

30-015-38229

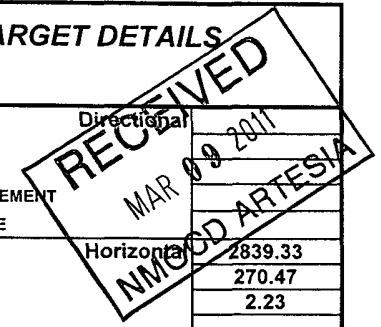


SURVEY CALCULATION PROGRAM

v1.00.02

TARGET DETAILS

OPERATOR:		Mewbourne Oil Company						Supervisors:				TARGET N-S		Directional		
WELL:		Limousine 15 FE Fed #1H						Ben Crites				DD		TARGET E-W		
LOCATION:		Eddy co NM						Ryan Lillard				DD		TARGET RADIUS		
JOB NUMBER:		WT-10539										MWD		TARGET DISPLACEMENT		
COMMENTS:												MWD		TARGET CLOSURE		
														KBTVD		
														DIP AZ		
														DIP DEG UP+/DN-		
DATE: 11/18/10								TIME: 5:09 AM						TARGET INCLINATION		
Target #4		MD	TVD	Vertical Section		SECTION PLANE		271.01	TARGET TRACKING			Magnetic Declination				
		5205	2736.00	2653.60					TO CENTER			CLOSURE		CLOSURE	BUILD	WALK
SVY	MD	INC	TRUE	COURSE		46.6	DLS/	ABOVE(+)	RIGHT(+)	DIR	DISTANCE	RATE/	RATE/			
NUM			AZM	LENGTH	TVD	N-S	100	BELOW(-)	LEFT(-)	(DEG AZ)	(FEET)	'/100'	'/100'			
TIE	2074.33	0.70	343.38	2074.00	2074.1	18.78	16.20	-18.49	764.52	15.88	311.22	24.58				
1	2214	1.70	323.30	139.67	2213.72	20.30	18.68	-19.97	624.83	18.32	313.08	27.35	0.72		-0.30	
2	2246	0.40	90.20	32.00	2245.71	20.48	19.06	-20.14	6.14	592.83	18.70	313.41	27.73	-4.06	-5.87	
3	2276	3.70	268.20	30.00	2275.69	21.34	19.03	-21.01	13.67	562.81	18.65	312.17	28.34	11.00	13.66	
4	2308	7.12	266.38	32.00	2307.55	24.35	18.87	-24.02	10.70	530.84	18.44	308.15	30.55	10.69	-0.54	
5	2340	9.10	265.50	32.00	2339.23	28.84	18.55	-28.52	6.20	498.99	18.04	303.03	34.02	6.19	-0.39	
6	2371	12.80	268.10	31.00	2369.66	34.72	18.24	-34.40	12.04	468.33	17.63	297.93	38.94	11.94	1.59	
7	2403	16.00	271.00	32.00	2400.65	42.67	18.20	-42.35	10.25	437.03	17.45	293.25	46.10	10.00	2.25	
8	2435	18.60	276.40	32.00	2431.20	52.16	18.85	-51.84	9.54	406.11	17.93	289.98	55.16	8.12	5.02	
9	2467	21.80	279.80	32.00	2461.23	63.12	20.43	-62.77	10.65	375.65	19.32	288.03	66.01	10.00	3.67	
10	2499	23.20	274.60	32.00	2490.79	75.28	21.94	-74.91	7.60	345.61	20.62	286.33	78.06	4.38	-6.22	
11	2530	26.40	271.80	31.00	2518.93	88.27	22.65	-87.89	10.99	316.97	21.10	284.45	90.76	10.32	-3.79	
12	2562	28.30	271.70	32.00	2547.35	102.97	23.10	-102.58	5.94	287.97	21.29	282.69	105.15	5.94	-0.14	
13	2594	31.30	271.20	32.00	2575.12	118.87	23.50	-118.48	9.41	259.59	21.41	281.22	120.78	9.37	-2.10	
