



Job Number: SVCO-111408
 Company: Mewbourne Oil & Gas
 Lease/Well: Fast Draw 4 Ad Fed Com 1H
 Location: Eddy County, NM
 Rig Name: Patterson #101
 RKB: 19'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 8.06°
 Grid: East To Grid
 File name: F:\SURVEY\2011SU~1\MEWBOU~1\FAST1H.SVY
 Date/Time: 15-Nov-11 / 11:36
 Curve Name: Surface - 1830' M.D. (Gyroscopic)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 270.30
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 1830 MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.
 Dana Juttu 11/15/11
 MS Energy Services Date

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	.50	27.08	100.00	.39	.20	-.20	.44	27.08	.50
200.00	.50	79.96	200.00	.85	.83	-.82	1.19	44.11	.45
300.00	.25	357.84	299.99	1.15	1.25	-1.24	1.70	47.42	.53
400.00	.25	104.72	399.99	1.31	1.45	-1.44	1.95	47.93	.40
500.00	.50	19.60	499.99	1.67	1.81	-1.80	2.46	47.36	.54
600.00	.25	39.47	599.99	2.24	2.09	-2.08	3.07	43.00	.28
700.00	.50	332.35	699.99	2.80	2.03	-2.02	3.46	35.94	.46
800.00	.50	13.23	799.98	3.61	1.93	-1.91	4.09	28.09	.35
900.00	.25	64.11	899.98	4.13	2.22	-2.20	4.69	28.29	.39

30-015-39391

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	.50	19.99	999.98	4.64	2.57	-2.54	5.30	28.99	.36
1100.00	.25	77.87	1099.98	5.09	2.93	-2.90	5.88	29.93	.42
1200.00	.25	352.75	1199.98	5.35	3.12	-3.09	6.20	30.20	.34
1300.00	.00	.00	1299.98	5.57	3.09	-3.06	6.37	29.01	.25
1400.00	.50	52.51	1399.98	5.84	3.44	-3.40	6.77	30.48	.50
1500.00	.25	310.39	1499.97	6.24	3.62	-3.58	7.21	30.08	.60
1600.00	.25	30.27	1599.97	6.57	3.56	-3.52	7.47	28.44	.32
1700.00	.50	337.15	1699.97	7.16	3.50	-3.46	7.97	26.04	.40
1800.00	.25	240.03	1799.97	7.46	3.14	-3.10	8.09	22.85	.59
Last Survey Depth Recorded									
1830.00	.50	280.90	1829.97	7.45	2.96	-2.92	8.01	21.65	1.17

Mewbourne Oil Co

Eddy County, New Mexico

Sec 4-20S-25E

Fast Draw 4 AD Fed Com #1H

Wellbore #1

Survey: MWD

DDC Survey Report

28 November, 2011



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Fast Draw 4 AD Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3516.0usft (Patterson UTI #101)
Site:	Sec 4-20S-25E	MD Reference:	WELL @ 3516.0usft (Patterson UTI #101)
Well:	Fast Draw 4 AD Fed Com #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, 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 4-20S-25E		
Site Position:		Northing:	581,878.03 usft
From:	Map	Easting:	452,952.66 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 35' 58.542 N
		Longitude:	104° 29' 9.974 W
		Grid Convergence:	-0 08 °

Well:	Fast Draw 4 AD Fed Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 585,169.77 usft
	+E/-W	0.0 usft	Easting: 454,280.65 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 36' 31.135 N
		Longitude:	104° 28' 54.504 W
		Ground Level:	3,497.0 usft

Wellbore:	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/7/2011	7.98	60.37	48,705

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	270.00

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	11/28/2011	100.0	1,830.0	Gyro (Wellbore #1)	Good_gyro	Good Gyro
		1,926.0	6,925.0	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 into Gyro	1,830.0	0.50	280.90	1,830.0	7.4	3.0	-3.0	0.00	0.00	0.00
	1,926.0	0.40	314.60	1,926.0	7.8	2.3	-2.3	0.29	-0.10	35.10
	1,957.0	0.30	295.50	1,957.0	7.9	2.2	-2.2	0.49	-0.32	-61.61
	1,989.0	2.20	279.30	1,989.0	8.0	1.5	-1.5	5.98	5.94	-50.63
Crossed Hard Line @ 2019' MD	2,019.0	4.91	275.06	2,018.9	8.2	-0.4	0.4	9.07	9.03	-14.13
	2,020.0	5.00	275.00	2,019.9	8.2	-0.5	0.5	9.07	9.05	-6.22
	2,052.0	7.80	272.30	2,051.7	8.4	-4.0	4.0	8.80	8.75	-8.44

