

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
BRADLEY 28 FED COM #2H
EDDY

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-39458

403	0.09
807	0.11
1,217	1.84
1,516	0.67
1,708	0.76
1,962	0.59
2,215	0.31
2,467	0.28
2,722	0.90
3,003	0.69
3,258	0.55
3,543	0.64
3,702	0.57
3,955	0.63
4,208	0.61
4,460	0.74
4,868	0.45
5,279	0.47
5,667	1.38
5,916	0.96
6,100	1.69
6,257	2.41
6,447	3.25
6,574	2.27
6,696	2.41
6,760	2.62
6,856	2.04
6,983	1.74
7,205	1.65
7,460	1.20

Received

MAR 12 2012

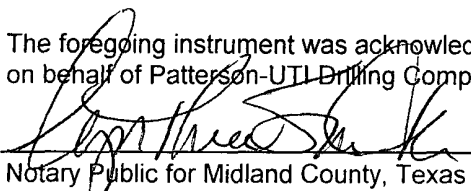
Mewbourne Oil Company
EDDY

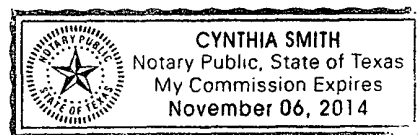
STATE OF TEXAS

COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on February 28, 2012 by Kyle Hollingsworth on behalf of Patterson-UTL Drilling Company LLC.


Notary Public for Midland County, Texas
My Commission Expires: November 6, 2014





Company: Mewbourne Oil & Gas
Lease/Well: Bradley "28" Fed Com /2H

Location: S28 T18S R30E

Rig Name: Patterson 47

State/County: New Mexico/Eddy

Latitude: 32.72

GRID North is 0.19 Degrees East of True North

VS-Azi: 0.00 Degrees



RKB: : 19 feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: bradley28fedcom#2h_ed.ut

