

Results of Directional Survey

API number:	30-025-40056		
OGRID:		Operator:	MEWBOURNE OIL CO
		Property:	SALADO DRAW 10 FEDERAL # 2H

surface	ULSTR:	B	10	T 26S	R 33E
				330 FNL	1980 FEL

BH Loc	ULSTR:	O	10	T 26S	R 33E
13770	MD	9319.3	TVD	341 FN <i>ESL</i>	1931 FEL
				4939 FNL	

Top Perf/OH	ULSTR:	B	10	T 26S	R 33E
9640	MD	9297.9	TVD	812 FNL	2061 FEL

Bot Perf/OH	ULSTR:	O	10	T 26S	R 33E
13668	MD	9319.2	TVD	443 FNL	1931 FEL
				4837 FNL	

	MD	N/S	E/W	VD
	9636	-478.10	-80.60	9297.8
TOP PERFS/OH	9640	-482.10	-80.59	9297.93
	9668	-510.10	-80.50	9298.80
	13623	-4462.20	48.90	9318.50
BOT PERFS/OH	13668	-4507.20	49.04	9319.17
	13717	-4556.20	49.20	9319.90

NEXT TO LAST	13717	-4556.20	49.20	9319.90
LAST READING	13770	-4609.10	48.70	9319.30
TD	13770	-4609.10	48.70	9319.30

Surface Location	330	FN	1980	FE
Projected BHL	4939	FN	1931	FE
Location of				
Top Perfs/OH	812	FN	2061	FE
Bottom Perfs/OH	4837	FN	1931	FE

SUMMARY of Subsurface Locations

Surface Location	B-10-26S-33E	330	FN	1980	FE	Vert. Depth
Top Perfs/OH	B-10-26S-33E	812	FN	2061	FE	9297.93
Bottom Perfs/OH	O-10-26S-33E	4837	FN	1931	FE	9319.17
Projected TD	O-10-26S-33E	4939	FN	1931	FE	9319.30

AUG 22 2013

OPERATOR MEWBOURNE OIL COMPANY
WELL/LEASE SALADO DRAW 10 FED 2H
COUNTY LEA

036-0053

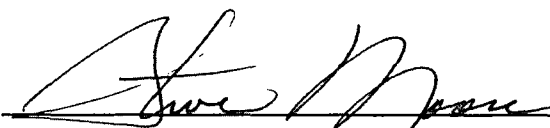
STATE OF NEW MEXICO
DEVIATION REPORT

300	0.22
657	0.58
1,227	0.84
1,479	1.16
1,734	1.80
2,050	3.34
2,145	2.92
2,240	2.85
2,336	3.18
2,431	3.28
2,526	3.38
2,622	3.61
2,716	3.76
2,842	3.90
2,969	3.20
3,096	4.01
3,223	4.28
3,350	3.96
3,476	3.95
3,633	4.04
3,792	4.39
3,950	4.30
4,141	2.86
4,331	2.97
4,531	3.00
4,606	3.11
5,099	1.10
5,511	1.00
5,891	0.40
6,145	0.30
6,398	0.50
6,683	0.40
7,000	0.50
7,316	0.70
7,917	0.80
8,203	1.40
8,473	1.00

HOBBS OCD

JUL 16 2013

RECEIVED

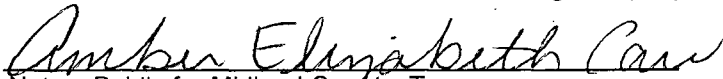
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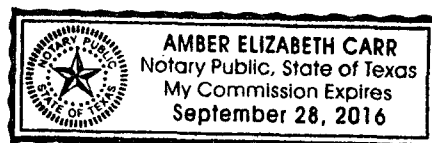
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Steve Moore on behalf of Patterson-UTI Drilling Company LLC.

5/1/13, by


Notary Public for Midland County, Texas
My Commission Expires:





SURVEY CALCULATION PROGRAM

v1.00.02

HOBS OCD

JUL 16 2013

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OPERATOR:	MEWBOURNE		Supervisors:
WELL:	SALADO DRAW 10 FED #2H		CLAYTON THOMAS
LOCATION:	LEA COUNTY, NM.		CODY BERRYMAN
JOB NUMBER:		API #:	30-025-40056
COMMENTS:			
DISPLACEMENT OF 170.81 FT @ 327.16 DEGREES			
		MAG DEC.(-/+)	7.34
		GRID CORR.(-/+)	
		TOTAL CORR.(-/+)	
DATE: 4/15/13		TIME: 0200	