14	2626	34.40	271.70	32.00	2602.00	136.23	23.94	-135.83	9.72	232.03	21.54	280.00	137.92	9.69	2.30	
15	2657	38.30	272.30	31.00	2626.96	154.60	24.59	-154.19	12.63	206.36	21.86	279.06	156.13	12.58	3.11	
16	2689	42.50	272.80	32.00	2651.33	175.32	25.51	-174.90	13.16	181.18	22.43	278.30	176.75	13.13	2.74	
17	2721	45.80	272.90	32.00	2674.28	197.60	26.62	-197.16	10.31	157.36	23.14	277.69	198.95	10.31	0.59	
18	2753	48.70	272.20	32.00	2696.00	221.08	27.66	-220.63	9.20	134.73	23.77	277.15	222.36	9.06	-4.35	
19	2784	52.80	271.90	31.00	2715.61	245.08	28.52	-244.62	13.25	114.18	24.20	276.65	246.27	13.23	-2.03	
20	2816	56.90	271.20	32.00	2734.03	271.24	29.22	-270.77	12.94	94.74	24.45	276.16	272.34	12.81	-4.85	
21	2848	61.30	270.50	32.00	2750.46	298.69	29.63	-298.21	13.88	77.25	24.37	275.67	299.68	13.75	-5.09	
22	2879	65.50	270.00	31.00	2764.34	326.40	29.75	-325.93	13.62	62.29	24.00	275.21	327.28	13.55	-3.91	
23	2911	69.40	269.70	32.00	2776.61	355.94	29.67	-355.47	12.22	48.87	23.40	274.77	356.71	12.19	-2.35	
24	2943	72.50	269.90	32.00	2787.05	386.18	29.56	-385.72	9.71	37.25	22.76	274.38	386.85	9.69	1.60	
25	2975	75.10	270.00	32.00	2795.98	416.90	29.53	-416.44	8.13	27.13	22.19	274.06	417.49	8.13	0.81	
26	3007	78.00	270.30	32.00	2803.42	448.02	29.62	-447.56	9.11	18.47	21.72	273.79	448.54	9.06	2.47	
27	3038	81.30	270.00	31.00	2808.99	478.50	29.70	-478.05	10.69	11.72	21.26	273.55	478.98	10.65	-2.58	
28	3070	84.80	270.20	32.00	2812.86	510.26	29.75	-509.81	10.96	6.61	20.76	273.34	510.68	10.94	1.68	
29	3102	87.70	270.80	32.00	2814.95	542.19	30.03	-541.74	9.25	3.27	20.48	273.17	542.57	9.06	5.07	
30	3129	89.40	268.30	27.00	2815.64	569.17	29.82	-568.73	11.19	1.54	19.79	273.00	569.51	6.30	-25.09	
31	3159	90.40	268.40	30.00	2815.69	599.13	28.95	-598.72	3.35	0.32	18.40	272.77	599.42	3.33	0.90	
32	3188	90.90	268.10	29.00	2815.36	628.10	28.07	-627.70	2.01	-0.48	17.00	272.56	628.33	1.72	-2.80	
33	3216	92.50	268.50	28.00	2814.53	656.05	27.24	-655.67	5.89	-0.74	15.68	272.38	656.24	5.71	3.87	
34	3245	94.30	268.80	29.00	2812.81	684.98	26.56	-684.61	6.29	-0.15	14.49	272.22	685.13	6.21	2.80	
35	3273	95.00	269.20	28.00	2810.54	712.87	26.07	-712.52	2.88	1.04	13.51	272.10	712.99	2.50	3.86	