Minimum Curvature Method

Report Date/Time: 2/9/2012 / 15:57

Vaughn Energy Services

Fort Worth, Texas

817-741-3610

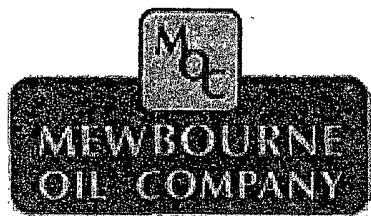
Surveyor: Ray Seago

Bradley "28" Fed Com 2H / API# 30-015-39458

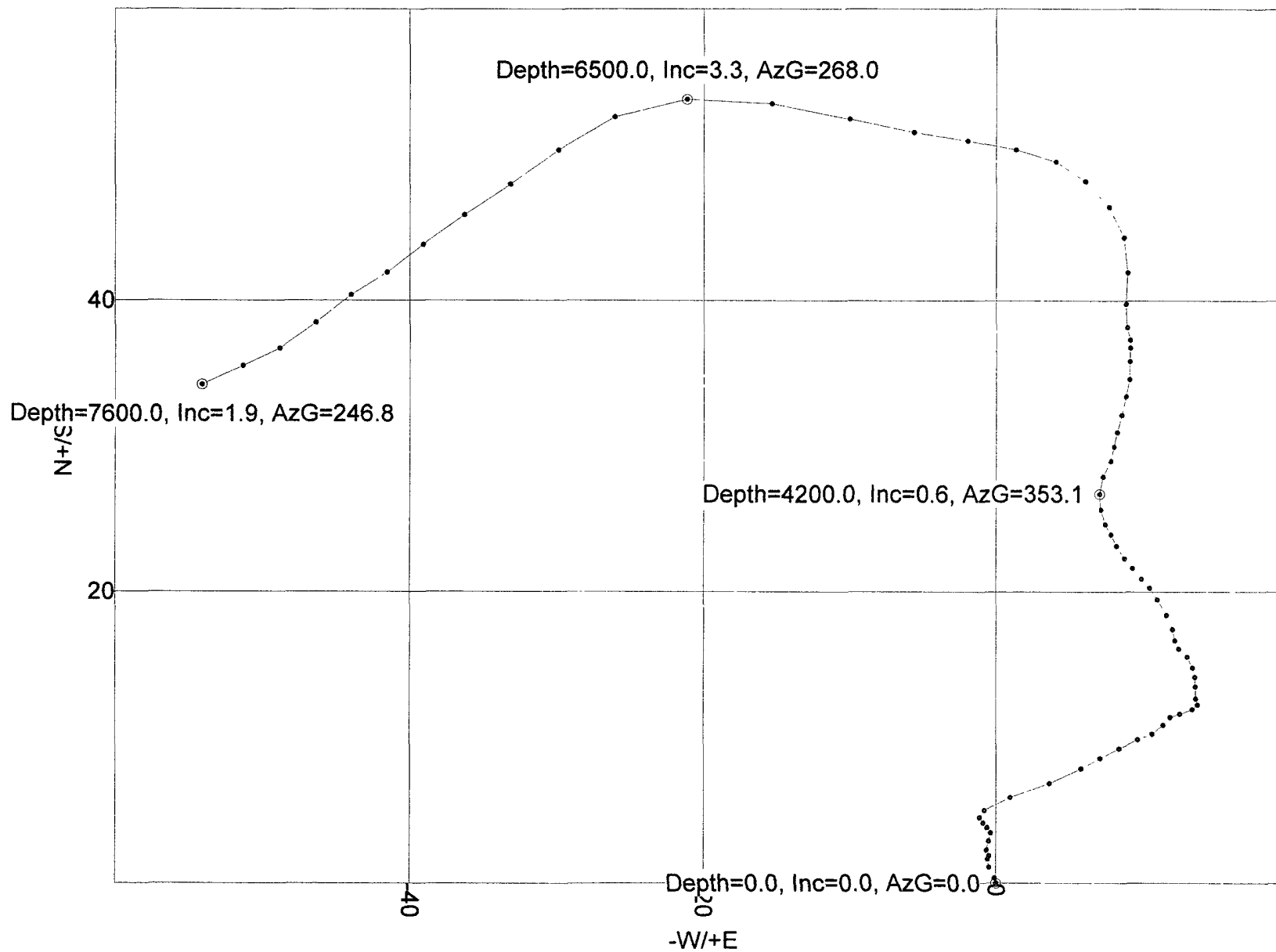
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.41	346.34	100.00	0.34	-0.08	0.34	0.35	346.34	0.41
200.00	0.57	322.40	200.00	1.08	-0.47	1.08	1.18	336.50	0.26
300.00	0.31	50.50	299.99	1.65	-0.57	1.65	1.74	340.97	0.64
400.00	0.13	296.55	399.99	1.87	-0.47	1.87	1.93	345.99	0.38
500.00	0.41	348.74	499.99	2.27	-0.64	2.27	2.36	344.24	0.34
600.00	0.38	38.81	599.99	2.87	-0.50	2.87	2.92	350.13	0.33
700.00	0.35	345.17	699.99	3.43	-0.37	3.43	3.45	353.84	0.33
800.00	0.19	291.87	799.99	3.79	-0.60	3.79	3.83	350.92	0.28
900.00	0.35	336.09	899.99	4.12	-0.88	4.12	4.22	347.90	0.25
1000.00	0.17	299.76	999.98	4.47	-1.13	4.47	4.61	345.78	0.23
1100.00	0.73	47.41	1099.98	4.97	-0.79	4.97	5.04	350.93	0.79
1200.00	1.57	70.97	1199.96	5.85	0.97	5.85	5.93	9.42	0.95
1300.00	1.73	69.93	1299.92	6.82	3.69	6.82	7.75	28.42	0.16
1400.00	1.01	57.00	1399.89	7.82	5.85	7.82	9.77	36.82	0.78
1500.00	0.66	67.40	1499.88	8.52	7.13	8.52	11.11	39.91	0.38
1600.00	1.00	59.24	1599.87	9.19	8.41	9.19	12.46	42.46	0.36
1700.00	0.65	70.65	1699.86	9.82	9.70	9.82	13.80	44.62	0.38
1800.00	0.55	66.90	1799.85	10.20	10.68	10.20	14.77	46.30	0.11

