

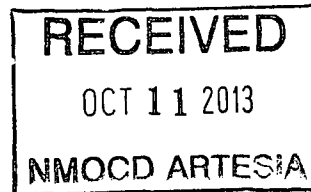
OPERATOR MEWBOURNE OIL COMPANY
WELL/LEASE SALT DRAW 2 CN FEE 001H
COUNTY EDDY

045-0096

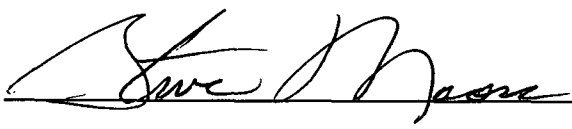
STATE OF NEW MEXICO
DEVIATION REPORT

30-0154163

181	0.49
285	1.70
370	2.07
490	2.79
702	1.40
878	1.65
1,258	1.09
1,574	1.72
1,924	0.78
2,117	1.38
2,243	2.18
2,370	1.78
2,496	2.14
2,570	1.70
2,689	1.60
2,869	1.50
3,155	1.00
2,496	0.50
3,811	0.40
4,244	0.97
4,584	0.50
5,044	0.49
5,393	0.78
5,703	0.98
6,154	1.03
6,535	1.00
5,852	0.62
7,264	1.65



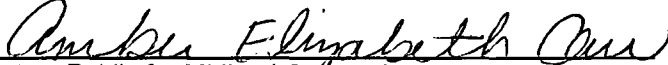
STATE OF TEXAS

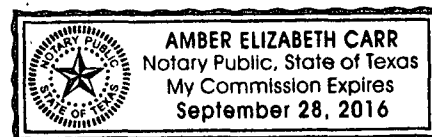
BY: 

COUNTY OF MIDLAND

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

9/16/13, by


Notary Public for Midland County, Texas
My Commission Expires:





Job Number: SVMO-130599
 Company: Mewbourne Oil & Gas
 Lease/Well: Salt Draw 2 CNFee 1H
 Location: Eddy County, NM
 Rig Name: Patterson #45
 RKB: 17'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.40°
 Grid: East To Grid North
 File name: S:\SURVEY\NEWSUR~1\RRCIWINSER~1\2013SU~1\MEWBOU~1\MOISAL
 Date/Time: 09-Oct-13 / 15:58
 Curve Name: Surface - 7643' M.D. (SRG)



WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 180.39
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.31	205.02	100.00	-.25	-.11	.25	.27	205.02	.31
200.00	.93	213.65	199.99	-1.17	-.68	1.17	1.35	210.20	.63
300.00	1.52	225.05	299.97	-2.78	-2.07	2.79	3.46	216.65	.64
400.00	2.15	218.12	399.92	-5.19	-4.16	5.22	6.65	218.73	.67
500.00	2.17	217.95	499.85	-8.16	-6.49	8.20	10.42	218.48	.02
600.00	1.81	225.97	599.79	-10.75	-8.79	10.81	13.88	219.26	.45
700.00	1.71	223.15	699.74	-12.94	-10.94	13.01	16.94	220.22	.13
800.00	1.40	227.69	799.70	-14.85	-12.87	14.93	19.65	220.91	.33
900.00	1.07	240.80	899.68	-16.13	-14.58	16.22	21.74	222.13	.43

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	1.16	246.00	999.66	-16.99	-16.32	17.10	23.56	223.85	.14
1100.00	1.17	260.09	1099.64	-17.58	-18.25	17.70	25.34	226.08	.29
1200.00	1.05	258.25	1199.62	-17.94	-20.16	18.08	26.99	228.33	.13
1300.00	.88	257.41	1299.61	-18.30	-21.80	18.44	28.46	230.00	.17
1400.00	.97	251.48	1399.59	-18.73	-23.36	18.89	29.94	231.27	.13
1500.00	.65	232.09	1499.58	-19.35	-24.61	19.52	31.30	231.82	.42
1600.00	.42	221.46	1599.58	-19.97	-25.30	20.14	32.23	231.71	.25
1700.00	.51	257.57	1699.58	-20.34	-25.97	20.52	32.99	231.93	.30
1800.00	.25	225.70	1799.57	-20.59	-26.56	20.77	33.61	232.22	.33
1900.00	.73	156.30	1899.57	-21.33	-26.46	21.51	33.99	231.13	.68
2000.00	1.15	121.91	1999.56	-22.44	-25.36	22.61	33.86	228.49	.69
2100.00	1.31	121.82	2099.54	-23.57	-23.53	23.73	33.31	224.95	.16
2200.00	1.77	110.68	2199.50	-24.72	-21.12	24.87	32.51	220.50	.55
2300.00	2.11	107.35	2299.44	-25.82	-17.91	25.94	31.42	214.76	.36
2400.00	2.12	106.11	2399.37	-26.88	-14.38	26.98	30.48	208.15	.05
2500.00	1.91	105.78	2499.31	-27.85	-11.00	27.92	29.94	201.56	.21
2600.00	1.66	100.59	2599.26	-28.56	-7.97	28.62	29.66	195.59	.30
2700.00	1.48	98.44	2699.23	-29.02	-5.27	29.06	29.50	190.29	.19
2800.00	1.44	94.97	2799.19	-29.32	-2.74	29.34	29.45	185.34	.10
2900.00	1.48	84.71	2899.16	-29.31	-.20	29.31	29.31	180.40	.26
3000.00	1.19	93.10	2999.13	-29.25	2.12	29.23	29.32	175.86	.35
3100.00	1.06	82.46	3099.11	-29.18	4.07	29.15	29.46	172.05	.25
3200.00	1.13	88.91	3199.10	-29.04	5.98	29.00	29.65	168.37	.14
3300.00	.82	89.94	3299.08	-29.02	7.68	28.97	30.02	165.18	.31
3400.00	.58	79.72	3399.07	-28.93	8.89	28.87	30.26	162.92	.27
3500.00	.49	68.96	3499.07	-28.69	9.79	28.62	30.31	161.16	.13
3600.00	.43	81.74	3599.07	-28.48	10.56	28.41	30.37	159.66	.12
3700.00	.36	97.59	3699.06	-28.47	11.24	28.39	30.61	158.45	.13
3800.00	.28	32.85	3799.06	-28.30	11.68	28.22	30.62	157.57	.35