SURVEY CALCULATION PROGRAM

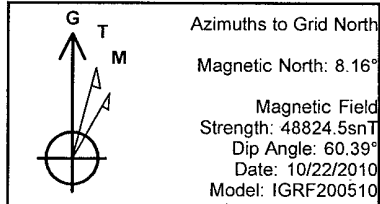
v1.00.02

TARGET DETAILS

OPERATOR:		Mewbourne Oil Company				Supervisors:						TARGET N-S		Directional		
WELL:		Limousine 15 FE Fed #1H				Ben Crites		DD				TARGET E-W				
LOCATION:		Eddy co NM				Ryan Lillard		DD				TARGET RADIUS				
JOB NUMBER:		WT-10539						MWD				TARGET DISPLACEMENT				
								MWD				TARGET CLOSURE				
												KBTVD		Horizontal		2839.33
												DIP AZ				270.47
												DIP DEG UP+/DN-				2.23
												TARGET INCLINATION				92.23
												Magnetic Declination				8.16
DATE: 11/18/10		TIME: 5:09 AM														
Target #4	MD	TVD	Vertical Section		SECTION PLANE		271.01	TARGET TRACKING								
	5205	2736.00	2653.60					TO CENTER								
SVY NUM	MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	46.6 N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	DIR (DEG AZ)	CLOSURE DISTANCE (FEET)	BUILD RATE/ °/100'	WALK RATE/ °/100'	
36	3303	93.90	269.90	30.00	2808.21	742.77	25.83	-742.43	4.34	2.20	12.74	271.99	742.88	-3.67	6.30	
37	3332	92.20	270.00	29.00	2806.67	771.72	25.81	-771.38	5.87	2.61	12.21	271.92	771.82	-5.86	0.93	
38	3360	92.10	269.80	28.00	2805.62	799.69	25.76	-799.36	0.80	2.58	11.67	271.85	799.78	-0.36	-1.93	
39	3390	91.70	270.00	30.00	2804.62	829.67	25.71	-829.35	1.49	2.40	11.09	271.78	829.75	-1.33	1.81	
40	3419	91.80	269.50	29.00	2803.74	858.65	25.58	-858.33	1.76	2.16	10.45	271.71	858.71	0.34	-4.67	
41	3449	92.10	270.70	30.00	2802.72	888.63	25.63	-888.32	4.12	2.01	9.97	271.65	888.68	1.00	10.83	
42	3478	91.90	271.20	29.00	2801.71	917.61	26.11	-917.29	1.86	1.90	9.94	271.63	917.67	-0.69	4.67	
43	3508	91.70	271.30	30.00	2800.76	947.60	26.77	-947.27	0.75	1.67	10.07	271.62	947.65	-0.67	0.90	
44	3537	91.50	271.30	29.00	2799.95	976.58	27.43	-976.25	0.69	1.35	10.21	271.61	976.64	-0.69	0.00	
45	3566	91.20	271.30	29.00	2799.27	1005.58	28.08	-1005.24	1.03	0.91	10.36	271.60	1005.63	-1.03	0.00	
46	3594	91.20	270.90	28.00	2798.68	1033.57	28.62	-1033.23	1.43	0.40	10.40	271.59	1033.62	0.00	-3.87	
47	3622	92.00	271.20	28.00	2797.90	1061.56	29.13	-1061.21	3.05	0.10	10.42	271.57	1061.61	2.86	2.90	
48	3652	92.20	271.60	30.00	2796.80	1091.54	29.87	-1091.18	1.49	0.03	10.63	271.57	1091.59	0.67	3.61	