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.58	35.75	1899.85	10.80	11.42	10.80	15.72	46.59	0.31
2000.00	0.25	53.92	1999.85	11.34	11.89	11.34	16.43	46.35	0.35
2100.00	0.56	78.25	2099.84	11.57	12.54	11.57	17.06	47.30	0.34
2200.00	0.49	59.14	2199.84	11.89	13.38	11.89	17.90	48.39	0.18
2300.00	0.11	346.19	2299.84	12.20	13.73	12.20	18.37	48.38	0.47
2400.00	0.40	343.13	2399.84	12.63	13.61	12.63	18.57	47.14	0.29
2500.00	0.56	9.20	2499.83	13.45	13.59	13.45	19.12	45.29	0.27
2600.00	0.24	325.68	2599.83	14.11	13.54	14.11	19.56	43.83	0.42
2700.00	0.53	356.58	2699.83	14.75	13.40	14.75	19.92	42.26	0.35
2800.00	0.51	309.84	2799.83	15.50	13.03	15.50	20.25	40.05	0.42
2900.00	0.39	320.83	2899.82	16.05	12.46	16.05	20.32	37.83	0.15
3000.00	0.35	350.24	2999.82	16.62	12.20	16.62	20.61	36.27	0.19
3100.00	0.55	346.84	3099.82	17.39	12.03	17.39	21.15	34.69	0.20
3200.00	0.69	330.50	3199.81	18.38	11.63	18.38	21.75	32.31	0.23
3300.00	0.72	330.98	3299.80	19.46	11.03	19.46	22.36	29.54	0.02
3400.00	0.40	320.02	3399.80	20.27	10.50	20.27	22.83	27.39	0.33
3500.00	0.56	316.40	3499.80	20.88	9.94	20.88	23.13	25.46	0.16
3600.00	0.56	324.89	3599.79	21.63	9.33	21.63	23.56	23.33	0.08
3700.00	0.44	317.89	3699.79	22.31	8.80	22.31	23.98	21.52	0.13
3800.00	0.72	333.26	3799.78	23.16	8.26	23.16	24.58	19.63	0.33
3900.00	0.29	337.82	3899.78	23.95	7.88	23.95	25.21	18.21	0.44
4000.00	0.63	327.27	3999.77	24.65	7.49	24.65	25.76	16.90	0.35
4100.00	0.61	358.75	4099.77	25.64	7.18	25.64	26.63	15.64	0.34
4200.00	0.62	353.10	4199.76	26.70	7.10	26.70	27.63	14.89	0.06
4300.00	0.82	24.87	4299.76	27.89	7.34	27.89	28.84	14.74	0.44
4400.00	0.55	27.40	4399.75	28.96	7.86	28.96	30.01	15.18	0.27
4500.00	0.64	358.01	4499.74	29.94	8.06	29.94	31.00	15.06	0.31
4600.00	0.59	29.03	4599.74	30.94	8.29	30.94	32.03	14.99	0.33
4700.00	0.85	3.11	4699.73	32.14	8.58	32.14	33.26	14.94	0.41
4800.00	0.68	25.83	4799.72	33.41	8.87	33.41	34.57	14.88	0.35
4900.00	0.75	359.45	4899.71	34.59	9.13	34.59	35.78	14.78	0.33
5000.00	0.66	1.09	4999.71	35.82	9.13	35.82	36.97	14.30	0.09
5100.00	0.39	2.48	5099.70	36.74	9.16	36.74	37.87	13.99	0.27
5200.00	0.23	352.71	5199.70	37.28	9.15	37.28	38.39	13.78	0.17
5300.00	0.80	345.89	5299.70	38.15	8.95	38.15	39.19	13.20	0.57
5400.00	1.08	6.07	5399.68	39.77	8.88	39.77	40.74	12.59	0.43
5500.00	1.41	0.22	5499.66	41.94	8.99	41.94	42.89	12.09	0.35
5600.00	1.38	347.32	5599.63	44.34	8.73	44.34	45.19	11.13	0.31
5700.00	1.35	321.82	5699.60	46.44	7.73	46.44	47.08	9.45	0.60

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	1.37	313.84	5799.57	48.20	6.14	48.20	48.59	7.26	0.19
5900.00	1.45	293.72	5899.54	49.53	4.12	49.53	49.70	4.76	0.50
6000.00	1.85	280.82	5999.50	50.35	1.37	50.35	50.37	1.56	0.54
6100.00	2.01	280.06	6099.45	50.96	-1.94	50.96	50.99	357.81	0.16
6200.00	2.30	277.63	6199.37	51.53	-5.66	51.53	51.84	353.73	0.30
6300.00	2.87	284.52	6299.27	52.42	-10.08	52.42	53.38	349.12	0.65
6400.00	3.33	278.02	6399.13	53.46	-15.38	53.46	55.62	343.95	0.58
6500.00	3.33	268.00	6498.96	53.76	-21.15	53.76	57.77	338.52	0.58
6600.00	2.64	241.87	6598.83	52.57	-26.09	52.57	58.69	333.61	1.51
6700.00	2.47	236.85	6698.73	50.31	-29.92	50.31	58.54	329.25	0.28
6800.00	2.17	232.16	6798.65	47.97	-33.22	47.97	58.35	325.30	0.36
6900.00	2.13	239.45	6898.58	45.87	-36.32	45.87	58.50	321.63	0.28
7000.00	1.84	227.39	6998.52	43.83	-39.10	43.83	58.74	318.26	0.51
7100.00	1.74	236.64	7098.47	41.91	-41.55	41.91	59.02	315.24	0.31
7200.00	1.57	239.19	7198.43	40.37	-44.00	40.37	59.71	312.54	0.18
7300.00	1.96	225.17	7298.38	38.46	-46.39	38.46	60.26	309.66	0.58
7400.00	1.61	246.41	7398.33	36.70	-48.89	36.70	61.13	306.90	0.74
7500.00	1.56	242.40	7498.29	35.51	-51.38	35.51	62.46	304.64	0.12
7600.00	1.92	246.84	7598.25	34.21	-54.13	34.21	64.04	302.30	0.38



Vaughn Energy Services
Fort Worth, Texas
817-741-3610
Surveyor: Ray Seago
Bradley "28" Fed Com 2H / API# 30-015-39458



VES Survey Date: 01/30/2012

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 28 Fed Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3438.0usft (Patterson UTI #47)
Site:	Sec 28-18S-30E	MD Reference:	WELL @ 3438.0usft (Patterson UTI #47)
Well:	Bradley 28 Fed Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000 1 Single User Db

Project:	Eddy County, New Mexico		
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 28-18S-30E
Site Position:	Northing: 626,279.25 usft Latitude: 32° 43' 16.513 N
From: Map	Easting: 607,181.52 usft Longitude: 103° 59' 5.373 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 " Grid Convergence: 0.19 °