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
3900.00	.18	101.43	3899.06	-28.13	11.97	28.05	30.57	156.95	.27
4000.00	.37	96.33	3999.06	-28.19	12.45	28.11	30.82	156.18	.19
4100.00	.40	57.84	4099.06	-28.04	13.06	27.96	30.94	155.03	.26
4200.00	.41	103.77	4199.06	-27.94	13.71	27.85	31.12	153.87	.32
4300.00	.42	61.69	4299.05	-27.86	14.38	27.76	31.35	152.70	.30
4400.00	.56	107.16	4399.05	-27.83	15.17	27.72	31.69	151.41	.40
4500.00	.27	78.16	4499.05	-27.92	15.86	27.81	32.11	150.40	.35
4600.00	.42	128.97	4599.05	-28.10	16.38	27.99	32.53	149.77	.33
4700.00	.31	139.15	4699.04	-28.54	16.84	28.42	33.14	149.46	.13
4800.00	.25	82.57	4799.04	-28.72	17.23	28.60	33.49	149.03	.27
4900.00	.52	146.68	4899.04	-29.07	17.70	28.95	34.03	148.66	.47
5000.00	.16	105.59	4999.04	-29.48	18.08	29.36	34.59	148.48	.41
5100.00	.47	126.35	5099.04	-29.76	18.55	29.64	35.07	148.07	.33
5200.00	.43	124.36	5199.04	-30.22	19.19	30.09	35.80	147.59	.04
5300.00	.40	157.10	5299.03	-30.75	19.63	30.62	36.48	147.44	.24
5400.00	.30	134.07	5399.03	-31.26	19.96	31.12	37.08	147.44	.17
5500.00	.25	121.20	5499.03	-31.55	20.33	31.41	37.53	147.20	.08
5600.00	.27	128.68	5599.03	-31.81	20.70	31.67	37.95	146.94	.04
5700.00	.37	204.13	5699.03	-32.25	20.75	32.11	38.35	147.24	.40
5800.00	.40	218.30	5799.03	-32.82	20.41	32.68	38.65	148.13	.10
5900.00	.40	207.87	5899.02	-33.40	20.03	33.27	38.95	149.06	.07
6000.00	.69	187.93	5999.02	-34.31	19.78	34.17	39.60	150.03	.34
6100.00	.61	191.98	6099.01	-35.43	19.59	35.29	40.48	151.06	.09
6200.00	.81	196.12	6199.00	-36.63	19.28	36.49	41.39	152.24	.21
6300.00	.84	169.37	6298.99	-38.03	19.22	37.89	42.61	153.19	.38
6400.00	.63	106.85	6398.99	-38.90	19.88	38.77	43.69	152.93	.78
6500.00	.49	112.48	6498.98	-39.23	20.80	39.09	44.40	152.06	.15
6600.00	.10	1.76	6598.98	-39.30	21.20	39.16	44.66	151.66	.53
6700.00	.17	152.58	6698.98	-39.35	21.27	39.20	44.73	151.61	.26

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6800.00	.33	14.29	6798.98	-39.20	21.41	39.05	44.67	151.36	.47
6900.00	.52	31.03	6898.98	-38.53	21.72	38.38	44.23	150.60	.23
7000.00	.98	48.02	6998.97	-37.57	22.58	37.42	43.84	148.99	.51
7100.00	.66	64.77	7098.96	-36.75	23.74	36.59	43.76	147.14	.40
7200.00	1.13	79.82	7198.95	-36.34	25.23	36.16	44.24	145.22	.52
7300.00	1.71	77.03	7298.92	-35.83	27.66	35.64	45.26	142.33	.58
7400.00	.97	104.95	7398.89	-35.71	29.93	35.50	46.59	140.03	.97
7500.00	1.07	132.88	7498.87	-36.56	31.43	36.35	48.22	139.32	.50
7600.00	1.80	180.08	7598.84	-38.77	32.11	38.55	50.34	140.36	1.33
Last Survey Depth Recorded									
7643.00	2.38	186.90	7641.82	-40.33	32.01	40.11	51.49	141.57	1.47

Mewbourne Oil Company

EDDY COUNTY, NM (NAD27)

SECTION 2

Salt Draw 2 CN Fee #1H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

26 August, 2013

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salt Draw 2 CN Fee #1H
Project:	EDDY COUNTY, NM (NAD27)	TVD Reference:	WELL @ 2988.0usft (Patterson 45)
Site:	SECTION 2	MD Reference:	WELL @ 2988.0usft (Patterson 45)
Well:	Salt Draw 2 CN Fee #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project:	EDDY COUNTY, NM (NAD27), NM-EAST		
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:	SECTION 2
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Site Position:		Northing:	616,768.78 usft	Latitude:	32° 41' 43.017 N
From:	Map	Easting:	586,241.32 usft	Longitude:	104° 3' 10.783 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well:	Salt Draw 2 CN Fee #1H				
Well Position	+N/-S	0.0 usft	Northing:	424,208.19 usft	Latitude: 32° 9' 57.484 N
	+E/-W	0.0 usft	Easting:	584,894.50 usft	Longitude: 104° 3' 32.330 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level: 2,968.0 usft

Wellbore:	Wellbore #1
------------------	-------------

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/15/2013	7.55	60.00	48,323

Design:	Wellbore #1
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Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.39

Survey Program		Date	8/26/2013	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,643.0	MS Gyro #1 (Wellbore #1)	SRG-GYRO-MS	surface readout gyro multishot
7,690.0	12,807.0	Survey #2 (Wellbore #1)	MWD	MWD - Standard