MINIMUM CURVATURE CALCULATIONS(SPE-3362) PROPOSED DIRECTION									TARGET TRACKING		CLOSURE		BUILD	WALK
									TO CENTER					
SVY	MD	INC	TRUE	TVD	SECT	N-S	E-W	DLS/100	ABOVE(+)	RIGHT(+)	DIR	DISTANCE	RATE/	RATE/
NUM			AZM						BELOW(-)	LEFT(-)	(DEG AZ)	(FEET)	'/100'	'/100'
TIE														
1	100	0.06	301.99	100.00	0.03	0.03	-0.04	0.1	-100.0	0.0	302.0	0.1	0.1	0.0
2	200	0.21	279.27	200.00	0.08	0.08	-0.27	0.2	-200.0	-0.3	287.5	0.3	0.1	-0.1
3	300	0.29	298.02	300.00	0.23	0.23	-0.67	0.1	-300.0	-0.7	289.1	0.7	0.1	0.1
4	400	0.33	304.96	400.00	0.52	0.52	-1.13	0.1	-400.0	-1.1	294.5	1.2	0.0	0.0
5	500	0.35	304.93	500.00	0.86	0.86	-1.62	0.0	-500.0	-1.6	297.9	1.8	0.0	0.0
6	600	0.31	326.55	599.99	1.26	1.26	-2.02	0.1	-600.0	-2.0	301.9	2.4	0.0	0.0
7	700	0.26	333.56	699.99	1.69	1.69	-2.27	0.1	-700.0	-2.3	306.6	2.8	-0.1	0.0
8	800	0.27	10.11	799.99	2.12	2.12	-2.33	0.2	-800.0	-2.3	312.3	3.2	0.0	0.0
9	900	0.48	3.79	899.99	2.77	2.77	-2.26	0.2	-900.0	-2.3	320.8	3.6	0.2	0.0
10	1000	0.21	354.29	999.99	3.37	3.37	-2.25	0.3	-1000.0	-2.3	326.3	4.1	-0.3	0.0
11	1100	0.41	345.35	1099.99	3.90	3.90	-2.36	0.2	-1100.0	-2.4	328.8	4.6	0.2	0.0
12	1200	0.40	324.40	1199.98	4.53	4.53	-2.65	0.1	-1200.0	-2.7	329.6	5.3	0.0	0.0
13	1300	0.54	323.98	1299.98	5.20	5.20	-3.13	0.1	-1300.0	-3.1	328.9	6.1	0.1	0.0
14	1400	0.77	328.86	1399.97	6.15	6.15	-3.76	0.2	-1400.0	-3.8	328.6	7.2	0.2	0.0
15	1500	0.90	325.02	1499.96	7.37	7.37	-4.56	0.1	-1500.0	-4.6	328.3	8.7	0.1	0.0
16	1600	1.09	331.08	1599.95	8.85	8.85	-5.47	0.2	-1599.9	-5.5	328.3	10.4	0.2	0.0
17	1700	1.84	326.06	1699.91	11.01	11.01	-6.82	0.8	-1699.9	-6.8	328.2	13.0	0.7	0.0
18	1800	1.99	318.96	1799.86	13.65	13.65	-8.86	0.3	-1799.9	-8.9	327.0	16.3	0.1	0.0
19	1900	2.18	315.93	1899.79	16.33	16.33	-11.32	0.2	-1899.8	-11.3	325.3	19.9	0.2	0.0
20	2000	2.20	308.81	1999.72	18.90	18.90	-14.14	0.3	-1999.7	-14.1	323.2	23.6	0.0	0.0
21	2100	2.33	304.10	2099.64	21.24	21.24	-17.32	0.2	-2099.6	-17.3	320.8	27.4	0.1	0.0
22	2200	2.60	301.55	2199.55	23.57	23.57	-20.93	0.3	-2199.5	-20.9	318.4	31.5	0.3	0.0
23	2300	2.82	299.74	2299.44	25.97	25.97	-25.00	0.2	-2299.4	-25.0	316.1	36.1	0.2	0.0
24	2400	3.00	299.30	2399.31	28.47	28.47	-29.42	0.2	-2399.3	-29.4	314.1	40.9	0.2	0.0
25	2500	3.00	301.54	2499.17	31.12	31.12	-33.93	0.1	-2499.2	-33.9	312.5	46.0	0.0	0.0
26	2600	3.24	300.52	2599.02	33.93	33.93	-38.60	0.2	-2599.0	-38.6	311.3	51.4	0.2	0.0
27	2700	3.35	300.73	2698.86	36.86	36.86	-43.54	0.1	-2698.9	-43.5	310.2	57.0	0.1	0.0
28	2800	3.48	300.82	2798.68	39.90	39.90	-48.66	0.1	-2798.7	-48.7	309.4	62.9	0.1	0.0
29	2900	3.75	301.59	2898.48	43.17	43.17	-54.05	0.3	-2898.5	-54.1	308.6	69.2	0.3	0.0
30	3000	3.91	302.05	2998.26	46.69	46.69	-59.73	0.2	-2998.3	-59.7	308.0	75.8	0.2	0.0
31	3100	3.88	301.97	3098.03	50.30	50.30	-65.49	0.0	-3098.0	-65.5	307.5	82.6	0.0	0.0
32	3200	4.00	302.96	3197.79	53.98	53.98	-71.29	0.1	-3197.8	-71.3	307.1	89.4	0.1	0.0
33	3300	3.56	313.90	3297.57	58.03	58.03	-76.45	0.8	-3297.6	-76.5	307.2	96.0	-0.4	0.0
34	3400	3.81	325.91	3397.37	62.94	62.94	-80.55	0.8	-3397.4	-80.5	308.0	102.2	0.2	0.0
35	3500	4.20	336.63	3497.13	69.05	69.05	-83.86	0.8	-3497.1	-83.9	309.5	108.6	0.4	0.0
36	3600	4.41	346.27	3596.84	76.15	76.15	-86.23	0.8	-3596.8	-86.2	311.4	115.0	0.2	0.0
37	3700	4.45	350.30	3696.55	83.71	83.71	-87.80	0.3	-3696.5	-87.8	313.6	121.3	0.0	0.0
38	3800	4.28	349.54	3796.26	91.20	91.20	-89.13	0.2	-3796.3	-89.1	315.7	127.5	-0.2	0.0
39	3900	3.85	350.82	3896.00	98.18	98.18	-90.34	0.4	-3896.0	-90.3	317.4	133.4	-0.4	0.0
40	4000	3.49	345.23	3995.80	104.44	104.44	-91.65	0.5	-3995.8	-91.7	318.7	139.0	-0.4	0.0
41	4100	3.06	338.40	4095.64	109.87	109.87	-93.41	0.6	-4095.6	-93.4	319.6	144.2	-0.4	0.0
42	4200	3.03	337.34	4195.49	114.79	114.79	-95.41	0.1	-4195.5	-95.4	320.3	149.3	0.0	0.0
43	4300	3.02	349.61	4295.36	119.82	119.82	-96.90	0.6	-4295.4	-96.9	321.0	154.1	0.0	0.0
44	4400	2.89	353.12	4395.22	124.91	124.91	-97.68	0.2	-4395.2	-97.7	322.0	158.6	-0.1	0.0
45	4500	2.73	357.10	4495.10	129.79	129.79	-98.10	0.3	-4495.1	-98.1	322.9	162.7	-0.2	0.0
46	4600	2.86	11.34	4594.99	134.62	134.62	-97.73	0.7	-4595.0	-97.7	324.0	166.4	0.1	0.0