DDC Survey Report



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Site:	Sec 4-20S-25E	MD Reference:	WELL @ 3516.0usft (Patterson UTI #101)
Well:	Fast Draw 4 AD Fed Com #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)
2,084.0	10.80	267.20	2,083.3	8.4	-9.2	9.2	9.71	9.38	-15.94
2,115.0	13.90	264.70	2,113.5	7.9	-15.8	15.8	10.15	10.00	-8.06
2,146.0	17.10	264.90	2,143.4	7.1	-24.0	24.0	10.32	10.32	0.65
2,177.0	20.30	266.20	2,172.8	6.4	-34.0	34.0	10.41	10.32	4.19
2,208.0	23.60	268.30	2,201.5	5.8	-45.5	45.5	10.94	10.65	6.77
2,240.0	26.60	270.50	2,230.5	5.7	-59.1	59.1	9.82	9.38	6.88
2,271.0	29.90	271.80	2,257.8	6.0	-73.8	73.8	10.83	10.65	4.19
2,303.0	33.40	271.70	2,285.0	6.5	-90.5	90.5	10.94	10.94	-0.31
2,334.0	36.80	271.00	2,310.4	6.9	-108.4	108.4	11.04	10.97	-2.26
2,365.0	40.30	269.90	2,334.6	7.1	-127.7	127.7	11.50	11.29	-3.55
2,396.0	43.40	269.50	2,357.7	7.0	-148.4	148.4	10.04	10.00	-1.29
2,428.0	46.20	269.30	2,380.4	6.7	-170.9	170.9	8.76	8.75	-0.63
2,459.0	48.90	269.30	2,401.4	6.5	-193.8	193.8	8.71	8.71	0.00
2,491.0	51.40	269.10	2,421.9	6.1	-218.3	218.3	7.83	7.81	-0.63
2,522.0	54.20	269.40	2,440.6	5.8	-243.0	243.0	9.07	9.03	0.97
2,554.0	57.10	269.10	2,458.7	5.4	-269.4	269.4	9.10	9.06	-0.94
2,584.0	60.10	268.70	2,474.3	5.0	-295.0	295.0	10.06	10.00	-1.33
2,616.0	63.20	268.70	2,489.5	4.3	-323.2	323.2	9.69	9.69	0.00
2,647.0	66.60	268.70	2,502.6	3.7	-351.2	351.2	10.97	10.97	0.00
2,679.0	70.20	269.00	2,514.4	3.1	-381.0	381.0	11.28	11.25	0.94
2,710.0	73.50	269.50	2,524.1	2.7	-410.4	410.4	10.75	10.65	1.61
2,742.0	76.60	270.00	2,532.3	2.6	-441.3	441.3	9.80	9.69	1.56
2,773.0	79.70	270.70	2,538.7	2.7	-471.7	471.7	10.24	10.00	2.26
2,805.0	82.70	270.90	2,543.6	3.2	-503.3	503.3	9.40	9.38	0.63
2,830.0	84.40	270.50	2,546.4	3.5	-528.1	528.1	6.98	6.80	-1.60
2,918.0	90.50	266.60	2,550.3	1.3	-616.0	616.0	8.22	6.93	-4.43
2,950.0	90.00	266.80	2,550.2	-0.6	-647.9	647.9	1.68	-1.56	0.63
2,982.0	90.20	266.70	2,550.1	-2.4	-679.9	679.9	0.70	0.63	-0.31
3,014.0	91.70	268.80	2,549.6	-3.7	-711.8	711.8	8.06	4.69	6.56
3,046.0	91.90	269.40	2,548.6	-4.2	-743.8	743.8	1.98	0.63	1.88
3,077.0	91.90	268.90	2,547.5	-4.6	-774.8	774.8	1.61	0.00	-1.61
3,109.0	91.80	268.70	2,546.5	-5.3	-806.8	806.8	0.70	-0.31	-0.63
3,141.0	90.50	268.90	2,545.9	-6.0	-838.8	838.8	4.11	-4.06	0.63
3,173.0	89.70	268.80	2,545.8	-6.6	-870.7	870.7	2.52	-2.50	-0.31
3,204.0	89.10	269.00	2,546.1	-7.2	-901.7	901.7	2.04	-1.94	0.65
3,236.0	89.10	269.50	2,546.6	-7.6	-933.7	933.7	1.56	0.00	1.56
3,268.0	89.80	270.10	2,546.9	-7.7	-965.7	965.7	2.88	2.19	1.88
3,300.0	90.90	270.10	2,546.7	-7.7	-997.7	997.7	3.44	3.44	0.00
3,332.0	90.50	269.50	2,546.4	-7.8	-1,029.7	1,029.7	2.25	-1.25	-1.88
3,364.0	90.20	268.80	2,546.2	-8.3	-1,061.7	1,061.7	2.38	-0.94	-2.19
3,395.0	91.50	269.60	2,545.7	-8.7	-1,092.7	1,092.7	4.92	4.19	2.58
3,427.0	91.70	269.30	2,544.8	-9.0	-1,124.7	1,124.7	1.13	0.63	-0.94
3,459.0	91.80	269.10	2,543.8	-9.4	-1,156.7	1,156.7	0.70	0.31	-0.63