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.31	205.02	100.0	-0.2	-0.1	0.2	0.31	0.31	0.00
200.0	0.93	213.65	200.0	-1.2	-0.7	1.2	0.63	0.62	8.63
300.0	1.52	225.05	300.0	-2.8	-2.1	2.8	0.64	0.59	11.40
400.0	2.15	218.12	399.9	-5.2	-4.2	5.2	0.67	0.63	-6.93
500.0	2.17	217.95	499.8	-8.2	-6.5	8.2	0.02	0.02	-0.17
600.0	1.81	225.97	599.8	-10.8	-8.8	10.8	0.45	-0.36	8.02
700.0	1.71	223.15	699.7	-12.9	-10.9	13.0	0.13	-0.10	-2.82
800.0	1.40	227.69	799.7	-14.8	-12.9	14.9	0.33	-0.31	4.54
900.0	1.07	240.80	899.7	-16.1	-14.6	16.2	0.43	-0.33	13.11

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salt Draw 2 CN Fee #1H
Project:	EDDY COUNTY, NM (NAD27)	TVD Reference:	WELL @ 2988.0usft (Patterson 45)
Site:	SECTION 2	MD Reference:	WELL @ 2988.0usft (Patterson 45)
Well:	Salt Draw 2 CN Fee #1H	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	1.16	246.00	999.7	-17.0	-16.3	17.1	0.14	0.09	5.20
1,100.0	1.17	260.09	1,099.6	-17.6	-18.3	17.7	0.29	0.01	14.09
1,200.0	1.05	258.25	1,199.6	-17.9	-20.2	18.1	0.13	-0.12	-1.84
1,300.0	0.88	257.41	1,299.6	-18.3	-21.8	18.4	0.17	-0.17	-0.84
1,400.0	0.97	251.48	1,399.6	-18.7	-23.4	18.9	0.13	0.09	-5.93
1,500.0	0.65	232.09	1,499.6	-19.3	-24.6	19.5	0.42	-0.32	-19.39
1,600.0	0.42	221.46	1,599.6	-20.0	-25.3	20.1	0.25	-0.23	-10.63
1,700.0	0.51	257.57	1,699.6	-20.3	-26.0	20.5	0.30	0.09	36.11
1,800.0	0.25	225.70	1,799.6	-20.6	-26.6	20.8	0.33	-0.26	-31.87
1,900.0	0.73	156.30	1,899.6	-21.3	-26.5	21.5	0.68	0.48	-69.40
2,000.0	1.15	121.91	1,999.6	-22.4	-25.4	22.6	0.69	0.42	-34.39
2,100.0	1.31	121.82	2,099.5	-23.6	-23.5	23.7	0.16	0.16	-0.09
2,200.0	1.77	110.68	2,199.5	-24.7	-21.1	24.9	0.55	0.46	-11.14
2,300.0	2.11	107.35	2,299.4	-25.8	-17.9	25.9	0.36	0.34	-3.33
2,400.0	2.12	106.11	2,399.4	-26.9	-14.4	27.0	0.05	0.01	-1.24
2,500.0	1.91	105.78	2,499.3	-27.8	-11.0	27.9	0.21	-0.21	-0.33
2,600.0	1.66	100.59	2,599.3	-28.6	-8.0	28.6	0.30	-0.25	-5.19
2,700.0	1.48	98.44	2,699.2	-29.0	-5.3	29.1	0.19	-0.18	-2.15
2,800.0	1.44	94.97	2,799.2	-29.3	-2.7	29.3	0.10	-0.04	-3.47
2,900.0	1.48	84.71	2,899.2	-29.3	-0.2	29.3	0.26	0.04	-10.26
3,000.0	1.19	93.10	2,999.1	-29.2	2.1	29.2	0.35	-0.29	8.39
3,100.0	1.06	82.46	3,099.1	-29.2	4.1	29.2	0.25	-0.13	-10.64
3,200.0	1.13	88.91	3,199.1	-29.0	6.0	29.0	0.14	0.07	6.45
3,300.0	0.82	89.94	3,299.1	-29.0	7.7	29.0	0.31	-0.31	1.03
3,400.0	0.58	79.72	3,399.1	-28.9	8.9	28.9	0.27	-0.24	-10.22
3,500.0	0.49	68.96	3,499.1	-28.7	9.8	28.6	0.13	-0.09	-10.76
3,600.0	0.43	81.74	3,599.1	-28.5	10.6	28.4	0.12	-0.06	12.78
3,700.0	0.36	97.59	3,699.1	-28.5	11.2	28.4	0.13	-0.07	15.85
3,800.0	0.28	32.85	3,799.1	-28.3	11.7	28.2	0.35	-0.08	-64.74
3,900.0	0.18	101.43	3,899.1	-28.1	12.0	28.0	0.27	-0.10	68.58
4,000.0	0.37	96.33	3,999.1	-28.2	12.4	28.1	0.19	0.19	-5.10
4,100.0	0.40	57.84	4,099.1	-28.0	13.1	28.0	0.26	0.03	-38.49
4,200.0	0.41	103.77	4,199.1	-27.9	13.7	27.9	0.32	0.01	45.93
4,300.0	0.42	61.69	4,299.1	-27.9	14.4	27.8	0.30	0.01	-42.08
4,400.0	0.56	107.16	4,399.1	-27.8	15.2	27.7	0.40	0.14	45.47
4,500.0	0.27	78.16	4,499.0	-27.9	15.9	27.8	0.35	-0.29	-29.00
4,600.0	0.42	128.97	4,599.0	-28.1	16.4	28.0	0.33	0.15	50.81
4,700.0	0.31	139.15	4,699.0	-28.5	16.8	28.4	0.13	-0.11	10.18
4,800.0	0.25	82.57	4,799.0	-28.7	17.2	28.6	0.27	-0.06	-56.58
4,900.0	0.52	146.68	4,899.0	-29.1	17.7	28.9	0.47	0.27	64.11
5,000.0	0.16	105.59	4,999.0	-29.5	18.1	29.4	0.41	-0.36	-41.09
5,100.0	0.47	126.35	5,099.0	-29.8	18.5	29.6	0.33	0.31	20.76
5,200.0	0.43	124.36	5,199.0	-30.2	19.2	30.1	0.04	-0.04	-1.99