SURVEY CALCULATION PROGRAM

v1.00.02

OPERATOR:	MEWBOURNE		Supervisors:
WELL:	SALADO DRAW 10 FED #2H		CLAYTON THOMAS
LOCATION:	LEA COUNTY, NM.		CODY BERRYMAN
JOB NUMBER:		API #:	30-025-40056
COMMENTS:			
DISPLACEMENT OF 170.81 FT @ 327.16 DEGREES			MAG DEC. (-/+)
			7.34
			GRID CORR. (-/+)
			TOTAL CORR. (-/+)
DATE: 4/15/13 TIME: 0200			

MINIMUM CURVATURE CALCULATIONS(SPE-3362) PROPOSED DIRECTION										TARGET TRACKING					
										TO CENTER		CLOSURE	CLOSURE	BUILD	WALK
SVY	TRUE						DLS/			ABOVE(+)	RIGHT(+)	DIR	DISTANCE	RATE/	RATE/
NUM	MD	INC	AZM	TVD	SECT	N-S	E-W	100		BELOW(-)	LEFT(-)	(DEG AZ)	(FEET)	'/100'	'/100'
47	4700	2.96	22.73	4694.86	139.44	139.44	-96.25	0.6		-4694.9	-96.2	325.4	169.4	0.1	0.0
48	4800	2.69	32.55	4794.74	143.80	143.80	-93.98	0.6		-4794.7	-94.0	326.8	171.8	-0.3	0.0
49	4900	2.11	38.17	4894.65	147.23	147.23	-91.58	0.6		-4894.6	-91.6	328.1	173.4	-0.6	0.0
50	5000	1.18	31.86	4994.61	149.55	149.55	-89.90	0.9		-4994.6	-89.9	329.0	174.5	-0.9	0.0
51	5100	1.03	16.91	5094.59	151.29	151.29	-89.10	0.3		-5094.6	-89.1	329.5	175.6	-0.1	0.0
52	5200	1.06	40.04	5194.57	152.85	152.85	-88.24	0.4		-5194.6	-88.2	330.0	176.5	0.0	0.0
53	5300	1.02	23.93	5294.56	154.38	154.38	-87.29	0.3		-5294.6	-87.3	330.5	177.3	0.0	0.0
54	5400	0.81	42.31	5394.54	155.71	155.71	-86.45	0.4		-5394.5	-86.4	331.0	178.1	-0.2	0.0
55	5500	1.07	37.10	5494.53	156.98	156.98	-85.41	0.3		-5494.5	-85.4	331.5	178.7	0.3	0.0
56	5600	0.75	42.81	5594.52	158.20	158.20	-84.40	0.3		-5594.5	-84.4	331.9	179.3	-0.3	0.0
57	5700	0.94	31.17	5694.51	159.39	159.39	-83.53	0.3		-5694.5	-83.5	332.3	179.9	0.2	0.0
58	5800	0.59	359.35	5794.50	160.60	160.60	-83.11	0.5		-5794.5	-83.1	332.6	180.8	-0.4	0.0
59	5900	0.39	22.17	5894.49	161.43	161.43	-82.99	0.3		-5894.5	-83.0	332.8	181.5	-0.2	0.0
60	6000	0.12	314.42	5994.49	161.82	161.82	-82.94	0.4		-5994.5	-82.9	332.9	181.8	-0.3	0.0
61	6100	0.08	331.01	6094.49	161.96	161.96	-83.05	0.0		-6094.5	-83.0	332.9	182.0	0.0	0.0
62	6200	0.09	261.75	6194.49	162.01	162.01	-83.16	0.1		-6194.5	-83.2	332.8	182.1	0.0	0.0
63	6300	0.19	295.46	6294.49	162.07	162.07	-83.39	0.1		-6294.5	-83.4	332.8	182.3	0.1	0.0
64	6400	0.44	282.62	6394.5	162.2	162.2	-83.9	0.3		-6394.5	-83.9	332.6	182.6	0.2	0.0
65	6500	0.23	264.77	6494.5	162.3	162.3	-84.5	0.2		-6494.5	-84.5	332.5	183.0	-0.2	0.0
66	6600	0.19	295.27	6594.5	162.3	162.3	-84.8	0.1		-6594.5	-84.8	332.4	183.2	0.0	0.0
67	6700	0.49	322.81	6694.5	162.8	162.8	-85.2	0.3		-6694.5	-85.2	332.4	183.7	0.3	0.0
68	6800	0.55	308.52	6794.5	163.4	163.4	-85.9	0.1		-6794.5	-85.9	332.3	184.6	0.1	0.0
69	6900	0.54	310.75	6894.5	164.0	164.0	-86.6	0.0		-6894.5	-86.6	332.2	185.5	0.0	0.0
70	7000	0.22	284.66	6994.5	164.4	164.4	-87.2	0.4		-6994.5	-87.2	332.1	186.0	-0.3	0.0
71	7100	0.28	191.60	7094.5	164.2	164.2	-87.4	0.4		-7094.5	-87.4	332.0	186.0	0.1	0.0
72	7200	0.47	168.40	7194.5	163.5	163.5	-87.4	0.2		-7194.5	-87.4	331.9	185.4	0.2	0.0
73	7300	0.63	200.52	7294.5	162.6	162.6	-87.5	0.3		-7294.5	-87.5	331.7	184.6	0.2	0.0
74	7400	0.52	216.48	7394.5	161.7	161.7	-87.9	0.2		-7394.5	-87.9	331.5	184.1	-0.1	0.0
75	7500	0.36	173.34	7494.5	161.0	161.0	-88.2	0.4		-7494.5	-88.2	331.3	183.6	-0.2	0.0
76	7600	0.89	200.76	7594.5	160.0	160.0	-88.4	0.6		-7594.5	-88.4	331.1	182.8	0.5	0.0
77	7700	0.90	178.23	7694.4	158.5	158.5	-88.6	0.3		-7694.4	-88.6	330.8	181.6	0.0	0.0
78	7800	0.80	189.52	7794.4	157.0	157.0	-88.7	0.2		-7794.4	-88.7	330.5	180.4	-0.1	0.0
79	7900	0.65	213.73	7894.4	155.9	155.9	-89.2	0.3		-7894.4	-89.2	330.2	179.6	-0.1	0.0
80	8000	0.58	232.68	7994.4	155.1	155.1	-89.9	0.2		-7994.4	-89.9	329.9	179.3	-0.1	0.0
81	8100	0.78	206.60	8094.4	154.2	154.2	-90.6	0.4		-8094.4	-90.6	329.6	178.8	0.2	0.0
82	8200	1.08	189.47	8194.4	152.6	152.6	-91.1	0.4		-8194.4	-91.1	329.2	177.7	0.3	0.0
83	8300	1.29	188.27	8294.4	150.6	150.6	-91.4	0.2		-8294.4	-91.4	328.8	176.1	0.2	0.0
84	8400	1.65	185.58	8394.3	148.0	148.0	-91.7	0.4		-8394.3	-91.7	328.2	174.1	0.4	0.0
85	8500	2.03	193.42	8494.3	144.9	144.9	-92.2	0.5		-8494.3	-92.2	327.5	171.7	0.4	0.0
86	8540	2.11	199.51	8534.3	143.5	143.5	-92.6	0.6		-8534.3	-92.6	327.2	170.8	0.2	0.0