DDC Survey Report



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Site:	Sec 4-20S-25E	MD Reference:	WELL @ 3516.0usft (Patterson UTI #101)
Well:	Fast Draw 4 AD-Fed Com #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)
3,491.0	91.50	269.30	2,542.9	-9.9	-1,188.7	1,188.7	1.13	-0.94	0.63
3,523.0	91.30	268.50	2,542.1	-10.5	-1,220.6	1,220.6	2.58	-0.63	-2.50
3,555.0	91.60	268.80	2,541.3	-11.3	-1,252.6	1,252.6	1.33	0.94	0.94
3,586.0	93.00	270.50	2,540.1	-11.4	-1,283.6	1,283.6	7.10	4.52	5.48
3,618.0	93.10	270.80	2,538.4	-11.1	-1,315.6	1,315.6	0.99	0.31	0.94
3,649.0	93.20	270.50	2,536.7	-10.7	-1,346.5	1,346.5	1.02	0.32	-0.97
3,681.0	92.00	270.10	2,535.2	-10.6	-1,378.5	1,378.5	3.95	-3.75	-1.25
3,713.0	91.70	270.30	2,534.2	-10.4	-1,410.5	1,410.5	1.13	-0.94	0.63
3,777.0	91.80	270.00	2,532.2	-10.3	-1,474.4	1,474.4	0.49	0.16	-0.47
3,840.0	91.00	270.50	2,530.7	-10.0	-1,537.4	1,537.4	1.50	-1.27	0.79
3,903.0	89.80	270.70	2,530.2	-9.3	-1,600.4	1,600.4	1.93	-1.90	0.32
3,967.0	90.10	270.50	2,530.3	-8.7	-1,664.4	1,664.4	0.56	0.47	-0.31
4,030.0	90.10	270.50	2,530.2	-8.1	-1,727.4	1,727.4	0.00	0.00	0.00
4,094.0	90.80	270.20	2,529.7	-7.7	-1,791.4	1,791.4	1.19	1.09	-0.47
4,158.0	90.40	270.90	2,529.0	-7.1	-1,855.4	1,855.4	1.26	-0.63	1.09
4,221.0	90.20	271.40	2,528.7	-5.9	-1,918.4	1,918.4	0.85	-0.32	0.79
4,285.0	90.00	271.60	2,528.6	-4.2	-1,982.3	1,982.3	0.44	-0.31	0.31
4,349.0	89.70	271.90	2,528.7	-2.2	-2,046.3	2,046.3	0.66	-0.47	0.47
4,412.0	90.20	271.60	2,528.8	-0.3	-2,109.3	2,109.3	0.93	0.79	-0.48
4,476.0	90.00	271.80	2,528.7	1.6	-2,173.3	2,173.3	0.44	-0.31	0.31
4,540.0	91.00	270.80	2,528.1	3.0	-2,237.2	2,237.2	2.21	1.56	-1.56
4,603.0	91.40	271.10	2,526.8	4.1	-2,300.2	2,300.2	0.79	0.63	0.48
4,666.0	91.30	270.70	2,525.3	5.1	-2,363.2	2,363.2	0.65	-0.16	-0.63
4,729.0	91.20	270.60	2,523.9	5.8	-2,426.2	2,426.2	0.22	-0.16	-0.16
4,793.0	91.20	270.90	2,522.6	6.6	-2,490.1	2,490.1	0.47	0.00	0.47
4,855.0	90.60	270.90	2,521.6	7.6	-2,552.1	2,552.1	0.97	-0.97	0.00
4,916.0	90.40	270.30	2,521.1	8.2	-2,613.1	2,613.1	1.04	-0.33	-0.98
4,976.0	90.40	269.50	2,520.7	8.1	-2,673.1	2,673.1	1.33	0.00	-1.33
5,038.0	90.40	268.60	2,520.3	7.1	-2,735.1	2,735.1	1.45	0.00	-1.45
5,099.0	90.70	268.50	2,519.7	5.6	-2,796.1	2,796.1	0.52	0.49	-0.16
5,157.0	90.60	268.00	2,519.0	3.8	-2,854.1	2,854.1	0.88	-0.17	-0.86
5,200.0	90.60	267.80	2,518.6	2.2	-2,897.0	2,897.0	0.47	0.00	-0.47
5,230.0	89.70	267.90	2,518.5	1.1	-2,927.0	2,927.0	3.02	-3.00	0.33
5,292.0	91.00	268.00	2,518.1	-1.1	-2,989.0	2,989.0	2.10	2.10	0.16
5,353.0	91.30	268.10	2,516.9	-3.2	-3,049.9	3,049.9	0.52	0.49	0.16
5,411.0	90.70	267.30	2,515.9	-5.5	-3,107.9	3,107.9	1.72	-1.03	-1.38
5,472.0	91.00	269.10	2,515.0	-7.4	-3,168.8	3,168.8	2.99	0.49	2.95
5,531.0	91.40	268.70	2,513.7	-8.6	-3,227.8	3,227.8	0.96	0.68	-0.68
5,594.0	91.20	267.90	2,512.3	-10.4	-3,290.8	3,290.8	1.31	-0.32	-1.27
5,656.0	90.80	269.80	2,511.2	-11.7	-3,352.7	3,352.7	3.13	-0.65	3.06
5,716.0	90.40	270.00	2,510.6	-11.8	-3,412.7	3,412.7	0.75	-0.67	0.33
5,780.0	90.20	268.90	2,510.2	-12.4	-3,476.7	3,476.7	1.75	-0.31	-1.72
5,844.0	91.20	270.90	2,509.5	-12.5	-3,540.7	3,540.7	3.49	1.56	3.13
5,908.0	91.70	271.40	2,507.8	-11.2	-3,604.7	3,604.7	1.10	0.78	0.78