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salt Draw 2 CN Fee #1H
Project:	EDDY COUNTY, NM (NAD27)	TVD Reference:	WELL @ 2988.0usft (Patterson 45)
Site:	SECTION 2	MD Reference:	WELL @ 2988.0usft (Patterson 45)
Well:	Salt Draw 2 CN Fee #1H	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	0.40	157.10	5,299.0	-30.8	19.6	30.6	0.24	-0.03	32.74	
5,400.0	0.30	134.07	5,399.0	-31.3	20.0	31.1	0.17	-0.10	-23.03	
5,500.0	0.25	121.20	5,499.0	-31.6	20.3	31.4	0.08	-0.05	-12.87	
5,600.0	0.27	128.68	5,599.0	-31.8	20.7	31.7	0.04	0.02	7.48	
5,700.0	0.37	204.13	5,699.0	-32.3	20.8	32.1	0.40	0.10	75.45	
5,800.0	0.40	218.30	5,799.0	-32.8	20.4	32.7	0.10	0.03	14.17	
5,900.0	0.40	207.87	5,899.0	-33.4	20.0	33.3	0.07	0.00	-10.43	
6,000.0	0.69	187.93	5,999.0	-34.3	19.8	34.2	0.34	0.29	-19.94	
6,100.0	0.61	191.98	6,099.0	-35.4	19.6	35.3	0.09	-0.08	4.05	
6,200.0	0.81	196.12	6,199.0	-36.6	19.3	36.5	0.21	0.20	4.14	
6,300.0	0.84	169.37	6,299.0	-38.0	19.2	37.9	0.38	0.03	-26.75	
6,400.0	0.63	106.85	6,399.0	-38.9	19.9	38.8	0.78	-0.21	-62.52	
6,500.0	0.49	112.48	6,499.0	-39.2	20.8	39.1	0.15	-0.14	5.63	
6,600.0	0.10	1.76	6,599.0	-39.3	21.2	39.2	0.53	-0.39	-110.72	
6,700.0	0.17	152.58	6,699.0	-39.3	21.3	39.2	0.26	0.07	150.82	
6,800.0	0.33	14.29	6,799.0	-39.2	21.4	39.1	0.47	0.16	-138.29	
6,900.0	0.52	31.03	6,899.0	-38.5	21.7	38.4	0.23	0.19	16.74	
7,000.0	0.98	48.02	6,999.0	-37.6	22.6	37.4	0.51	0.46	16.99	
7,100.0	0.66	64.77	7,099.0	-36.8	23.7	36.6	0.40	-0.32	16.75	
7,200.0	1.13	79.82	7,198.9	-36.3	25.2	36.2	0.52	0.47	15.05	
7,300.0	1.71	77.03	7,298.9	-35.8	27.7	35.6	0.58	0.58	-2.79	
7,400.0	0.97	104.95	7,398.9	-35.7	29.9	35.5	0.97	-0.74	27.92	
7,500.0	1.07	132.88	7,498.9	-36.6	31.4	36.4	0.50	0.10	27.93	
7,600.0	1.80	180.08	7,598.8	-38.8	32.1	38.6	1.33	0.73	47.20	
7,643.0	2.38	186.90	7,641.8	-40.3	32.0	40.1	1.47	1.35	15.86	
7,690.0	2.50	180.10	7,688.8	-42.3	31.9	42.1	0.67	0.26	-14.47	
7,722.0	3.30	179.90	7,720.7	-43.9	31.9	43.7	2.50	2.50	-0.63	
7,754.0	7.60	179.80	7,752.6	-47.0	31.9	46.8	13.44	13.44	-0.31	
7,785.0	12.60	181.30	7,783.1	-52.4	31.8	52.2	16.15	16.13	4.84	
7,817.0	14.70	185.80	7,814.2	-59.9	31.3	59.7	7.35	6.56	14.06	
7,849.0	16.30	184.70	7,845.0	-68.5	30.6	68.3	5.08	5.00	-3.44	
7,881.0	18.60	183.60	7,875.5	-78.0	29.9	77.8	7.26	7.19	-3.44	
7,912.0	20.40	183.70	7,904.8	-88.4	29.2	88.2	5.81	5.81	0.32	
7,944.0	22.50	182.60	7,934.5	-100.0	28.6	99.8	6.68	6.56	-3.44	
7,976.0	25.10	182.10	7,963.8	-112.9	28.0	112.8	8.15	8.13	-1.56	
8,008.0	26.90	181.90	7,992.6	-127.0	27.6	126.8	5.63	5.63	-0.63	
8,039.0	28.20	181.20	8,020.1	-141.3	27.2	141.1	4.32	4.19	-2.26	
8,071.0	31.00	180.10	8,047.9	-157.1	27.0	156.9	8.91	8.75	-3.44	
8,103.0	34.30	179.20	8,074.8	-174.4	27.1	174.2	10.42	10.31	-2.81	
8,134.0	37.30	178.80	8,100.0	-192.5	27.4	192.3	9.71	9.68	-1.29	
8,166.0	40.30	179.40	8,124.9	-212.5	27.7	212.3	9.45	9.38	1.88	
8,198.0	43.80	179.40	8,148.7	-234.0	28.0	233.8	10.94	10.94	0.00	
8,229.0	46.90	180.50	8,170.4	-256.0	28.0	255.8	10.31	10.00	3.55	