49	3680	92.90	272.40	28.00	2795.56	1119.51	30.84	-1119.14	3.79	0.18	11.11	271.58	1119.56	2.50	7.74	
50	3710	93.20	272.40	30.00	2793.96	1149.45	32.10	-1149.07	1.00	0.61	11.84	271.60	1149.51	1.00	0.00	
51	3742	93.10	272.50	32.00	2792.20	1181.40	33.46	-1180.99	0.44	1.13	12.64	271.62	1181.46	-0.31	0.85	
52	3774	92.90	272.70	32.00	2790.53	1213.34	34.91	-1212.91	0.88	1.56	13.53	271.65	1213.41	-0.63	1.69	
53	3806	92.80	272.40	32.00	2788.94	1245.29	36.34	-1244.84	0.99	1.91	14.39	271.67	1245.37	-0.31	-2.54	
54	3837	92.60	272.40	31.00	2787.48	1276.24	37.63	-1275.78	0.65	2.16	15.14	271.69	1276.33	-0.65	0.00	
55	3901	92.30	271.50	64.00	2784.74	1340.18	39.81	-1339.68	1.48	2.41	16.19	271.70	1340.27	-0.47	-3.81	
56	3964	92.00	271.50	63.00	2782.38	1403.13	41.46	-1402.62	0.48	2.32	16.73	271.69	1403.23	-0.48	0.00	
57	4028	91.80	271.60	64.00	2780.26	1467.09	43.19	-1466.56	0.35	1.95	17.33	271.69	1467.19	-0.31	0.42	
58	4092	92.10	270.20	64.00	2778.08	1531.05	44.19	-1530.51	2.24	1.64	17.21	271.65	1531.15	0.47	-5.92	
59	4155	92.10	270.10	63.00	2775.77	1594.00	44.36	-1593.47	0.16	1.50	16.26	271.59	1594.09	0.00	-0.43	
60	4218	92.00	269.90	63.00	2773.52	1656.95	44.36	-1656.43	0.35	1.30	15.15	271.53	1657.02	-0.16	-0.86	
61	4282	91.80	269.50	64.00	2771.39	1720.90	44.02	-1720.39	0.70	0.93	13.69	271.47	1720.96	-0.31	-1.69	
62	4345	91.60	269.40	63.00	2769.52	1783.85	43.42	-1783.36	0.35	0.35	11.97	271.39	1783.89	-0.32	-0.43	
63	4409	92.70	269.30	64.00	2767.12	1847.78	42.69	-1847.31	1.73	0.26	10.12	271.32	1847.81	1.72	-0.42	
64	4472	92.70	270.20	63.00	2764.16	1910.69	42.42	-1910.24	1.43	0.78	8.74	271.27	1910.71	0.00	3.87	
65	4536	92.60	270.10	64.00	2761.20	1974.62	42.58	-1974.17	0.22	1.25	7.78	271.24	1974.63	-0.16	-0.42	
66	4599	92.30	270.20	63.00	2758.50	2037.55	42.75	-2037.11	0.50	1.49	6.83	271.20	2037.56	-0.48	0.43	
67	4663	92.20	270.20	64.00	2755.99	2101.50	42.97	-2101.06	0.16	1.51	5.93	271.17	2101.50	-0.16	0.00	
68	4726	92.70	271.30	63.00	2753.30	2164.44	43.80	-2164.00	1.92	1.75	5.64	271.16	2164.44	0.79	4.73	
69	4790	92.50	271.90	64.00	2750.39	2228.37	45.58	-2227.91	0.99	2.17	6.30	271.17	2228.38	-0.31	2.54	
70	4853	91.90	271.70	63.00	2747.98	2291.31	47.56	-2290.83	1.00	2.14	7.17	271.19	2291.33	-0.95	-0.86	
71	4917	91.50	272.00	64.00	2746.08	2355.28	49.62	-2354.77	0.78	1.54	8.11	271.21	2355.29	-0.63	1.27	

