

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

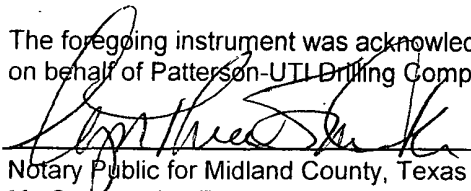
Mewbourne Oil Company
Hobbs

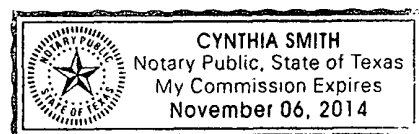
STATE OF TEXAS

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

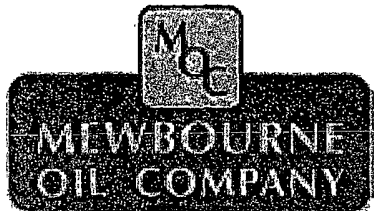
Surveyor: Ray Seago

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

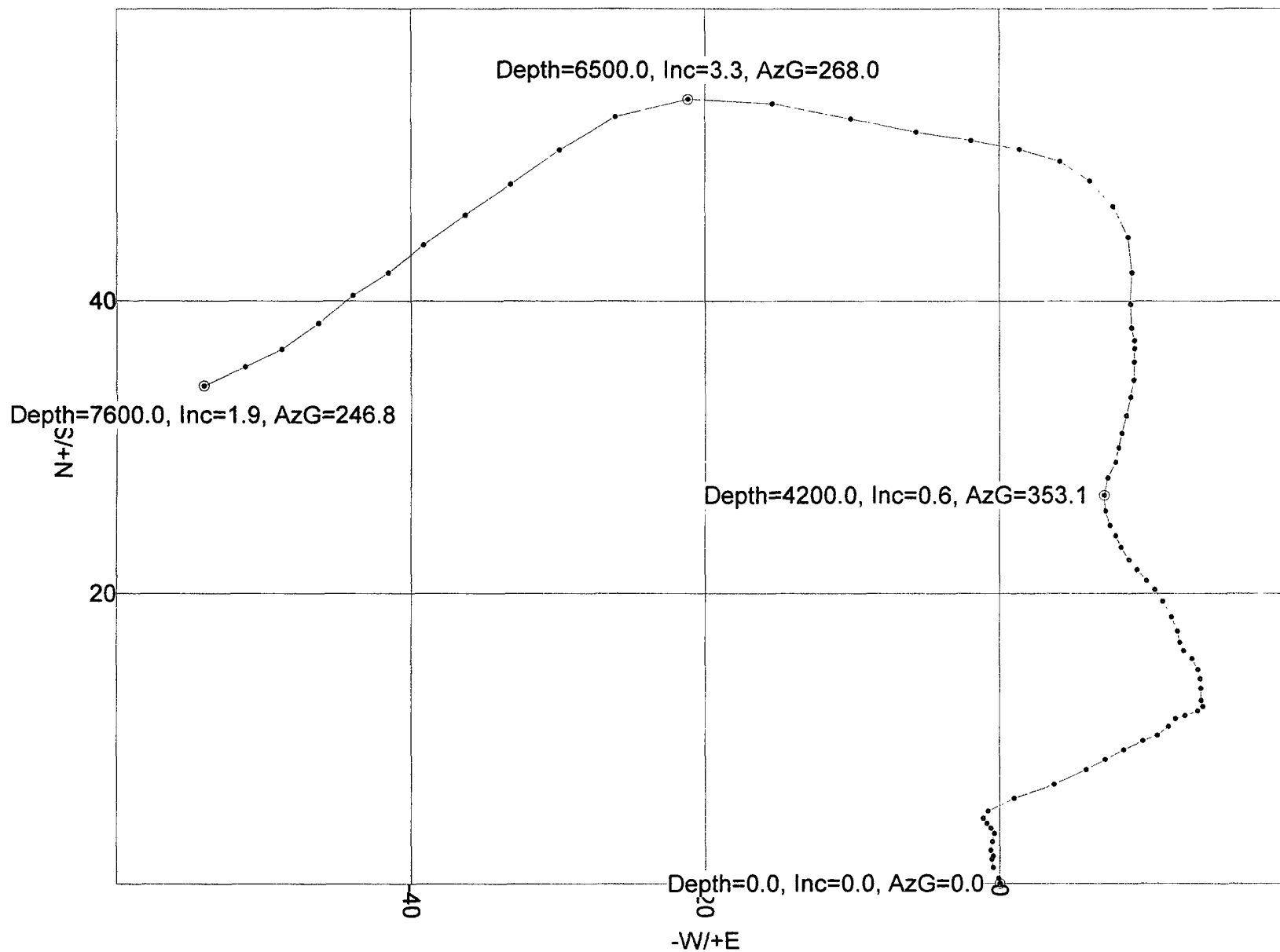
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.41	346.34	100.00	0.34	-0.08	0.34	0.35	346.34	0.41
200.00	0.57	322.40	200.00	1.08	-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:	From: Map	North: 626,279.25 usft	Latitude: 32° 43' 16.513 N
Position Uncertainty:	0.0 usft	Easting: 607,181.52 usft	Longitude: 103° 59' 5.373 W
		Slot Radius: 13-3/16 "	Grid Convergence: 0.19 °

