

RDC THE DIRECT DRILLING COMPANY											TARGET DETAILS						
OPERATOR: Mewbourne Oil Co.											Supervisors:				TARGET N-S Directional		
WELL: Henry 8 IL Federal Com #1H											Will Ellison DD				TARGET E-W		
LOCATION: Eddy/New Mexico											Scott Anderson / Sean Mitchel DD				TARGET RADIUS		
JOB NUMBER: WT-13937											Jesse Herring MWD				TARGET DISPLACEMENT		
Dog/Leg Slide C / L M / Y SL / AH Cur< Proj. Bit											Gordyn Kirschner MWD				TARGET CLOSURE		
#DIV/0!											Lynn Simmons Co. Rep				TARGET KBTVD Horizontal		7877.00
Bur/Needed Jnt Length Distance To Slide											Butch Ray Co. Rep				DIP AZ		272.78
#DIV/0!											Patterson #444 Rlg				DIP DEG UP+/DN-		0.00
Target EOC MD TVD Vertical Section N-S E-W											Sec/Plane 272.78		TARGET TRACKING TO CENTER		Magnetic Declination		7.551
SVY NUM		MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	DIR (DEG AZ)	DISTANCE (FEET)	BUILD RATE/ °/100'	WALK RATE/ °/100'	
24	8055	65.90	272.30	32.00	7898.14	303.51	115.88	-298.24	10.02	-21.14	101.28	291.23	319.96	10.00	-1.54		
25	8086	70.10	272.70	31.00	7909.75	332.24	117.14	-326.95	13.60	-32.75	101.14	289.71	347.30	13.55	3.26		
26	8118	72.60	273.00	32.00	7919.98	362.56	118.64	-357.22	7.86	-42.98	101.18	288.37	376.41	7.81	2.42		
27	8149	74.50	272.50	31.00	7928.76	392.29	120.07	-386.92	6.32	-51.76	101.16	287.24	405.12	6.13	-4.22		
28	8183	77.20	271.50	34.00	7937.07	425.25	121.22	-419.87	8.44	-60.07	100.71	286.10	437.01	7.94	-7.78		
29	8212	79.80	271.30	29.00	7942.85	453.66	121.91	-448.27	8.99	-65.85	100.03	285.21	464.55	8.97	-1.84		
30	8243	83.00	271.60	31.00	7947.49	484.30	122.69	-478.91	10.37	-70.49	99.32	284.37	494.38	10.32	2.61		
31	8275	86.50	272.00	32.00	7950.41	516.15	123.69	-510.75	11.01	-73.41	98.77	283.61	525.52	10.94	3.40		
32	8358	91.50	273.00	83.00	7951.86	599.11	127.31	-593.64	6.14	-74.86	98.37	282.10	607.13	6.02	3.29		
33	8390	91.80	272.80	32.00	7950.94	631.10	128.93	-625.58	1.13	-73.94	98.43	281.65	638.73	0.94	-1.70		
34	8421	91.80	272.80	31.00	7949.97	662.08	130.44	-656.53	0.00	-72.97	98.44	281.24	669.36	0.00	0.00		
35	8515	93.50	272.00	94.00	7945.62	755.98	134.37	-750.34	2.00	-68.62	97.82	280.15	762.28	1.81	-2.32		
36	8610	91.60	271.30	95.00	7941.39	850.86	137.10	-845.20	2.13	-64.39	95.95	279.21	856.25	-2.00	-2.01		
37	8705	90.80	270.90	95.00	7939.41	945.80	138.93	-940.16	0.94	-62.41	93.17	278.41	950.37	-0.84	-1.15		
38	8800	91.90	269.10	95.00	7937.17	1040.65	138.93	-1035.13	2.22	-60.17	88.56	277.64	1044.41	1.16	-5.17		
39	8894	90.00	271.30	94.00	7935.61	1134.53	139.26	-1129.11	3.09	-58.61	84.33	277.03	1137.66	-2.02	6.38		
40	8989	92.10	271.10	95.00	7933.87	1229.48	141.25	-1224.07	2.22	-56.87	81.71	276.58	1232.19	2.21	-0.57		
41	9084	90.80	272.00	95.00	7931.46	1324.42	143.81	-1319.00	1.66	-54.46	79.67	276.22	1326.82	-1.37	2.58		
42	9178	92.90	272.80	94.00	7928.43	1418.36	147.75	-1412.86	2.39	-51.43	79.05	275.97	1420.57	2.23	2.32		
43	9273	91.20	273.50	95.00	7925.03	1513.30	152.97	-1507.65	1.94	-48.03	79.66	275.79	1515.39	-1.79	2.01		