Mewbourne Oil Co

Lea County, NM
Sec 10, T-26-S, R-33-E
Salado Draw 10 Federal Com #2H

Wellbore #1

Design: Wellbore #1

DDC Survey Report

25 April, 2013

HOBBS OCD

JUL 16 2013

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DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Salado-Draw 10 Federal Com #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3333.0usft (Patterson #36)
Site:	Sec 10, T-26-S, R-33-E	MD Reference:	WELL @ 3333.0usft (Patterson #36)
Well:	Salado Draw 10 Federal Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 10, T-26-S, R-33-E		
Site Position:		Northing:	387,940.44 usft
From:	Map	Easting:	738,700.05 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 51.196 N
		Longitude:	103° 33' 46.053 W
		Grid Convergence:	0.41 °

Well	Salado Draw 10 Federal Com #2H		
Well Position	+N/-S	0.0 usft	Northing: 387,949.47 usft
	+E/-W	0.0 usft	Easting: 740,316.91 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 3' 51.171 N
		Longitude:	103° 33' 27.265 W
		Ground Level:	3,313.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	3/19/2013	(°)
			7.35
			60.00
			48,346

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			179.59

Survey Program	Date 4/25/2013		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	8,540.0	GYRO (Wellbore #1)	Good_gyro
8,578.0	13,770.0	MWD (Wellbore #1)	MWD default
			Good Gyro
			MWD - Standard

Survey	Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
	(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	100.0	0.06	301.99	100.0	0.0	0.0	0.0	0.06	0.06	0.00
	200.0	0.21	279.27	200.0	0.1	-0.3	-0.1	0.16	0.15	-22.72
	300.0	0.29	298.02	300.0	0.2	-0.7	-0.2	0.11	0.08	18.75
	400.0	0.33	304.96	400.0	0.5	-1.1	-0.5	0.05	0.04	6.94
	500.0	0.35	304.93	500.0	0.9	-1.6	-0.9	0.02	0.02	-0.03
	600.0	0.31	326.55	600.0	1.3	-2.0	-1.3	0.13	-0.04	21.62
	700.0	0.26	333.56	700.0	1.7	-2.3	-1.7	0.06	-0.05	7.01
	800.0	0.27	10.11	800.0	2.1	-2.3	-2.1	0.17	0.01	36.55
	900.0	0.48	3.79	900.0	2.8	-2.3	-2.8	0.21	0.21	-6.32