Well:	Bradley 28 Fed Com #2H
Well Position	+N/-S 0.0 usft Northing: 627,371.57 usft Latitude: 32° 43' 27.319 N
	+E/-W 0.0 usft Easting: 607,266.79 usft Longitude: 103° 59' 4.333 W
Position Uncertainty	0.0 usft Wellhead Elevation: usft Ground Level: 3,420.0 usft

Wellbore:	Wellbore #1
Magnetics	Model Name Sample Date Declination Dip Angle Field Strength
	IGRF2010 1/13/2012 (°) (°) (nT)
	7.74 60.56 48,814

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

Vertical Section:	Depth From (TVD) +N/-S +E/-W Direction
	(usft) (usft) (usft) (°)
	0.0 0.0 0.0 89.92

Survey Program:	Date 2/13/2012
From To	Survey (Wellbore) Tool Name Description
(usft) (usft)	
100.0 7,600.0	Gyro (Wellbore #1) Good_gyro Good Gyro
7,628.0 12,835.0	MWD (Wellbore #1) MWD default MWD - Standard

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)
Tie in @ 7600' MD / 7599' TVD									
7,600.0	1.92	246.84	7,598.2	34.3	-54.1	-54.1	0.00	0.00	0.00
7,628.0	2.10	239.40	7,626.2	33.8	-55.0	-55.0	1.13	0.64	-26.57
7,660.0	2.10	235.70	7,658.2	33.2	-56.0	-55.9	0.42	0.00	-11.56
7,692.0	1.70	179.30	7,690.2	32.4	-56.5	-56.4	5.72	-1.25	-176.25
7,724.0	3.70	128.30	7,722.2	31.3	-55.7	-55.6	9.20	6.25	-159.38
7,755.0	6.70	112.10	7,753.0	30.0	-53.2	-53.1	10.68	9.68	-52.26
7,787.0	9.90	108.10	7,784.7	28.4	-48.8	-48.8	10.16	10.00	-12.50
7,819.0	12.80	105.80	7,816.1	26.6	-42.8	-42.8	9.17	9.06	-7.19
7,851.0	15.20	100.50	7,847.1	24.8	-35.3	-35.2	8.50	7.50	-16.56

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 28 Fed Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3438.0usft (Patterson UTI #47)
Site:	Sec 28-18S-30E	MD Reference:	WELL @ 3438.0usft (Patterson UTI #47)
Well:	Bradley 28 Fed 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)
7,882.0	17.90	97.20	7,876.8	23.5	-26.6	-26.5	9.22	8.71	-10.65
7,913.0	21.10	95.30	7,906.0	22.4	-16.3	-16.2	10.52	10.32	-6.13
7,944.0	24.20	93.90	7,934.6	21.5	-4.4	-4.3	10.15	10.00	-4.52
7,976.0	27.30	91.40	7,963.5	20.8	9.5	9.5	10.26	9.69	-7.81
8,007.0	30.40	89.50	7,990.6	20.7	24.5	24.5	10.43	10.00	-6.13
8,037.0	34.30	88.40	8,016.0	21.0	40.5	40.5	13.15	13.00	-3.67
8,069.0	38.60	87.90	8,041.7	21.6	59.5	59.5	13.47	13.44	-1.56
8,100.0	42.90	87.50	8,065.2	22.5	79.7	79.8	13.90	13.87	-1.29