44	9368	89.10	273.90	95.00	7924.78	1608.28	159.10	-1602.45	2.25	-47.78	81.19	275.67	1610.33	-2.21	1.15		
45	9463	90.60	273.90	95.00	7925.03	1703.26	165.56	-1697.23	1.58	-48.03	83.04	275.57	1705.28	1.58	0.00		
46	9558	92.40	274.60	95.00	7922.54	1798.19	172.59	-1791.93	2.03	-45.54	85.48	275.50	1800.22	1.89	2.01		
47	9652	90.10	272.70	94.00	7920.49	1892.15	178.58	-1885.70	3.17	-43.49	86.91	275.41	1894.14	-2.45	-5.51		

DRILLING PROGRAM											TARGET DETAILS				
OPERATOR: Mewbourne Oil Co.							Supervisors:				TARGET N-S Directional				
WELL: Henry 8 IL Federal Com #1H							Will Ellison DD				TARGET E-W				
LOCATION: Eddy/New Mexico							Scott Anderson / Sean Mitchel DD				TARGET RADIUS				
JOB NUMBER: WT-13937							Jesse Herring MWD				TARGET DISPLACEMENT				
Dog/Leg Slide C / L M / Y SL / AH Cur< Proj. Bit							Gordyn Kirschner MWD				TARGET CLOSURE				
#DIV/0!							Lynn Simmons Co. Rep				TARGET KBTVD Horizontal		7877.00		
Bur/Needed		Jnt Length		Distance To Slide			Butch Ray Co. Rep				DIP AZ		272.78		
#DIV/0!							Patterson #444 Rig				DIP DEG UP+/DN-		0.00		
											TARGET INCLINATION		90.00		
Target EOC		MD	TVD	Vertical Section		N-S	E-W	Sec/Plane	272.78	TARGET TRACKING TO CENTER		Magnetic Declination		7.551	
SVY NUM	MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	DIR (DEG AZ)	DISTANCE (FEET)	BUILD RATE/ °/100'	WALK RATE/ °/100'
48	9748	91.50	272.50	96.00	7919.15	1988.13	182.93	-1981.59	1.47	-42.15	86.61	275.27	1990.02	1.46	-0.57
49	9842	90.40	273.40	94.00	7917.59	2082.12	187.77	-2075.45	1.51	-40.59	86.88	275.17	2083.93	-1.17	2.61
50	9937	91.90	273.70	95.00	7915.69	2177.09	193.65	-2170.25	1.61	-38.69	88.16	275.10	2178.87	1.58	0.86
51	10032	91.50	272.30	95.00	7912.87	2272.04	198.62	-2265.08	1.53	-35.87	88.53	275.01	2273.77	-0.42	-4.02
52	10127	93.60	272.00	95.00	7908.64	2366.94	202.18	-2359.91	2.23	-31.64	87.48	274.90	2368.55	2.21	-0.86
53	10222	92.40	272.00	95.00	7903.67	2461.80	205.49	-2454.72	1.26	-26.67	86.19	274.79	2463.31	-1.26	0.00
54	10316	90.80	271.40	94.00	7901.05	2555.74	208.28	-2548.64	1.82	-24.05	84.42	274.67	2557.13	-1.70	-1.74
55	10411	91.80	270.90	95.00	7898.89	2650.68	210.18	-2643.59	1.18	-21.89	81.72	274.55	2651.93	1.05	-1.44
56	10506	92.80	270.50	95.00	7895.08	2745.54	211.34	-2738.51	1.13	-18.08	78.27	274.41	2746.65	1.05	-1.15
57	10601	90.70	270.70	95.00	7892.18	2840.42	212.34	-2833.45	2.22	-15.18	74.66	274.29	2841.40	-2.21	0.57
58	10696	90.10	270.10	95.00	7891.51	2935.33	213.00	-2928.45	0.89	-14.51	70.72	274.16	2936.18	-0.63	-1.72
59	10791	91.30	271.30	95.00	7890.35	3030.26	214.16	-3023.43	1.79	-13.35	67.27	274.05	3031.00	1.26	3.45
60	10885	90.80	271.40	94.00	7888.63	3124.21	216.37	-3117.39	0.54	-11.63	64.92	273.97	3124.89	-0.53	0.29
61	10980	92.20	271.10	95.00	7886.15	3219.14	218.45	-3212.33	1.51	-9.15	62.39	273.89	3219.75	1.47	-0.86
62	11075	91.80	271.80	95.00	7882.83	3314.06	220.85	-3307.24	0.85	-5.83	60.18	273.82	3314.61	-0.42	2.01
63	11169	93.30	272.50	94.00	7878.65	3407.96	224.37	-3401.08	1.76	-1.65	59.15	273.77	3408.47	1.60	2.03