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salt Draw 2 CN Fee #1H
Project:	EDDY COUNTY, NM (NAD27)	TVD Reference:	WELL @ 2988.0usft (Patterson 45)
Site:	SECTION 2	MD Reference:	WELL @ 2988.0usft (Patterson 45)
Well:	Salt Draw 2 CN Fee #1H	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)	
8,261.0	49.40	181.20	8,191.8	-279.8	27.6	279.7	7.98	7.81	2.19	
8,293.0	53.50	180.90	8,211.7	-304.9	27.2	304.7	12.83	12.81	-0.94	
8,325.0	57.90	180.70	8,229.8	-331.3	26.8	331.1	13.76	13.75	-0.63	
8,356.0	61.50	181.00	8,245.4	-358.0	26.4	357.9	11.64	11.61	0.97	
8,388.0	64.80	180.70	8,259.9	-386.6	26.0	386.4	10.35	10.31	-0.94	
8,420.0	68.60	179.70	8,272.5	-416.0	25.9	415.8	12.22	11.88	-3.13	
8,451.0	70.60	179.70	8,283.3	-445.0	26.0	444.8	6.45	6.45	0.00	
8,483.0	74.00	179.60	8,293.0	-475.5	26.2	475.3	10.63	10.63	-0.31	
8,515.0	78.70	179.80	8,300.6	-506.6	26.4	506.4	14.70	14.69	0.63	
8,546.0	82.70	179.90	8,305.6	-537.2	26.5	537.0	12.91	12.90	0.32	
8,578.0	84.80	179.80	8,309.1	-569.0	26.5	568.8	6.57	6.56	-0.31	
8,610.0	87.80	179.80	8,311.1	-600.9	26.7	600.7	9.38	9.38	0.00	
8,680.0	91.10	180.20	8,311.8	-670.9	26.7	670.7	4.75	4.71	0.57	
8,711.0	91.20	179.80	8,311.2	-701.9	26.7	701.7	1.33	0.32	-1.29	
8,775.0	90.20	179.90	8,310.4	-765.9	26.8	765.7	1.57	-1.56	0.16	
8,838.0	90.10	180.20	8,310.2	-828.9	26.8	828.7	0.50	-0.16	0.48	
8,901.0	89.80	179.20	8,310.3	-891.9	27.1	891.7	1.66	-0.48	-1.59	
8,964.0	89.70	179.10	8,310.6	-954.9	28.0	954.7	0.22	-0.16	-0.16	
9,028.0	89.20	178.70	8,311.2	-1,018.9	29.3	1,018.6	1.00	-0.78	-0.63	
9,091.0	89.60	179.40	8,311.9	-1,081.9	30.3	1,081.6	1.28	0.63	1.11	
9,154.0	89.20	178.70	8,312.5	-1,144.8	31.3	1,144.6	1.28	-0.63	-1.11	
9,217.0	89.70	179.80	8,313.1	-1,207.8	32.2	1,207.6	1.92	0.79	1.75	
9,280.0	90.30	179.50	8,313.1	-1,270.8	32.6	1,270.6	1.06	0.95	-0.48	
9,343.0	90.20	179.80	8,312.8	-1,333.8	32.9	1,333.6	0.50	-0.16	0.48	
9,407.0	90.00	180.00	8,312.7	-1,397.8	33.1	1,397.6	0.44	-0.31	0.31	
9,470.0	90.40	181.20	8,312.5	-1,460.8	32.4	1,460.6	2.01	0.63	1.90	
9,533.0	90.30	181.10	8,312.1	-1,523.8	31.1	1,523.6	0.22	-0.16	-0.16	
9,597.0	90.10	180.10	8,311.9	-1,587.8	30.5	1,587.6	1.59	-0.31	-1.56	
9,659.0	90.50	181.90	8,311.6	-1,649.8	29.4	1,649.6	2.97	0.65	2.90	
9,723.0	90.30	181.00	8,311.1	-1,713.8	27.8	1,713.5	1.44	-0.31	-1.41	
9,786.0	90.80	181.60	8,310.5	-1,776.7	26.3	1,776.5	1.24	0.79	0.95	
9,849.0	90.80	181.30	8,309.6	-1,839.7	24.7	1,839.5	0.48	0.00	-0.48	
9,912.0	90.70	181.20	8,308.8	-1,902.7	23.4	1,902.5	0.22	-0.16	-0.16	
9,976.0	90.50	180.60	8,308.2	-1,966.7	22.4	1,966.5	0.99	-0.31	-0.94	
10,039.0	90.80	180.80	8,307.4	-2,029.7	21.6	2,029.5	0.57	0.48	0.32	
10,102.0	90.90	182.40	8,306.5	-2,092.6	19.8	2,092.5	2.54	0.16	2.54	
10,165.0	90.70	182.00	8,305.6	-2,155.6	17.4	2,155.4	0.71	-0.32	-0.63	
10,228.0	89.60	181.00	8,305.5	-2,218.6	15.8	2,218.4	2.36	-1.75	-1.59	
10,292.0	90.70	181.40	8,305.3	-2,282.6	14.4	2,282.4	1.83	1.72	0.63	
10,355.0	91.00	180.50	8,304.4	-2,345.5	13.4	2,345.4	1.51	0.48	-1.43	
10,418.0	91.30	180.90	8,303.1	-2,408.5	12.6	2,408.4	0.79	0.48	0.63	
10,482.0	89.70	178.30	8,302.5	-2,472.5	13.1	2,472.4	4.77	-2.50	-4.06	
10,545.0	90.40	179.10	8,302.5	-2,535.5	14.5	2,535.3	1.69	1.11	1.27	
10,608.0	89.80	181.10	8,302.4	-2,598.5	14.4	2,598.3	3.31	-0.95	3.17	