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Salado Draw 10 Federal Com #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3333.0usft (Patterson #36)
Site:	Sec 10, T-26-S, R-33-E	MD Reference:	WELL @ 3333.0usft (Patterson #36)
Well:	Salado Draw 10 Federal Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM:5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	0.21	354.29	1,000.0	3.4	-2.3	-3.4	0.28	-0.27	-9.50
1,100.0	0.41	345.35	1,100.0	3.9	-2.4	-3.9	0.21	0.20	-8.94
1,200.0	0.40	324.40	1,200.0	4.5	-2.7	-4.5	0.15	-0.01	-20.95
1,300.0	0.54	323.98	1,300.0	5.2	-3.1	-5.2	0.14	0.14	-0.42
1,400.0	0.77	328.86	1,400.0	6.2	-3.8	-6.2	0.24	0.23	4.88
1,500.0	0.90	325.02	1,500.0	7.4	-4.6	-7.4	0.14	0.13	-3.84
1,600.0	1.09	331.08	1,599.9	8.8	-5.5	-8.9	0.22	0.19	6.06
1,700.0	1.84	326.06	1,699.9	11.0	-6.8	-11.1	0.76	0.75	-5.02
1,800.0	1.99	318.96	1,799.9	13.7	-8.9	-13.7	0.28	0.15	-7.10
1,900.0	2.18	315.93	1,899.8	16.3	-11.3	-16.4	0.22	0.19	-3.03
2,000.0	2.20	308.81	1,999.7	18.9	-14.1	-19.0	0.27	0.02	-7.12
2,100.0	2.33	304.10	2,099.6	21.2	-17.3	-21.4	0.23	0.13	-4.71
2,200.0	2.60	301.55	2,199.5	23.6	-20.9	-23.7	0.29	0.27	-2.55
2,300.0	2.82	299.74	2,299.4	26.0	-25.0	-26.2	0.24	0.22	-1.81
2,400.0	3.00	299.30	2,399.3	28.5	-29.4	-28.7	0.18	0.18	-0.44
2,500.0	3.00	301.54	2,499.2	31.1	-33.9	-31.4	0.12	0.00	2.24
2,600.0	3.24	300.52	2,599.0	33.9	-38.6	-34.2	0.25	0.24	-1.02
2,700.0	3.35	300.73	2,698.9	36.9	-43.5	-37.2	0.11	0.11	0.21
2,800.0	3.48	300.82	2,798.7	39.9	-48.7	-40.3	0.13	0.13	0.09
2,900.0	3.75	301.59	2,898.5	43.2	-54.1	-43.6	0.27	0.27	0.77
3,000.0	3.91	302.05	2,998.3	46.7	-59.7	-47.1	0.16	0.16	0.46
3,100.0	3.88	301.97	3,098.0	50.3	-65.5	-50.8	0.03	-0.03	-0.08
3,200.0	4.00	302.96	3,197.8	54.0	-71.3	-54.5	0.14	0.12	0.99
3,300.0	3.56	313.90	3,297.6	58.0	-76.5	-58.6	0.84	-0.44	10.94
3,400.0	3.81	325.91	3,397.4	62.9	-80.5	-63.5	0.81	0.25	12.01
3,500.0	4.20	336.63	3,497.1	69.1	-83.9	-69.7	0.84	0.39	10.72
3,600.0	4.41	346.27	3,596.8	76.1	-86.2	-76.8	0.75	0.21	9.64
3,700.0	4.45	350.30	3,696.5	83.7	-87.8	-84.3	0.31	0.04	4.03
3,800.0	4.28	349.54	3,796.3	91.2	-89.1	-91.8	0.18	-0.17	-0.76
3,900.0	3.85	350.82	3,896.0	98.2	-90.3	-98.8	0.44	-0.43	1.28
4,000.0	3.49	345.23	3,995.8	104.4	-91.7	-105.1	0.51	-0.36	-5.59
4,100.0	3.06	338.40	4,095.6	109.9	-93.4	-110.5	0.58	-0.43	-6.83
4,200.0	3.03	337.34	4,195.5	114.8	-95.4	-115.5	0.06	-0.03	-1.06
4,300.0	3.02	349.61	4,295.4	119.8	-96.9	-120.5	0.65	-0.01	12.27
4,400.0	2.89	353.12	4,395.2	124.9	-97.7	-125.6	0.22	-0.13	3.51
4,500.0	2.73	357.10	4,495.1	129.8	-98.1	-130.5	0.25	-0.16	3.98
4,600.0	2.86	11.34	4,595.0	134.6	-97.7	-135.3	0.70	0.13	14.24
4,700.0	2.96	22.73	4,694.9	139.4	-96.2	-140.1	0.59	0.10	11.39
4,800.0	2.69	32.55	4,794.7	143.8	-94.0	-144.5	0.55	-0.27	9.82
4,900.0	2.11	38.17	4,894.6	147.2	-91.6	-147.9	0.63	-0.58	5.62
5,000.0	1.18	31.86	4,994.6	149.6	-89.9	-150.2	0.95	-0.93	-6.31
5,100.0	1.03	16.91	5,094.6	151.3	-89.1	-151.9	0.32	-0.15	-14.95
5,200.0	1.06	40.04	5,194.6	152.9	-88.2	-153.5	0.42	0.03	23.13

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Salado Draw 10 Federal Com #2H
Project:	Lea County NM	TVD Reference:	WELL @ 3333.0usft (Patterson #36)
Site:	Sec 10, T-26-S, R-33-E	MD Reference:	WELL @ 3333.0usft (Patterson #36)
Well:	Salado Draw 10 Federal Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,300.0	1.02	23.93	5,294.6	154.4	-87.3	-155.0	0.29	-0.04	-16.11	
5,400.0	0.81	42.31	5,394.5	155.7	-86.4	-156.3	0.36	-0.21	18.38	
5,500.0	1.07	37.10	5,494.5	157.0	-85.4	-157.6	0.27	0.26	-5.21	
5,600.0	0.75	42.81	5,594.5	158.2	-84.4	-158.8	0.33	-0.32	5.71	
5,700.0	0.94	31.17	5,694.5	159.4	-83.5	-160.0	0.26	0.19	-11.64	
5,800.0	0.59	359.35	5,794.5	160.6	-83.1	-161.2	0.54	-0.35	-31.82	
5,900.0	0.39	22.17	5,894.5	161.4	-83.0	-162.0	0.28	-0.20	22.82	
6,000.0	0.12	314.42	5,994.5	161.8	-82.9	-162.4	0.36	-0.27	-67.75	
6,100.0	0.08	331.01	6,094.5	162.0	-83.0	-162.5	0.05	-0.04	16.59	
6,200.0	0.09	261.75	6,194.5	162.0	-83.2	-162.6	0.10	0.01	-69.26	
6,300.0	0.19	295.46	6,294.5	162.1	-83.4	-162.7	0.13	0.10	33.71	
6,400.0	0.44	282.62	6,394.5	162.2	-83.9	-162.8	0.26	0.25	-12.84	
6,500.0	0.23	264.77	6,494.5	162.3	-84.5	-162.9	0.23	-0.21	-17.85	
6,600.0	0.19	295.27	6,594.5	162.3	-84.8	-162.9	0.12	-0.04	30.50	
6,700.0	0.49	322.81	6,694.5	162.8	-85.2	-163.4	0.33	0.30	27.54	
6,800.0	0.55	308.52	6,794.5	163.4	-85.9	-164.0	0.14	0.06	-14.29	
6,900.0	0.54	310.75	6,894.5	164.0	-86.6	-164.6	0.02	-0.01	2.23	
7,000.0	0.22	284.66	6,994.5	164.4	-87.2	-165.0	0.36	-0.32	-26.09	
7,100.0	0.28	191.60	7,094.5	164.2	-87.4	-164.8	0.37	0.06	-93.06	
7,200.0	0.47	168.40	7,194.5	163.5	-87.4	-164.1	0.24	0.19	-23.20	
7,300.0	0.63	200.52	7,294.5	162.6	-87.5	-163.2	0.34	0.16	32.12	
7,400.0	0.52	216.48	7,394.5	161.7	-87.9	-162.3	0.19	-0.11	15.96	
7,500.0	0.36	173.34	7,494.5	161.0	-88.2	-161.7	0.36	-0.16	-43.14	
7,600.0	0.89	200.76	7,594.5	160.0	-88.4	-160.6	0.59	0.53	27.42	
7,700.0	0.90	178.23	7,694.4	158.5	-88.6	-159.1	0.35	0.01	-22.53	
7,800.0	0.80	189.52	7,794.4	157.0	-88.7	-157.7	0.19	-0.10	11.29	
7,900.0	0.65	213.73	7,894.4	155.9	-89.2	-156.5	0.34	-0.15	24.21	
8,000.0	0.58	232.68	7,994.4	155.1	-89.9	-155.7	0.21	-0.07	18.95	
8,100.0	0.78	206.60	8,094.4	154.2	-90.6	-154.8	0.36	0.20	-26.08	
8,200.0	1.08	189.47	8,194.4	152.6	-91.1	-153.3	0.41	0.30	-17.13	
8,300.0	1.29	188.27	8,294.4	150.6	-91.4	-151.2	0.21	0.21	-1.20	
8,400.0	1.65	185.58	8,394.3	148.0	-91.7	-148.7	0.37	0.36	-2.69	
8,500.0	2.03	193.42	8,494.3	144.9	-92.2	-145.5	0.45	0.38	7.84	
TIE IN @ 8540' MD / 8534.3' TVD										
8,540.0	2.11	199.51	8,534.3	143.5	-92.6	-144.2	0.58	0.20	15.23	
8,578.0	1.90	196.30	8,572.2	142.2	-93.0	-142.9	0.63	-0.55	-8.45	
8,593.0	2.10	198.40	8,587.2	141.7	-93.2	-142.4	1.42	1.33	14.00	
8,624.0	1.90	201.40	8,618.2	140.7	-93.6	-141.4	0.73	-0.65	9.68	
8,655.0	4.00	190.60	8,649.2	139.2	-94.0	-139.8	6.98	6.77	-34.84	
8,687.0	6.80	188.40	8,681.0	136.2	-94.4	-136.9	8.77	8.75	-6.88	
8,718.0	9.30	188.60	8,711.7	131.9	-95.1	-132.6	8.07	8.06	0.65	
8,750.0	11.80	185.30	8,743.2	126.1	-95.8	-126.8	8.03	7.81	-10.31	
8,782.0	14.30	178.60	8,774.3	118.9	-96.0	-119.6	9.12	7.81	-20.94	