64	11264	93.10	273.00	95.00	7873.34	3502.81	228.92	-3495.82	0.57	3.66	59.10	273.75	3503.31	-0.21	1.43
65	11359	92.70	272.80	95.00	7868.54	3597.69	233.72	-3590.58	0.47	8.46	59.30	273.72	3598.18	-0.42	-0.57
66	11453	91.30	273.00	94.00	7865.26	3691.63	238.47	-3684.40	1.50	11.74	59.50	273.70	3692.11	-1.49	0.58
67	11548	90.00	273.00	95.00	7864.18	3786.62	243.45	-3779.26	1.37	12.82	59.86	273.69	3787.09	-1.37	0.00
68	11643	92.30	272.80	95.00	7862.27	3881.59	248.25	-3874.11	2.43	14.73	60.06	273.67	3882.06	2.42	-0.57
69	11738	91.40	274.30	95.00	7859.21	3976.53	254.13	-3968.88	1.84	17.79	61.34	273.66	3977.00	-0.95	4.30
70	11801	90.80	274.10	63.00	7858.00	4039.50	258.74	-4031.70	1.00	19.00	62.90	273.67	4039.99	-0.95	-0.87
71	11864	88.60	273.40	63.00	7858.33	4102.49	262.86	-4094.56	3.66	18.67	63.96	273.67	4102.98	-3.49	-3.03

 CTION PROGRAM												TARGET DETAILS			
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WELL: Henry 8 IL Federal Com #1H						Will Ellison DD						TARGET E-W			
LOCATION: Eddy/New Mexico						Scott Anderson / Sean Mitchel DD						TARGET RADIUS			
JOB NUMBER: WT-13937						Jesse Herring MWD						TARGET DISPLACEMENT			
Dog/Leg Slide C/L M/Y SL/AH Cur< Proj. Bit						Gordyn Kirschner MWD						TARGET CLOSURE			
#DIV/0!						Lynn Simmons Co. Rep						TARGET KBTVD Horizontal		7877.00	
Bur/Needed Jnt Length Distance To Slide						Butch Ray Co. Rep						DIP AZ		272.78	
#DIV/0!						Patterson #444 Rig						DIP DEG UP+/DN-		0.00	
												TARGET INCLINATION		90.00	
Target EOC MD TVD Vertical Section N-S E-W						Sec/Plane 272.78 TARGET TRACKING TO CENTER						Magnetic Declination		7.551	
SVY NUM	MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	DIR (DEG AZ)	CLOSURE DISTANCE (FEET)	BUILD RATE/ °/100'	WALK RATE/ °/100'
72	11927	87.30	273.70	63.00	7860.58	4165.44	266.76	-4157.39	2.12	16.42	64.81	273.67	4165.94	-2.06	1.30
73	11991	86.80	273.90	64.00	7863.87	4229.34	271.00	-4221.17	0.84	13.13	65.95	273.67	4229.86	-0.78	0.85
74	12054	87.70	271.80	63.00	7866.90	4292.27	274.13	-4284.01	3.62	10.10	66.02	273.66	4292.77	1.43	-9.08
75	12117	88.70	270.70	63.00	7868.88	4355.21	275.50	-4346.96	2.36	8.12	64.34	273.63	4355.69	1.59	-4.76
76	12180	90.00	269.90	63.00	7869.59	4418.15	275.83	-4409.96	2.42	7.41	61.62	273.58	4418.58	2.06	-3.46
77	12244	89.90	270.40	64.00	7869.65	4482.08	276.00	-4473.96	0.80	7.35	58.68	273.53	4482.46	-0.16	2.13
78	12307	90.10	270.40	63.00	7869.65	4545.02	276.44	-4536.96	0.32	7.35	56.06	273.49	4545.37	0.32	0.00
79	12370	88.40	270.90	63.00	7870.47	4607.97	277.15	-4599.94	2.81	6.53	53.72	273.45	4608.29	-2.70	2.16
80	12433	88.10	270.50	63.00	7872.40	4670.90	277.92	-4662.91	0.79	4.60	51.44	273.41	4671.18	-0.48	-1.73
81	12496	88.00	269.90	63.00	7874.54	4733.80	278.14	-4725.87	0.96	2.46	48.60	273.37	4734.05	-0.16	-2.60
82	12527	88.20	269.10	31.00	7875.57	4764.73	277.87	-4756.85	2.66	1.43	46.83	273.34	4764.96	0.65	-7.04
TD	12575	88.20	269.10	48.00	7877.07	4812.61	277.12	-4804.82	0.00	-0.07	43.75	273.30	4812.81	0.00	0.00