8,132.0	47.10	87.30	8,087.8	23.5	102.3	102.4	13.13	13.13	-0.63
8,163.0	51.50	86.80	8,108.0	24.7	125.8	125.8	14.25	14.19	-1.61
8,195.0	56.10	87.30	8,126.9	26.0	151.6	151.6	14.43	14.38	1.56
Crossed Hard Line @ 8227' MD / 8144' TVD									
8,227.0	60.30	88.60	8,143.8	27.0	178.7	178.8	13.57	13.13	4.06
8,259.0	65.00	89.10	8,158.5	27.6	207.1	207.2	14.75	14.69	1.56
8,291.0	69.70	89.10	8,170.8	28.0	236.7	236.7	14.69	14.69	0.00
8,322.0	74.30	88.90	8,180.4	28.5	266.1	266.2	14.85	14.84	-0.65
8,354.0	79.30	89.30	8,187.7	29.0	297.3	297.3	15.67	15.63	1.25
8,386.0	84.60	89.60	8,192.1	29.3	329.0	329.0	16.59	16.56	0.94
8,466.0	89.10	89.60	8,196.5	29.9	408.8	408.8	5.63	5.63	0.00
8,498.0	88.70	89.50	8,197.1	30.1	440.8	440.8	1.29	-1.25	-0.31
8,530.0	88.60	89.50	8,197.9	30.4	472.8	472.8	0.31	-0.31	0.00
8,562.0	90.10	88.90	8,198.3	30.9	504.8	504.8	5.05	4.69	-1.88
8,625.0	90.30	90.30	8,198.0	31.3	567.8	567.8	2.24	0.32	2.22
8,689.0	90.40	90.30	8,197.7	31.0	631.8	631.8	0.16	0.16	0.00
8,752.0	89.30	90.70	8,197.8	30.4	694.8	694.8	1.86	-1.75	0.63
8,816.0	88.90	90.90	8,198.8	29.5	758.8	758.8	0.70	-0.63	0.31
8,879.0	89.30	90.50	8,199.8	28.8	821.7	821.8	0.90	0.63	-0.63
8,943.0	89.30	90.00	8,200.6	28.5	885.7	885.8	0.78	0.00	-0.78
9,007.0	88.60	91.20	8,201.8	27.8	949.7	949.8	2.17	-1.09	1.88
9,070.0	88.60	90.90	8,203.3	26.6	1,012.7	1,012.7	0.48	0.00	-0.48
9,133.0	90.20	90.70	8,204.0	25.8	1,075.7	1,075.7	2.56	2.54	-0.32
9,197.0	90.70	91.10	8,203.5	24.8	1,139.7	1,139.7	1.00	0.78	0.63
9,261.0	89.70	90.50	8,203.2	23.9	1,203.7	1,203.7	1.82	-1.56	-0.94
9,325.0	88.30	90.00	8,204.4	23.6	1,267.7	1,267.7	2.32	-2.19	-0.78
9,388.0	89.00	90.20	8,205.8	23.5	1,330.6	1,330.7	1.16	1.11	0.32
9,452.0	89.30	90.20	8,206.8	23.3	1,394.6	1,394.7	0.47	0.47	0.00
9,516.0	89.40	90.30	8,207.5	23.0	1,458.6	1,458.7	0.22	0.16	0.16
9,579.0	90.00	90.70	8,207.8	22.4	1,521.6	1,521.7	1.14	0.95	0.63
9,643.0	88.60	90.70	8,208.6	21.6	1,585.6	1,585.6	2.19	-2.19	0.00
9,706.0	88.50	90.50	8,210.2	21.0	1,648.6	1,648.6	0.35	-0.16	-0.32
9,769.0	89.30	90.70	8,211.4	20.3	1,711.6	1,711.6	1.31	1.27	0.32
9,833.0	89.70	91.40	8,212.0	19.2	1,775.6	1,775.6	1.26	0.63	1.09
9,896.0	90.10	91.10	8,212.1	17.8	1,838.5	1,838.6	0.79	0.63	-0.48