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Salado Draw 10 Federal Com #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3333.0usft (Patterson #36)
Site:	Sec 10, T-26-S, R-33-E	MD Reference:	WELL @ 3333.0usft (Patterson #36)
Well:	Salado Draw 10 Federal Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,813.0	16.80	174.80	8,804.2	110.6	-95.5	-111.3	8.70	8.06	-12.26
8,844.0	18.70	175.50	8,833.7	101.2	-94.7	-101.9	6.17	6.13	2.26
8,876.0	20.60	176.90	8,863.9	90.4	-94.0	-91.1	6.12	5.94	4.38
8,908.0	22.90	177.40	8,893.6	78.6	-93.4	-79.3	7.21	7.19	1.56
8,939.0	25.40	178.10	8,921.9	65.9	-92.9	-66.6	8.12	8.06	2.26
8,971.0	28.00	178.40	8,950.5	51.6	-92.5	-52.2	8.14	8.13	0.94
9,003.0	30.30	178.10	8,978.4	36.0	-92.0	-36.6	7.20	7.19	-0.94
9,035.0	32.80	178.50	9,005.7	19.2	-91.5	-19.9	7.84	7.81	1.25
CROSSED HARDLINE @ 9066' MD / 9031.4' TVD									
9,066.0	35.30	178.60	9,031.4	1.9	-91.0	-2.5	8.07	8.06	0.32
9,098.0	38.20	178.30	9,057.0	-17.2	-90.5	16.6	9.08	9.06	-0.94
9,130.0	41.40	178.10	9,081.6	-37.7	-89.9	37.1	10.01	10.00	-0.63
9,161.0	43.40	178.20	9,104.5	-58.6	-89.2	58.0	6.46	6.45	0.32
9,193.0	46.20	178.90	9,127.2	-81.1	-88.6	80.5	8.88	8.75	2.19
9,225.0	48.90	179.50	9,148.8	-104.7	-88.3	104.1	8.55	8.44	1.88
9,256.0	51.30	179.90	9,168.7	-128.5	-88.2	127.9	7.80	7.74	1.29
9,288.0	53.30	180.70	9,188.2	-153.8	-88.3	153.2	6.56	6.25	2.50
9,320.0	56.40	180.80	9,206.6	-180.0	-88.7	179.4	9.69	9.69	0.31
9,351.0	60.10	180.40	9,222.9	-206.4	-88.9	205.7	11.99	11.94	-1.29
9,383.0	63.30	179.70	9,238.1	-234.5	-89.0	233.9	10.18	10.00	-2.19
9,414.0	67.20	178.30	9,251.1	-262.7	-88.5	262.0	13.23	12.58	-4.52
9,446.0	70.30	177.50	9,262.7	-292.5	-87.4	291.8	9.96	9.69	-2.50
9,478.0	73.40	176.20	9,272.7	-322.8	-85.7	322.2	10.43	9.69	-4.06
9,510.0	75.80	177.60	9,281.2	-353.6	-84.0	353.0	8.60	7.50	4.38
9,541.0	78.60	177.50	9,288.0	-383.8	-82.7	383.2	9.04	9.03	-0.32
9,573.0	81.90	178.10	9,293.4	-415.3	-81.5	414.7	10.48	10.31	1.88
9,605.0	87.20	179.40	9,296.5	-447.2	-80.8	446.6	17.05	16.56	4.06
9,636.0	88.00	179.80	9,297.8	-478.1	-80.6	477.6	2.88	2.58	1.29
9,668.0	88.20	179.60	9,298.8	-510.1	-80.5	509.5	0.88	0.63	-0.63
9,700.0	90.30	178.60	9,299.3	-542.1	-79.9	541.5	7.27	6.56	-3.13
9,731.0	91.10	178.60	9,298.9	-573.1	-79.2	572.5	2.58	2.58	0.00
9,763.0	91.50	178.10	9,298.2	-605.1	-78.3	604.5	2.00	1.25	-1.56
9,795.0	91.30	177.50	9,297.4	-637.1	-77.0	636.5	1.98	-0.63	-1.88
9,820.0	91.50	177.20	9,296.8	-662.0	-75.9	661.5	1.44	0.80	-1.20
9,852.0	90.90	176.20	9,296.1	-694.0	-74.0	693.4	3.64	-1.88	-3.13
9,883.0	91.10	175.80	9,295.6	-724.9	-71.9	724.3	1.44	0.65	-1.29
9,915.0	89.90	177.10	9,295.3	-756.8	-69.9	756.3	5.53	-3.75	4.06
9,947.0	88.60	178.50	9,295.7	-788.8	-68.7	788.3	5.97	-4.06	4.38
10,010.0	88.40	178.10	9,297.3	-851.7	-66.8	851.2	0.71	-0.32	-0.63
10,073.0	89.20	177.80	9,298.7	-914.7	-64.6	914.2	1.36	1.27	-0.48
10,136.0	89.60	177.20	9,299.3	-977.6	-61.8	977.2	1.14	0.63	-0.95
10,199.0	89.70	177.70	9,299.7	-1,040.6	-59.0	1,040.1	0.81	0.16	0.79
10,262.0	90.10	178.10	9,299.8	-1,103.5	-56.7	1,103.1	0.90	0.63	0.63
10,326.0	90.90	178.50	9,299.3	-1,167.5	-54.8	1,167.1	1.40	1.25	0.63