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salt Draw 2 CN Fee #1H
Project:	EDDY COUNTY, NM (NAD27)	TVD Reference:	WELL @ 2988.0usft (Patterson 45)
Site:	SECTION 2	MD Reference:	WELL @ 2988.0usft (Patterson 45)
Well:	Salt Draw 2 CN Fee #1H	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)
10,671.0	89.80	181.20	8,302.6	-2,661.5	13.1	2,661.3	0.16	0.00	0.16
10,734.0	90.00	180.50	8,302.7	-2,724.5	12.2	2,724.3	1.16	0.32	-1.11
10,798.0	90.10	181.90	8,302.6	-2,788.5	10.8	2,788.3	2.19	0.16	2.19
10,861.0	89.10	181.40	8,303.1	-2,851.4	9.0	2,851.3	1.77	-1.59	-0.79
10,924.0	88.60	181.20	8,304.3	-2,914.4	7.6	2,914.3	0.85	-0.79	-0.32
10,987.0	92.50	183.20	8,303.7	-2,977.3	5.2	2,977.2	6.96	6.19	3.17
11,051.0	92.30	182.50	8,301.1	-3,041.2	2.0	3,041.1	1.14	-0.31	-1.09
11,114.0	90.50	182.20	8,299.5	-3,104.1	-0.6	3,104.1	2.90	-2.86	-0.48
11,178.0	90.80	181.60	8,298.8	-3,168.1	-2.7	3,168.0	1.05	0.47	-0.94
11,241.0	89.90	182.70	8,298.4	-3,231.0	-5.1	3,231.0	2.26	-1.43	1.75
11,305.0	90.10	182.00	8,298.4	-3,295.0	-7.7	3,295.0	1.14	0.31	-1.09
11,368.0	90.60	181.00	8,298.0	-3,358.0	-9.3	3,357.9	1.77	0.79	-1.59
11,431.0	89.90	181.60	8,297.8	-3,420.9	-10.8	3,420.9	1.46	-1.11	0.95
11,494.0	88.70	182.10	8,298.5	-3,483.9	-12.8	3,483.9	2.06	-1.90	0.79
11,557.0	88.70	182.00	8,300.0	-3,546.8	-15.1	3,546.9	0.16	0.00	-0.16
11,621.0	89.40	182.00	8,301.0	-3,610.8	-17.3	3,610.8	1.09	1.09	0.00
11,684.0	90.00	182.00	8,301.3	-3,673.8	-19.5	3,673.8	0.95	0.95	0.00
11,747.0	90.70	180.80	8,301.0	-3,736.7	-21.0	3,736.8	2.21	1.11	-1.90
11,810.0	90.50	180.40	8,300.3	-3,799.7	-21.7	3,799.8	0.71	-0.32	-0.63
11,874.0	90.50	179.50	8,299.7	-3,863.7	-21.6	3,863.8	1.41	0.00	-1.41
11,937.0	91.00	180.20	8,298.9	-3,926.7	-21.5	3,926.8	1.37	0.79	1.11
12,000.0	91.30	179.30	8,297.7	-3,989.7	-21.2	3,989.8	1.51	0.48	-1.43
12,063.0	90.10	180.50	8,296.9	-4,052.7	-21.1	4,052.7	2.69	-1.90	1.90
12,127.0	89.10	180.80	8,297.3	-4,116.7	-21.8	4,116.7	1.63	-1.56	0.47
12,190.0	89.40	180.90	8,298.2	-4,179.7	-22.7	4,179.7	0.50	0.48	0.16
12,253.0	89.10	180.70	8,299.0	-4,242.7	-23.6	4,242.7	0.57	-0.48	-0.32
12,317.0	91.80	181.70	8,298.5	-4,306.6	-25.0	4,306.7	4.50	4.22	1.56
12,380.0	91.80	180.10	8,296.5	-4,369.6	-26.0	4,369.7	2.54	0.00	-2.54
12,443.0	91.10	180.50	8,294.9	-4,432.6	-26.3	4,432.7	1.28	-1.11	0.63
12,506.0	91.30	181.20	8,293.6	-4,495.6	-27.2	4,495.6	1.16	0.32	1.11
12,570.0	91.80	179.60	8,291.9	-4,559.5	-27.7	4,559.6	2.62	0.78	-2.50
12,633.0	90.50	179.30	8,290.6	-4,622.5	-27.1	4,622.6	2.12	-2.06	-0.48
12,696.0	90.00	178.30	8,290.3	-4,685.5	-25.7	4,685.6	1.77	-0.79	-1.59
12,759.0	89.90	178.00	8,290.4	-4,748.5	-23.7	4,748.5	0.50	-0.16	-0.48
12,807.0	89.90	178.00	8,290.4	-4,796.4	-22.0	4,796.5	0.00	0.00	0.00

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,643.0	7,641.8	-40.3	32.0	7643' MD Gyro Survey
12,807.0	8,290.4	-4,796.4	-22.0	12807' MD Projected to Bit

Stryker Directional

Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salt Draw 2 CN Fee #1H
Project:	EDDY COUNTY, NM (NAD27)	TVD Reference:	WELL @ 2988.0usft (Patterson 45)
Site:	SECTION 2	MD Reference:	WELL @ 2988.0usft (Patterson 45)
Well:	Salt Draw.2 CN Fee #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db



COMPANY: Mewbourne Oil Company
 WELL: Salt Draw 2 CN Fee #1H
 COUNTY: EDDY COUNTY, NM (NAD27)
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 45