DDC Survey Report



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Well:	Bradley 28 Fed 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)
9,960.0	89.20	91.40	8,212.5	16.4	1,902.5	1,902.5	1.48	-1.41	0.47
10,023.0	89.30	91.20	8,213.3	15.0	1,965.5	1,965.5	0.35	0.16	-0.32
10,086.0	89.20	91.10	8,214.1	13.7	2,028.5	2,028.5	0.22	-0.16	-0.16
10,149.0	89.60	90.20	8,214.8	13.0	2,091.5	2,091.5	1.56	0.63	-1.43
10,213.0	90.00	89.80	8,215.0	13.0	2,155.5	2,155.5	0.88	0.63	-0.63
10,277.0	89.30	89.80	8,215.4	13.2	2,219.5	2,219.5	1.09	-1.09	0.00
10,341.0	88.90	89.10	8,216.4	13.8	2,283.5	2,283.5	1.26	-0.63	-1.09
10,405.0	89.20	89.30	8,217.5	14.7	2,347.4	2,347.5	0.56	0.47	0.31
10,468.0	89.80	90.70	8,218.0	14.7	2,410.4	2,410.5	2.42	0.95	2.22
10,532.0	90.00	90.30	8,218.1	14.1	2,474.4	2,474.5	0.70	0.31	-0.63
10,595.0	89.30	90.00	8,218.5	14.0	2,537.4	2,537.5	1.21	-1.11	-0.48
10,659.0	89.30	89.10	8,219.3	14.5	2,601.4	2,601.5	1.41	0.00	-1.41
10,723.0	89.50	90.50	8,220.0	14.7	2,665.4	2,665.4	2.21	0.31	2.19
10,786.0	89.20	91.40	8,220.7	13.7	2,728.4	2,728.4	1.51	-0.48	1.43
10,850.0	89.10	91.60	8,221.6	12.0	2,792.4	2,792.4	0.35	-0.16	0.31
10,913.0	89.90	90.70	8,222.2	10.7	2,855.4	2,855.4	1.91	1.27	-1.43
10,977.0	89.90	90.20	8,222.3	10.2	2,919.4	2,919.4	0.78	0.00	-0.78
11,040.0	90.00	90.30	8,222.4	9.9	2,982.4	2,982.4	0.22	0.16	0.16
11,103.0	88.80	90.90	8,223.0	9.3	3,045.4	3,045.4	2.13	-1.90	0.95
11,167.0	88.60	90.00	8,224.5	8.8	3,109.3	3,109.3	1.44	-0.31	-1.41
11,230.0	88.60	88.60	8,226.0	9.6	3,172.3	3,172.3	2.22	0.00	-2.22
11,294.0	88.60	89.30	8,227.6	10.7	3,236.3	3,236.3	1.09	0.00	1.09
11,357.0	89.10	89.10	8,228.8	11.6	3,299.3	3,299.3	0.85	0.79	-0.32
11,421.0	90.00	89.60	8,229.3	12.3	3,363.3	3,363.3	1.61	1.41	0.78
11,485.0	90.60	89.60	8,229.0	12.8	3,427.3	3,427.3	0.94	0.94	0.00
11,549.0	90.00	90.20	8,228.7	12.9	3,491.3	3,491.3	1.33	-0.94	0.94
11,612.0	89.20	91.60	8,229.1	11.9	3,554.2	3,554.3	2.56	-1.27	2.22
11,676.0	89.10	90.90	8,230.1	10.5	3,618.2	3,618.2	1.10	-0.16	-1.09
11,740.0	89.80	89.80	8,230.7	10.1	3,682.2	3,682.2	2.04	1.09	-1.72
11,803.0	89.30	89.10	8,231.2	10.7	3,745.2	3,745.2	1.37	-0.79	-1.11
11,867.0	89.10	89.10	8,232.1	11.7	3,809.2	3,809.2	0.31	-0.31	0.00
11,930.0	89.60	89.60	8,232.8	12.4	3,872.2	3,872.2	1.12	0.79	0.79
11,994.0	89.90	90.00	8,233.1	12.7	3,936.2	3,936.2	0.78	0.47	0.63
12,057.0	89.00	89.60	8,233.7	12.9	3,999.2	3,999.2	1.56	-1.43	-0.63
12,120.0	89.10	89.80	8,234.7	13.2	4,062.2	4,062.2	0.35	0.16	0.32
12,184.0	89.60	89.50	8,235.4	13.6	4,126.2	4,126.2	0.91	0.78	-0.47
12,248.0	89.50	88.90	8,235.9	14.5	4,190.2	4,190.2	0.95	-0.16	-0.94
12,312.0	88.90	89.80	8,236.8	15.2	4,254.1	4,254.2	1.69	-0.94	1.41
12,374.0	89.00	90.90	8,238.0	14.8	4,316.1	4,316.1	1.78	0.16	1.77
12,439.0	89.20	90.00	8,239.0	14.3	4,381.1	4,381.1	1.42	0.31	-1.38
12,502.0	89.60	89.80	8,239.6	14.4	4,444.1	4,444.1	0.71	0.63	-0.32
12,565.0	89.70	90.50	8,240.0	14.3	4,507.1	4,507.1	1.12	0.16	1.11
12,629.0	89.10	91.60	8,240.7	13.1	4,571.1	4,571.1	1.96	-0.94	1.72
12,692.0	89.30	91.40	8,241.6	11.5	4,634.1	4,634.1	0.45	0.32	-0.32

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Bradley 28 Fed Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3438.0usft (Patterson UTI #47)
Site:	Sec 28-18S-30E	MD Reference:	WELL @ 3438.0usft (Patterson UTI #47)
Well:	Bradley 28 Fed Com #2H	North Reference:	Grd
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)
12,756.0	90.00	91.80	8,242.0	9.7	4,698.0	4,698.1	1.26	1.09	0.63
12,788.0	90.00	91.60	8,242.0	8.7	4,730.0	4,730.0	0.63	0.00	-0.63
TD @ 12835' MD / 8242' TVD									
12,835.0	90.00	91.60	8,242.0	7.4	4,777.0	4,777.0	0.00	0.00	0.00

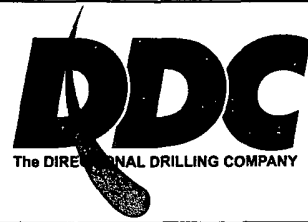
Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,600.0	7,598.2	34.3	-54.1	Tie in @ 7600' MD / 7599' TVD
8,227.0	8,143.8	27.0	178.7	Crossed Hard Line @ 8227' MD / 8144' TVD
12,835.0	8,242.0	7.4	4,777.0	TD @ 12835' MD / 8242' TVD

Checked By: _____	Approved By: _____	Date: _____
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Bradley 28 Fed Com #2H
Eddy County, New Mexico
Quote 110480 & WT-12031

Company Name: Mewbourne Oil Co
Bradley 28 Fed Com #2H
Eddy County, New Mexico
Rig: Patterson UTI #47
Created By: Dina Chance
Date: 2/13/2012



Azimuths to Grid North

Magnetic North: 7.55°

Magnetic Field
Strength: 48813.9snT
Dip Angle: 60.56°
Date: 1/13/2012
Model: IGRF2010

PROJECT DETAILS: Eddy County, 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