Limousine 15 FE Federal #1H
Eddy, New Mexico
Q100736 & WT-10539

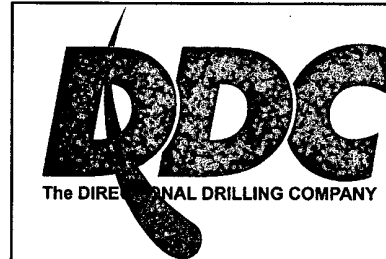
Company Name: Mewbourne Oil Co
Limousine 15 FE Federal #1H
Eddy, New Mexico
Rig: Patterson UTI Rig 101
Created By: Guthrey Johnson
Date: 11/12/2010



Mewbourne Oil Co

PROJECT DETAILS: Eddy, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



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NMOC ARTESIA

WELL DETAILS: Limousine 15 FE Federal #1H

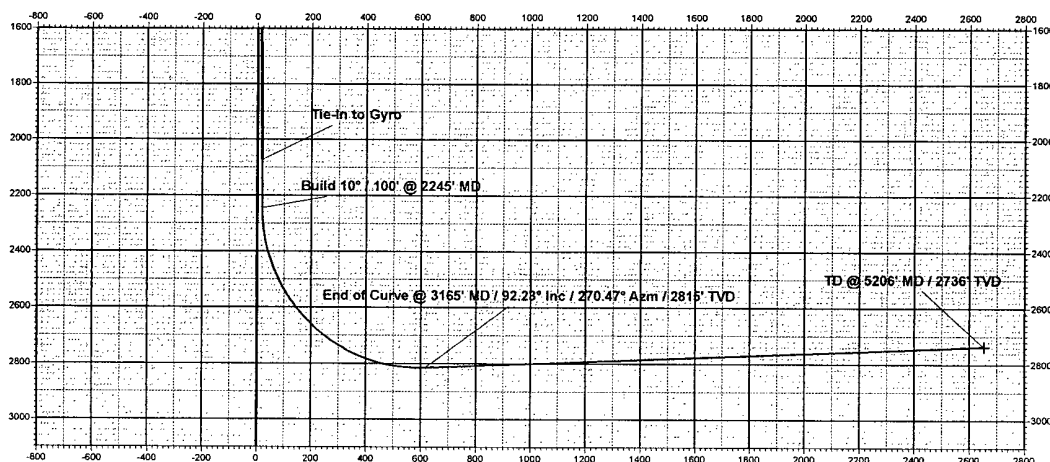
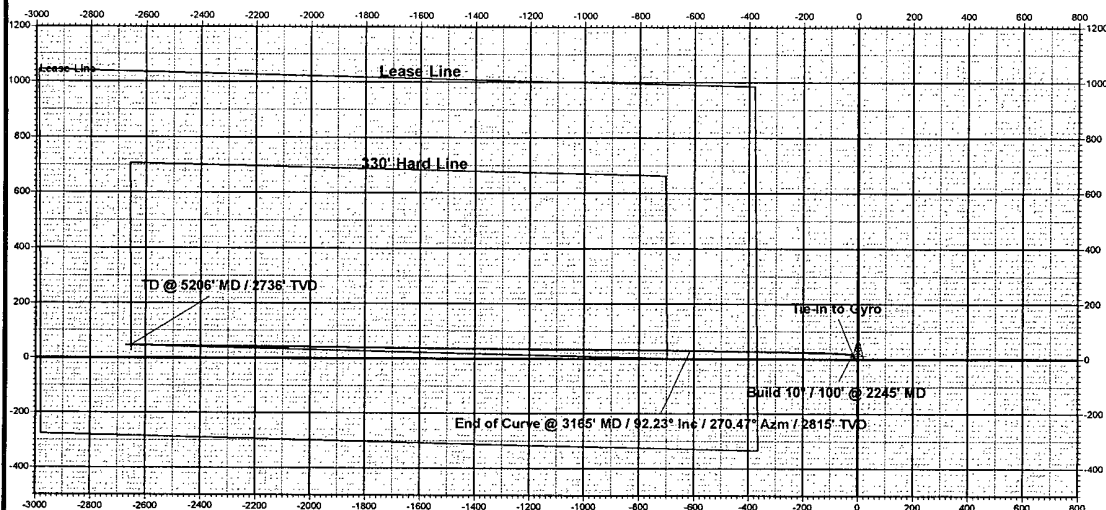
		Ground Level: 3415.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	572601.60	457575.96	32° 34' 26.801 N	104° 28' 15.788 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
2074.3	0.70	343.38	2074.1	16.2	-18.5	18.8	Tie-In to Gyro
2245.2	0.70	343.38	2244.9	18.2	-19.1	19.4	Build 10° / 100' @ 2245' MD
3165.4	92.23	270.47	2815.4	30.0	-614.3	614.7	End of Curve @ 3165' MD / 92.23° Inc / 270.47° Azm / 2815' TVD
5205.9	92.23	270.47	2736.0	46.6	-2653.2	2653.6	TD @ 5206' MD / 2736° TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Limousine 15 FE Federal #1H	2736.0	46.6	-2653.2	572647.60	454922.77	32° 34' 27.227 N	104° 28' 46.796 W
- plan hits target center							



Vertical Section at 271.01° (200 usft/in)