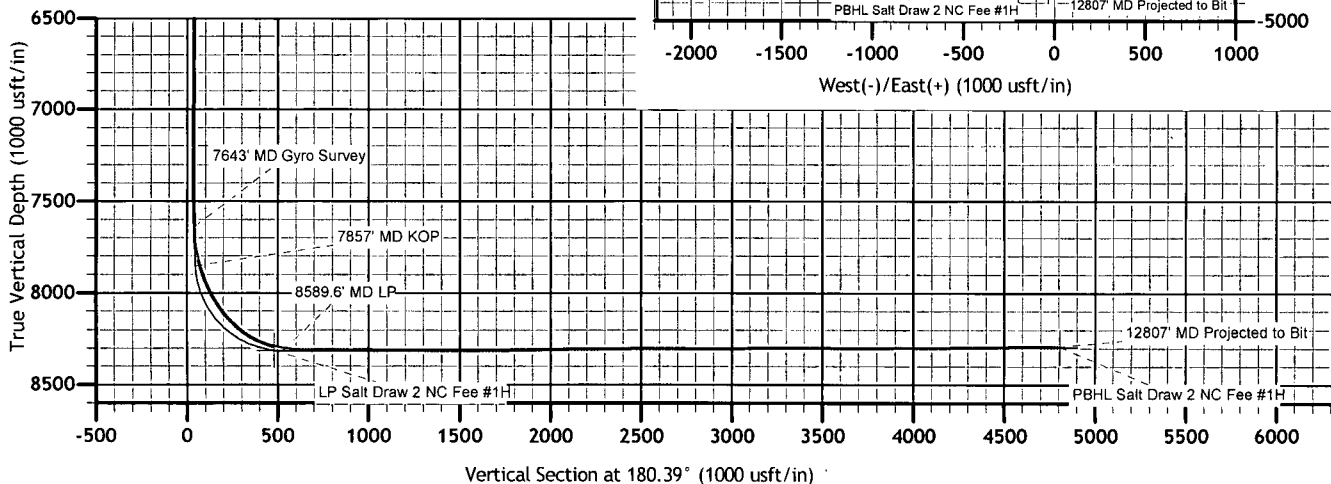
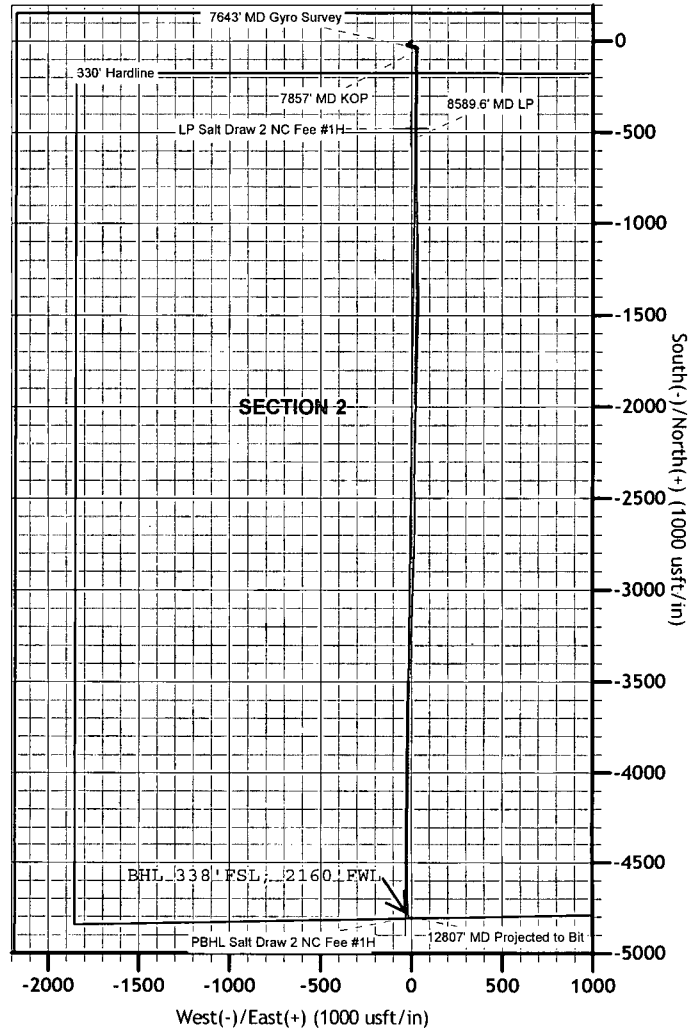
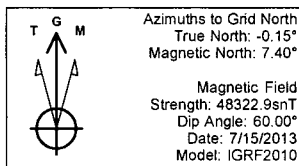


GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.40°

OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001					
WELL @ 2988.0usft (Patterson 45)					
GROUND ELEVATION: 2968.0					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	424208.19	584894.50	32° 9' 57.484 N	104° 3' 32.330 W

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	7643.0	2.38	186.90	7641.8	-40.3	32.0	0.00	0.00	40.1	
2	7857.0	2.38	186.90	7855.6	-49.2	30.9	0.00	0.00	48.9	
3	8589.6	90.27	180.74	8313.4	-528.4	22.7	12.00	-6.17	528.3	
4	12867.7	90.27	180.74	8293.0	-4806.1	-32.4	0.00	0.00	4806.3	PBHL Salt Draw 2 NC Fee #1H



Company Rep	Russell Berryman
Field	
BOT Service Rep	Hector R Magallanes
District Location	Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	8,660.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	8,413.71	12,410	10,680	
Bott Liner											
TVD		7,744.00		KOP		7,729.00		Open Hole	6.125	Casing Vol. (bbl)	321.9
Carry Fluid Weight (ppg)			8.6		Propant Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
Liner Top 1		JR Setting Sleeve_RH Profile	8413.71							

Zone Length		JR Setti Slv_S3 Hyd Set Packer	8413.71	9.52	5.813	3.875				
		4-1/2-13.5 LTC Nipple	8423.23	6.69	4.500	3.920				
20 211.5		8 Joints of 4-1/2-13.5 LTC Casing	8429.92	315.74	4.500	3.920				
		3.625 EX Frac Sleeve	8745.66	2.40	5.750		3.625	2286	324	327
		3 Joint of 4-1/2-13.5 LTC Casing	8748.06	119.51	4.500	3.920				
		Baker Open Hole Packer	8867.57	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	8871.46	77.66	4.500	3.920				
19 206.8		3.500 EX Frac Sleeve	8949.12	2.40	5.750		3.500	2286	302	330
		3 Joint of 4-1/2-13.5 LTC Casing	8951.52	118.91	4.500	3.920				
		Baker Open Hole Packer	9070.43	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9074.32	78.02	4.500	3.920				
		3.375 EX Frac Sleeve	9152.34	2.40	5.750		3.375	2286	281	333
18 207.4		3 Joint of 4-1/2-13.5 LTC Casing	9154.74	119.16	4.500	3.920				
		Baker Open Hole Packer	9273.90	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9277.79	81.25	4.500	3.920				
		3.250 EX Frac Sleeve	9359.04	2.40	5.750		3.250	2286	261	336
		2 Joint of 4-1/2-13.5 LTC Casing	9361.44	117.61	4.500	3.920				
17 209.4		Baker Open Hole Packer	9479.05	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	9482.94	120.28	4.500	3.920				
		3.125 EX Frac Sleeve	9603.22	2.40	5.750		3.125	2286	241	340
		3 Joints of 4-1/2-13.5 LTC Casing	9605.62	117.43	4.500	3.920				
		Baker Open Hole Packer	9723.05	3.89	5.820	3.875		2154		
16 247.8										

Operating Company Mewbourne
 Well Name & Number Salt Draw 2 CN Fee #1H
 Sales Ticket Number _____
 Date 8/24/2013