DESIGN TARGET DETAILS

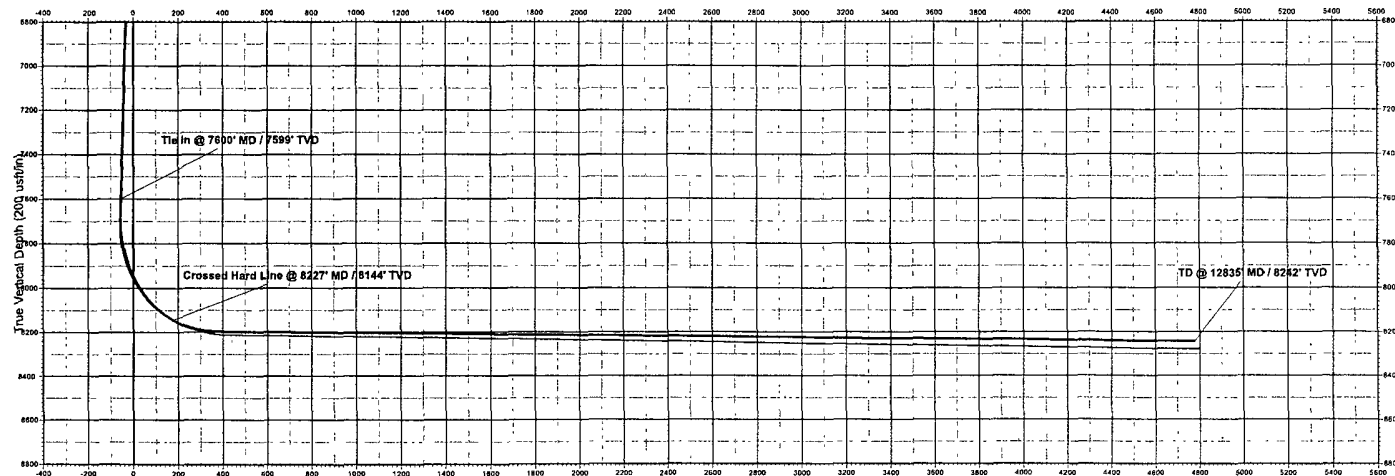
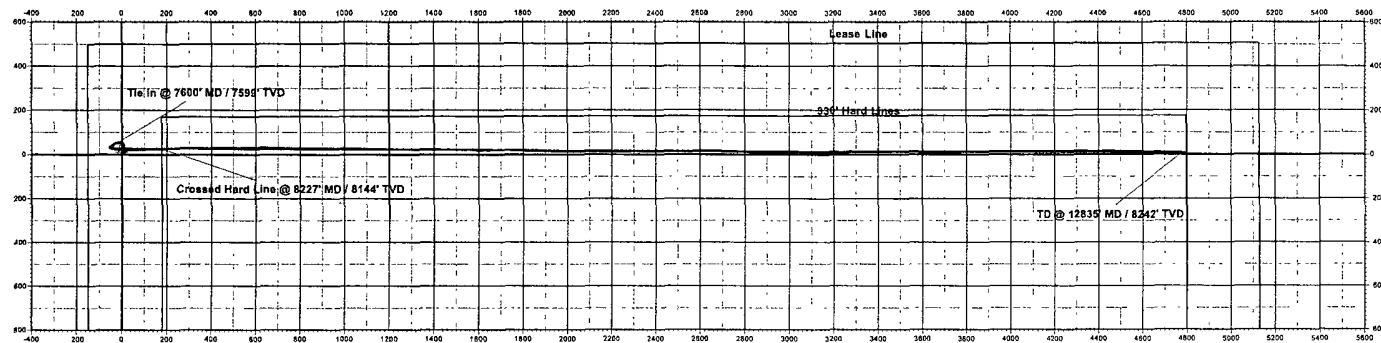
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Bradley 28 Fed Com #2H Design #2 - plan hits target center	8278.0	6.4	4797.0	627378.89	812063.80	32° 43' 27.223 N	103° 59' 8.180 W

ANNOTATIONS

MD	Inc	Asl	TVD	+N/-S	+E/-W	Vsect/Departure	Annotation
7800.0	1.92	248.84	7598.2	34.3	-54.1	129.8	Tie In @ 7600' MD / 7598' TVD
8227.0	80.30	88.60	8143.8	27.0	178.7	178.8	Crossed Hard Line @ 8227' MD / 8144' TVD
12835.0	90.00	91.60	8242.0	7.4	4777.0	4777.0	TD @ 12835' MD / 8242' TVD

WELL DETAILS Bradley 28 Fed Com #2H

+N/-S	+E/-W	Ground Level	3420.0	North	East	Latitude	Longitude
0.0	0.0	627371.57	607266.79	32° 43' 27.319 N	103° 59' 4.333 W		



Vertical Section at 89.92° (200 usf/in)

Mewbourne Oil Company



Do It Once.
Do It Right.