Well:	Bradley 28 Fed Com #2H		
Well Position	+N/-S 0.0 usft	North: 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 (nT)
	IGRF2010	1/13/2012	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
(usft)	(usft)		
100.0	7,600.0	Gyro (Wellbore #1)	Good_gyro
7,628.0	12,835.0	MWD (Wellbore #1)	MWD default
			MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(%/100usft)	(%/100usft)	(%/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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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)
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:	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)
12,756.0	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

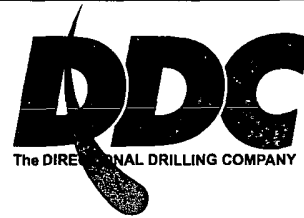
Survey Annotations

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

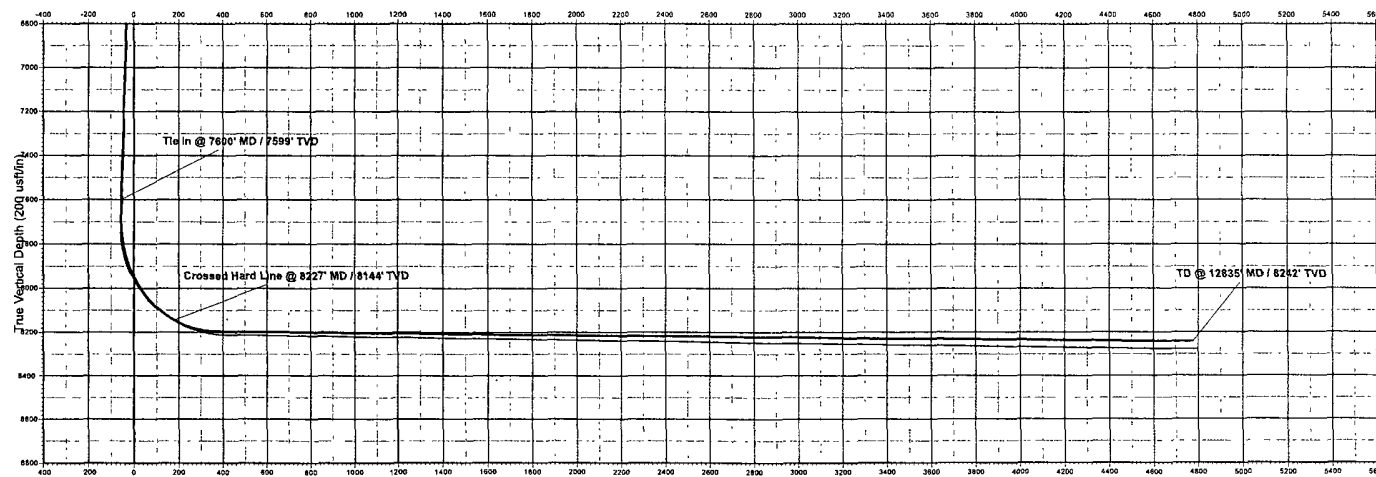
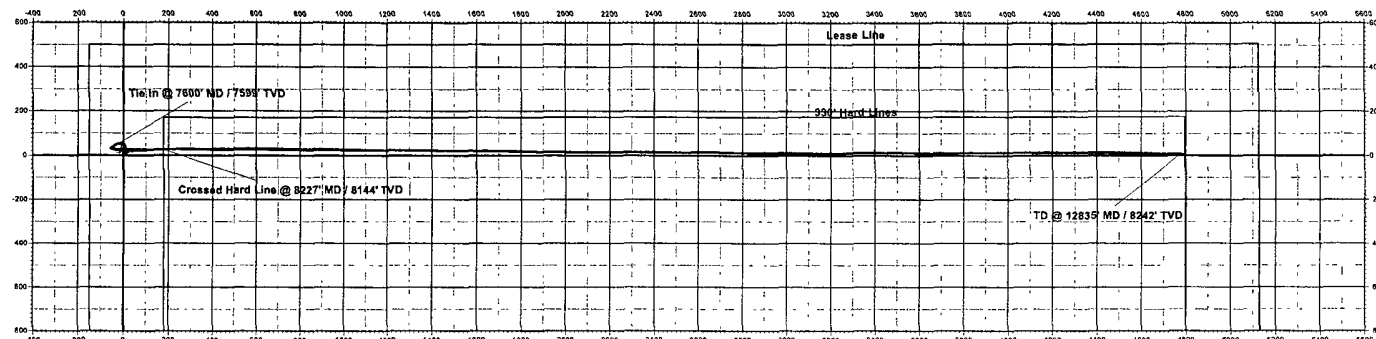
System Datum: Mean Sea Level