Company Rep Russell Berryman
 Field _____
 BOT Service Rep Hector R Magallanes
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	8,660.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	8,413.71	12,410	10,680	
Bott Liner											
TVD		7,744.00		KOP		7,729.00		Open Hole	6.125	Casing Vol. (bbl)	321.9
Carry Fluid Weight (ppg)			8.6		Propant Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
15 207.1		3 Joints of 4-1/2-13.5 LTC Casing	9726.94	77.47	4.500	3.920				
		3.000 EX Frac Sleeve	9804.41	2.40	5.750		3.000	2375	226	343
		3 Joint of 4-1/2-13.5 LTC Casing	9806.81	119.44	4.500	3.920				
		Baker Open Hole Packer	9926.25	3.89	5.820	3.875		2154		
14 204.8		2 Joints of 4-1/2-13.5 LTC Casing	9930.14	77.66	4.500	3.920				
		2.875 EX Frac Sleeve	10007.80	2.40	5.750		2.875	2286	204	346
		3 Joints of 4-1/2-13.5 LTC Casing	10010.20	116.94	4.500	3.920				
		Baker Open Hole Packer	10127.14	3.89	5.820	3.875		2154		
13 208.6		2 Joints of 4-1/2-13.5 LTC Casing	10131.03	79.78	4.500	3.920				
		2.750 EX Frac Sleeve	10210.81	2.40	5.750		2.750	2286	187	349
		3 Joint of 4-1/2-13.5 LTC Casing	10213.21	118.65	4.500	3.920				
		Baker Open Hole Packer	10331.86	3.89	5.820	3.875		2154		
12 205.1		2 Joints of 4-1/2-13.5 LTC Casing	10335.75	77.07	4.500	3.920				
		2.625 EX Frac Sleeve	10412.82	2.40	5.750		2.625	2286	170	352
		3 Joints of 4-1/2-13.5 LTC Casing	10415.22	117.86	4.500	3.920				
		Baker Open Hole Packer	10533.08	3.89	5.820	3.875		2154		
11 250		3 Joints of 4-1/2-13.5 LTC Casing	10536.97	120.61	4.500	3.920				
		2.500 EX Frac sleeve	10657.58	2.40	5.750		2.500	2286	154	355
		3 Joint of 4-1/2-13.5 LTC Casing	10659.98	119.20	4.500	3.920				
		Baker Open Hole Packer	10779.18	3.89	5.820	3.875		2154		
10 212.5		2 Joints of 4-1/2-13.5 LTC Casing	10783.07	81.11	4.500	3.920				
		2.375 EX Frac Sleeve	10864.18	2.40	5.750		2.375	2286	139	358
		3 Joints of 4-1/2-13.5 LTC Casing	10866.58	121.24	4.500	3.920				
		Baker Open Hole Packer	10987.82	3.89	5.820	3.875		2154		
9		3 Joint of 4-1/2-13.5 LTC Casing	10991.71	118.04	4.500	3.920				
		2.250 EX Frac Sleeve	11109.75	2.40	5.750		2.250	2286	125	362

Operating Company Mewbourne
 Well Name & Number Salt Draw 2 CN Fee #1H
 Sales Ticket Number _____
 Date 8/24/2013

Company Rep Russell Berryman
 Field _____
 BOT Service Rep Hector R Magallanes
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	8,660.00	9,960	6,230
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	8,413.71	12,410	10,680
Bott Liner										
TVD		7,744.00	KOP		7,729.00	Open Hole		6.125	Casing Vol. (bbl)	321.9
Carry Fluid Weight (ppg)		8.6	Propant Content (ppa)			Max Drill Out Size		0		

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
248.3		3 Joints of 4-1/2-13.5 LTC Casing	11112.15	120.06	4.500	3.920				
		Baker Open Hole Packer	11232.21	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	11236.10	116.26	4.500	3.920				
8		2.125 EX Frac Sleeve	11352.36	2.40	5.750		2.125	2286	111	366
243.7		3 Joints of 4-1/2-13.5 LTC Casing	11354.76	117.27	4.500	3.920				
		Baker Open Hole Packer	11472.03	3.89	5.820	3.875		2154		
		2 Joint of 4-1/2-13.5 LTC Casing	11475.92	80.13	4.500	3.920				
7		2.000 EX Frac Sleeve	11556.05	2.40	5.750		2.000	2286	99	369
210.9		3 Joints of 4-1/2-13.5 LTC Casing	11558.45	120.63	4.500	3.920				
		Baker Open Hole Packer	11679.08	3.89	5.820	3.875		2154		
		2 Joint of 4-1/2-13.5 LTC Casing	11682.97	78.82	4.500	3.920				
6		1.875 EX Frac Sleeve	11761.79	2.40	5.750		1.875	2286	87	372
208.6		3 Joints of 4-1/2-13.5 LTC Casing	11764.19	119.58	4.500	3.920				
		Baker Open Hole Packer	11883.77	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	11887.66	80.04	4.500	3.920				
5		1.750 EX Frac Sleeve	11967.70	2.40	5.750		1.750	2286	76	375
209.01		3 Joint of 4-1/2-13.5 LTC Casing	11970.10	118.79	4.500	3.920				
		Baker Open Hole Packer	12088.89	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12092.78	79.06	4.500	3.920				
4		1.625 EX Frac Sleeve	12171.84	2.40	5.750		1.625	2286	65	378
208.04		3 Joints of 4-1/2-13.5 LTC Casing	12174.24	118.80	4.500	3.920				
		Baker Open Hole Packer	12293.04	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12296.93	81.73	4.500	3.920				
3		1.500 DB EX Frac Sleeve	12378.66	2.40	5.750		1.500	2286	55	381
171.70		2 Joint of 4-1/2-13.5 LTC Casing	12381.06	79.79	4.500	3.920				
		Baker Open Hole Packer	12460.85	3.89	5.820	3.875		2154		

Company Rep	Russell Berryman
Field	
BOT Service Rep	Hector R Magallanes
District Location	Odessa, Texas, USA



Carry Fluid Weight (ppg)	8.6	Propan Content (ppa)		Max Drill Out Size	0
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