Confidential Information - not to be disclosed
outside Mewbourne Oil Company

Completion
Final

Prepared for		Company	Date		
Mr. Mickey Young		Mewbourne Oil Company	20-Jan-12		
Well Name		Type of Installation	Location		
Bradley -28- Fed Com #2H		20-Stage 4-1/2" StackFRAC® HD	Eddy County, NM		
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 2 of 3					
REV_					
9743.17'		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6 08
EA2017929		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)	5.750"	3.875	5 25
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 10
Stage 14		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	116 68
9868.20'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball	5 630"	2.875	2 65
330.40bbbls		PN: 121332-000018 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA3016327		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	77 91
		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6 09
9954.85'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5 25
EA2017771		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 09
Stage 13		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	116 81
10080.00'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball	5 630"	2.750	2 65
342.98bbbls		PN: 121332-000017 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA1022484		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4 000	78.26
		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6 09
10167.00'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5 25
EA2017772		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3.10
Stage 12		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	116 70
10292.05'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball	5 630"	2.625	2 65
346.27bbbls		PN: 121332-000016 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA3017016		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	117.77
		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4.500"	4 000	6.10
10418.57'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5 25
EA2017757		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3.03
Stage 11		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	116 57
10543.42'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball	5 630"	2.500	2 65
350.17bbbls		PN: 121332-000015 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA3016964		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4.000	78 69
		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4.000	6 09
10630.85'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5.25
EA2017750		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4.500"	4.000	3 02
Stage 10		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	115 95
10755.07'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball	5.630"	2.375	2 65
353.45bbbls		PN: 121332-000014 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA1022572		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4 500"	4.000	77 41
		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4.500"	4 000	6.07
10841.20'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5 25
EA2017841		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4.500"	4.000	3 10
Stage 9		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4 000	116.32
10965.87'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball	5.630"	2.250	2 65
356.72bbbls		PN: 121332-000013 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA1022735		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4.500"	4 000	76.64
		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4.500"	4 000	6 11
11051.27'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5 25
EA2017779		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	3.09
Stage 8		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	116 98
11176.59'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball	5 630"	2.125	2 65
359.98bbbls		PN: 121332-000012 (5 shear pins at 314 psi each; 1,570 psi opening pressure)		3.840	
EA3016863		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4 000	114.66
		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6.09
11299.99'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer	5.750"	3.875	5.25
EA2017754		PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)			
		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4.500"	4 000	3 00
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4 500"	4 000	117 01
Service Center Telephone Contact			Telephone		
Midland, TX	432-563-8024	Scott Mabry	Chad Williams 405-255-3223		

		Do It Once Do It Right	Confidential Information - not to be disclosed outside Mewbourne Oil Company	Completion Final
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 20-Jan-12
Well Name Bradley -28- Fed Com #2H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM

Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 3 of 3					
REV_					
Stage 7		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball	5 630"	2.000	2 65
11425.25'		PN: 121332-000011 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
363.84bbbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4.000	76 49
EA1022654		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	6 10
		JOINTS: 2	5 750"	3.875	5 25
11510.49'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA2017755		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4 500"	4 000	3 06
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4.000	115 75
		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.875	2 65
Stage 6		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball			
11634.55'		PN: 121332-000010 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
367.08bbbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4.000	116 50
EA3016391		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	6 09
		JOINTS: 3	5 750"	3.875	5 25
11759.79'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA2017756		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4 500"	4 000	3 04
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	117 26
		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.750	2 65
Stage 5		Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball			
11885.34'		PN: 121332-000009 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
370.97bbbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4.000	76 98
EA1021013		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	6 10
		JOINTS: 2	5 750"	3.875	5 25
11971.07'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA2017875		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4 500"	4.000	3 01
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4.000	115 38
		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.625	2 65
Stage 4		Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball			
12094.71'		PN: 121332-000008 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
374.21bbbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4.000	116 83
EA1017283		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4.000	6 10
		JOINTS: 3	5 750"	3.875	5 25
12220.29'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA2017877		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4 500"	4 000	3 08
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	116 62
		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.500	2 65
Stage 3		Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball			
12345.24'		PN: 121332-000007 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
378.10bbbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	74 53
EA1005097		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4 000	6 08
		JOINTS: 2	5 750"	3.875	5 25
12428.50'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA2017871		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4 500"	4 000	3 12
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4.000	115 41
		4-1/2" 11.60# P-110 LTC LINER	5 630"	1.375	2 65
Stage 2		Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball			
12552.28'		PN: 121332-000006 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
381.30bbbls		4-1/2" 11.60# P-110 LTC LINER	4 500"	4.000	80 98
EA1017440		6' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4.000	6 08
		JOINTS: 2	5 750"	3.875	5 25
12641.99'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			
EA2017773		PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4 500"	4 000	3 10
		3' x 4-1/2" 11.60# P-110 LTC Pup Joint	4 500"	4.000	127 16
		4-1/2" 11.60# P-110 LTC LINER			
Stage 1		Customer 4-1/2" Pump Off Sub			
12777.50'		(Pinned above 3200 PSI)			2.50
384.80bbbls					

Service Center Midland, TX	Telephone 432-563-8024	Contact Scott Mabry	Telephone Chad Williams 405-255-3223
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