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
PBHL Bradley 28 Fed Com #2H Design #2 - plan hits target center	8278.0	6.4	4787.0	827378.00	612063.80	32° 43' 27.223 N
Longitude						
103° 58' 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	128.8	Tie in @ 7800' MD / 7598' TVD		
8227.0	60.30	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	
0.0	0.0	North	627571.97	Latitude
		East	607266.79	Longitude
				32° 43' 27.319 N
				103° 59' 4.333 W

Mewbourne Oil Company



Vertical Section at 89.92° (200 usf/in)



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 1 of 3						
REV_						
TVD 8241'						
KOP 7669'						
MD 12835'						
12" Incl.						
Top of Liner 8227.45'						
8514.71' EA2018470						
7" Shoe 8439'						
Stage 20 8562.44' 319.46bbbls EA1022048 8649.17' EA2017933						
Stage 19 8736.01' 322.15bbbls EA1022020						
8822.53' EA2017769						
Stage 18 8946.38' 325.41bbbls EA1019517						
9032.94' EA2017770						
Stage 17 9157.75' 328.69bbbls EA3017104						
9282.67' EA2017766						
Stage 16 9408.11' 332.57bbbls EA3016275						
9533.29' EA2017767						
Stage 15 9657.59' 336.44bbbls EA3016197						
Service Center Midland, TX		Telephone 432-563-8024		Contact Scott Mabry		Telephone Chad Williams 405-255-3223

Page 1 of 3

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
REV_			Page 2 of 3		
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
Stage 14		3' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	3 10
9868.20'		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	116 68
330.40bbbls		JOINTS: 3	5 630"	2.875	2 65
EA3016327		Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball PN: 121332-000018 (5 shear pins at 314 psi each: 1,570 psi opening pressure)		3.840	
		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	77 91
9954.85'		6' x 4-1/2" 11 60# P-110 LTC Pup Joint	4 500"	4 000	6 09
EA2017771		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 09
Stage 13		4-1/2" 11.60# P-110 LTC LINER	4 500"	4 000	116 81
10080.00'		JOINTS: 3	5 630"	2.750	2 65
342.98bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball 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	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 PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	5 750"	3.875	5 25
EA2017772		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	4 500"	4 000	116 70
10292.05'		JOINTS: 3	5 630"	2.625	2 65
346.27bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball 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	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 PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	5 750"	3.875	5 25
EA2017757		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	4 500"	4 000	116 57
10543.42'		JOINTS: 3	5 630"	2.500	2 65
350.17bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball 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	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 PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	5 750"	3.875	5 25
EA2017750		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	4 500"	4 000	115.95
10755.07'		JOINTS: 3	5 630"	2.375	2 65
353.45bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball 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	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 PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	5 750"	3.875	5 25
EA2017841		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	4.500"	4.000	116.32
10965.87'		JOINTS: 3	5.630"	2.250	2 65
356.72bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball 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	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 PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	5.750"	3.875	5 25
EA2017779		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	4.500"	4 000	116 98
11176.59'		JOINTS: 3	5.630"	2.125	2 65
359.98bbbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball 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	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 PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	5.750"	3.875	5 25
EA2017754		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	4 500"	4 000	117.01
Service Center Midland, TX		Telephone 432-563-8024	Contact Scott Mabry		
			Telephone 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	
REV_			Page 3 of 3			
Stage 7 11425.25' 363.84bbls EA1022654		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball PN: 121332-000011 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint	5.630"	2.000"	2 65	
11510.49' EA2017755		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) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000"	76 49	
Stage 6 11634.55' 367.08bbls EA3016391		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball PN: 121332-000010 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.60# P-110 LTC Pup Joint	5.630"	1.875"	2 65	
11759.79' EA2017756		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) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000"	3 06	
Stage 5 11885.34' 370.97bbls EA1021013		Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball PN: 121332-000009 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint	5.630"	1.750"	2 65	
11971.07' EA2017875		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) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000"	3 04	
Stage 4 12094.71' 374.21bbls EA1017283		Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball PN: 121332-000008 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3 6' x 4-1/2" 11.60# P-110 LTC Pup Joint	5.630"	1.625"	2 65	
12220.29' EA2017877		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) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000"	3 08	
Stage 3 12345.24' 378.10bbls EA1005097		Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball PN: 121332-000007 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint	5.630"	1.500"	2 65	
12428.50' EA2017871		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) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000"	3 12	
Stage 2 12552.28' 381.30bbls EA1017440		Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball PN: 121332-000006 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2 6' x 4-1/2" 11.60# P-110 LTC Pup Joint	5.630"	1.375"	2 65	
12641.99' EA2017773		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) 3' x 4-1/2" 11.60# P-110 LTC Pup Joint 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000"	3 10	
Stage 1 12777.50' 384.80bbls		6' x 4-1/2" 11.60# P-110 LTC Pup Joint Customer 4-1/2" Pump Off Sub (Pinned above 3200 PSI)	4.500"	4.000"	127 16	
					2 50	
Service Center Midland, TX			Telephone 432-563-8024			
Contact Scott Mabry			Telephone Chad Williams 405-255-3223			