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well: Salado Draw 10 Federal Com #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3333.0usft (Patterson #36)
Site:	Sec 10, T-26-S, R-33-E	MD Reference:	WELL @ 3333.0usft (Patterson #36)
Well:	Salado Draw 10 Federal Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM:5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,389.0	91.30	179.30	9,298.0	-1,230.5	-53.6	1,230.0	1.42	0.63	1.27
10,453.0	89.50	178.10	9,297.6	-1,294.4	-52.1	1,294.0	3.38	-2.81	-1.88
10,517.0	89.90	177.90	9,297.9	-1,358.4	-49.9	1,358.0	0.70	0.63	-0.31
10,580.0	89.00	177.80	9,298.5	-1,421.3	-47.5	1,421.0	1.44	-1.43	-0.16
10,644.0	89.20	178.10	9,299.5	-1,485.3	-45.2	1,484.9	0.56	0.31	0.47
10,707.0	89.50	177.40	9,300.3	-1,548.2	-42.8	1,547.9	1.21	0.48	-1.11
10,771.0	88.60	178.10	9,301.3	-1,612.2	-40.3	1,611.9	1.78	-1.41	1.09
10,835.0	88.70	177.80	9,302.8	-1,676.1	-38.0	1,675.8	0.49	0.16	-0.47
10,898.0	88.60	177.70	9,304.3	-1,739.1	-35.5	1,738.8	0.22	-0.16	-0.16
10,961.0	88.60	177.90	9,305.9	-1,802.0	-33.1	1,801.7	0.32	0.00	0.32
11,025.0	89.10	178.00	9,307.1	-1,865.9	-30.8	1,865.7	0.80	0.78	0.16
11,088.0	89.80	178.80	9,307.7	-1,928.9	-29.0	1,928.7	1.69	1.11	1.27
11,152.0	90.00	178.10	9,307.9	-1,992.9	-27.3	1,992.6	1.14	0.31	-1.09
11,215.0	90.20	178.60	9,307.7	-2,055.9	-25.5	2,055.6	0.85	0.32	0.79
11,279.0	90.10	178.40	9,307.6	-2,119.8	-23.8	2,119.6	0.35	-0.16	-0.31
11,342.0	88.90	177.80	9,308.1	-2,182.8	-21.7	2,182.6	2.13	-1.90	-0.95
11,406.0	89.20	178.10	9,309.2	-2,246.8	-19.4	2,246.6	0.66	0.47	0.47
11,469.0	90.10	178.90	9,309.6	-2,309.7	-17.8	2,309.5	1.91	1.43	1.27
11,532.0	90.20	178.90	9,309.4	-2,372.7	-16.6	2,372.5	0.16	0.16	0.00
11,595.0	90.10	178.60	9,309.2	-2,435.7	-15.2	2,435.5	0.50	-0.16	-0.48
11,659.0	89.20	178.90	9,309.6	-2,499.7	-13.8	2,499.5	1.48	-1.41	0.47
11,723.0	90.10	178.30	9,310.0	-2,563.7	-12.2	2,563.5	1.69	1.41	-0.94
11,786.0	90.40	177.80	9,309.7	-2,626.6	-10.1	2,626.5	0.93	0.48	-0.79
11,849.0	90.60	178.20	9,309.2	-2,689.6	-7.9	2,689.5	0.71	0.32	0.63
11,913.0	90.50	178.50	9,308.6	-2,753.6	-6.1	2,753.4	0.49	-0.16	0.47
11,976.0	90.40	178.90	9,308.1	-2,816.5	-4.6	2,816.4	0.65	-0.16	0.63
12,040.0	89.80	179.00	9,308.0	-2,880.5	-3.5	2,880.4	0.95	-0.94	0.16
12,103.0	91.00	179.40	9,307.5	-2,943.5	-2.6	2,943.4	2.01	1.90	0.63
12,167.0	89.90	178.80	9,307.0	-3,007.5	-1.6	3,007.4	1.96	-1.72	-0.94
12,230.0	89.80	178.40	9,307.2	-3,070.5	0.0	3,070.4	0.65	-0.16	-0.63
12,293.0	88.20	177.40	9,308.3	-3,133.4	2.3	3,133.4	2.99	-2.54	-1.59
12,357.0	89.20	177.10	9,309.8	-3,197.3	5.3	3,197.3	1.63	1.56	-0.47
12,420.0	88.10	176.50	9,311.2	-3,260.2	8.9	3,260.2	1.99	-1.75	-0.95
12,484.0	88.30	176.50	9,313.2	-3,324.1	12.8	3,324.1	0.31	0.31	0.00
12,547.0	89.20	177.90	9,314.6	-3,387.0	15.8	3,387.0	2.64	1.43	2.22
12,611.0	89.30	177.30	9,315.5	-3,450.9	18.5	3,451.0	0.95	0.16	-0.94
12,642.0	90.20	177.80	9,315.6	-3,481.9	19.8	3,481.9	3.32	2.90	1.61
12,674.0	89.40	177.40	9,315.7	-3,513.9	21.2	3,513.9	2.80	-2.50	-1.25
12,737.0	90.60	177.40	9,315.7	-3,576.8	24.0	3,576.9	1.90	1.90	0.00
12,769.0	90.90	177.50	9,315.3	-3,608.8	25.5	3,608.9	0.99	0.94	0.31
12,801.0	90.60	177.30	9,314.9	-3,640.7	26.9	3,640.8	1.13	-0.94	-0.63
12,832.0	91.30	177.50	9,314.4	-3,671.7	28.3	3,671.8	2.35	2.26	0.65
12,863.0	91.10	177.50	9,313.7	-3,702.7	29.7	3,702.8	0.65	-0.65	0.00

