.72	6.10
3	4147.00	79.10	132.42	3940.05	3940.05	321.63	192.11 S 260.82 E	323.93	126.37	0.49
3	4178.00	80.04	132.77	3945.66	3945.66	352.12	212.74 S 283.26 E	354.25	126.91	3.23
3	4209.00	80.79	132.74	3950.82	3950.82	382.69	233.49 S 305.70 E	384.67	127.37	2.42
3	4240.00	80.50	133.10	3955.86	3955.86	413.27	254.32 S 328.10 E	415.13	127.78	1.48
3	4272.00	81.70	133.70	3960.81	3960.81	444.89	276.05 S 351.07 E	446.60	128.18	4.18
3	4335.00	82.62	132.57	3969.41	3969.41	507.30	318.72 S 396.62 E	508.81	128.78	2.30
3	4398.00	84.23	133.01	3976.62	3976.62	569.88	361.23 S 442.54 E	571.25	129.22	2.65
3	4461.00	83.23	133.05	3983.50	3983.50	632.50	403.96 S 488.32 E	633.75	129.60	1.59
J	4499.00	82.90	133.09	3988.09	3988.09	670.22	429.72 S 515.88 E	671.41	129.79	0.87

^Station Types: 3/MWD 8/TIE-IN J/PROJECTED

(Anadrill (c)10 MCA387H 3.2C 5:29 AM D)

REC-100

JAN 29 1971

B. H.
ROSWELL, NM