DDC Survey Report



Company: Mewbourne Oil Co	Local Co-ordinate Reference: Well Salado Draw 10 Federal Com #2H
Project: Lea County, NM	TVD Reference: WELL @ 3333.0usft (Patterson #36)
Site: Sec 10, T-26-S, R-33-E	MD Reference: WELL @ 3333.0usft (Patterson #36)
Well: Salado Draw 10 Federal Com #2H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,927.0	91.40	177.40	9,312.3	-3,766.6	32.5	3,766.7	0.49	0.47	-0.16
12,990.0	91.20	177.40	9,310.9	-3,829.5	35.4	3,829.6	0.32	-0.32	0.00
13,052.0	91.00	177.30	9,309.7	-3,891.4	38.2	3,891.6	0.36	-0.32	-0.16
13,116.0	90.60	179.00	9,308.8	-3,955.4	40.3	3,955.6	2.73	-0.63	2.66
13,180.0	89.10	179.70	9,309.0	-4,019.4	41.0	4,019.6	2.59	-2.34	1.09
13,243.0	89.10	179.40	9,310.0	-4,082.4	41.5	4,082.6	0.48	0.00	-0.48
13,306.0	89.80	179.60	9,310.6	-4,145.4	42.1	4,145.5	1.16	1.11	0.32
13,370.0	88.50	178.70	9,311.5	-4,209.3	43.0	4,209.5	2.47	-2.03	-1.41
13,433.0	88.60	178.80	9,313.1	-4,272.3	44.4	4,272.5	0.22	0.16	0.16
13,497.0	88.50	178.50	9,314.7	-4,336.3	45.9	4,336.5	0.49	-0.16	-0.47
13,560.0	88.20	178.50	9,316.5	-4,399.2	47.6	4,399.4	0.48	-0.48	0.00
13,623.0	88.20	179.10	9,318.5	-4,462.2	48.9	4,462.4	0.95	0.00	0.95
13,717.0	90.10	180.50	9,319.9	-4,556.2	49.2	4,556.4	2.51	2.02	1.49
TD @ 13770' MD / 9319.3' TVD									
13,770.0	91.20	180.50	9,319.3	-4,609.1	48.7	4,609.4	2.08	2.08	0.00

Design Annotations

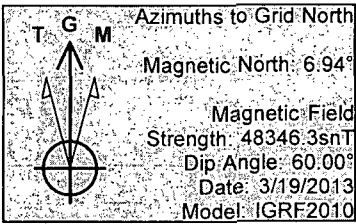
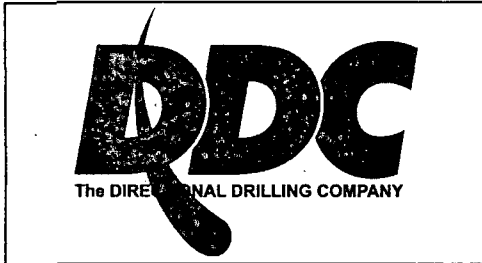
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,540.0	8,534.3	143.5	-92.6	TIE IN @ 8540' MD / 8534.3' TVD
9,066.0	9,031.4	1.9	-91.0	CROSSED HARDLINE @ 9066' MD / 9031.4' TVD
13,770.0	9,319.3	-4,609.1	48.7	TD @ 13770' MD / 9319.3' TVD

Checked By: _____ Approved By: _____ Date: _____

Company Name: Mewbourne Oil Co
Salado Draw 10 Federal Com #2H
Lea County, NM
Rig: Patterson #36
Created By: TIFFANI MIZELL
Date: 4/25/2013

Salado Draw 10 Federal Com #2H
Lea County, NM
Q130257 & WT-13276
Design #2

Mewbourne Oil Company



PROJECT DETAILS:	
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

WELL DETAILS:	
Salado Draw 10 Federal Com #2H	
+N/-S	Ground Level: 3313.0
+E/-W	North Easting
0.0	0.0 387949.47 740316.91 32° 3' 51.171 N 103° 33' 27.265 W

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
PBHL Salado Draw 10 Federal Com #2H Design #1	9318.0	-4618.0	33.3	383351.51	740350.22	32° 3' 51.171 N
- plan hits target center						103° 33' 27.265 W

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
8540.0	2.11	199.51	8534.3	143.5	-82.6	-144.2	236.2	TIE IN @ 8540' MD / 8534.3' TVD	
9066.0	36.30	178.60	9031.4	1.3	-91.0	-2.5	380.3	CROSSED HARDLINE @ 9066' MD / 9031.4' TVD	
13770.0	91.20	180.50	1319.3	-4609.1	48.7	4609.4	4594.0	TD @ 13770' MD / 1319.3' TVD	