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5,971.0	91.60	271.30	2,506.0	-9.7	-3,667.6	3,667.6	0.22	-0.16	-0.16
6,035.0	91.40	271.20	2,504.4	-8.4	-3,731.6	3,731.6	0.35	-0.31	-0.16
6,099.0	91.20	271.20	2,502.9	-7.0	-3,795.6	3,795.6	0.31	-0.31	0.00
6,162.0	91.10	270.80	2,501.6	-5.9	-3,858.5	3,858.5	0.65	-0.16	-0.63
6,226.0	91.00	271.00	2,500.5	-4.9	-3,922.5	3,922.5	0.35	-0.16	0.31
6,289.0	91.30	270.80	2,499.2	-3.9	-3,985.5	3,985.5	0.57	0.48	-0.32
6,352.0	91.60	270.00	2,497.6	-3.5	-4,048.5	4,048.5	1.36	0.48	-1.27
6,415.0	90.00	270.70	2,496.7	-3.1	-4,111.5	4,111.5	2.77	-2.54	1.11
6,479.0	89.80	270.40	2,496.8	-2.5	-4,175.5	4,175.5	0.56	-0.31	-0.47
6,543.0	89.70	270.10	2,497.1	-2.2	-4,239.5	4,239.5	0.49	-0.16	-0.47
6,606.0	89.80	269.60	2,497.4	-2.4	-4,302.5	4,302.5	0.81	0.16	-0.79
6,669.0	89.70	268.90	2,497.7	-3.2	-4,365.5	4,365.5	1.12	-0.16	-1.11
6,732.0	89.90	269.10	2,497.9	-4.3	-4,428.5	4,428.5	0.45	0.32	0.32
6,795.0	90.60	269.50	2,497.6	-5.1	-4,491.4	4,491.4	1.28	1.11	0.63
6,859.0	91.30	269.00	2,496.6	-5.9	-4,555.4	4,555.4	1.34	1.09	-0.78
6,881.0	90.80	268.30	2,496.2	-6.4	-4,577.4	4,577.4	3.91	-2.27	-3.18
TD									
6,925.0	90.80	268.30	2,495.5	-7.7	-4,621.4	4,621.4	0.00	0.00	0.00

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
1,830.0	1,830.0	7.4	3.0	Tie into Gyro
2,019.0	2,018.9	8.2	-0.4	Crossed Hard Line @ 2019' MD
6,925.0	2,495.5	-7.7	-4,621.4	TD

Checked By: _____	Approved By: _____	Date: _____
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Company Name: Mewbourne Oil Co
Fast Draw 4 AD Fed Com #1H
Eddy County, New Mexico
Rig: Patterson UTI #101
Created By: Shane Robbins
Date: 11/28/2011

Fast Draw 4 AD Fed Com #1H
Eddy County, New Mexico
Q110373 & WT-11652

WELL DETAILS Fast Draw 4 AD Fed Com #1H

+N/-S	+E/-W	Ground Level Northing	3487.0 Easting	Latitude 32° 36' 31.135 N	Longitude 104° 28' 54.504 W
0.0	0.0	685169.77	454280.65		

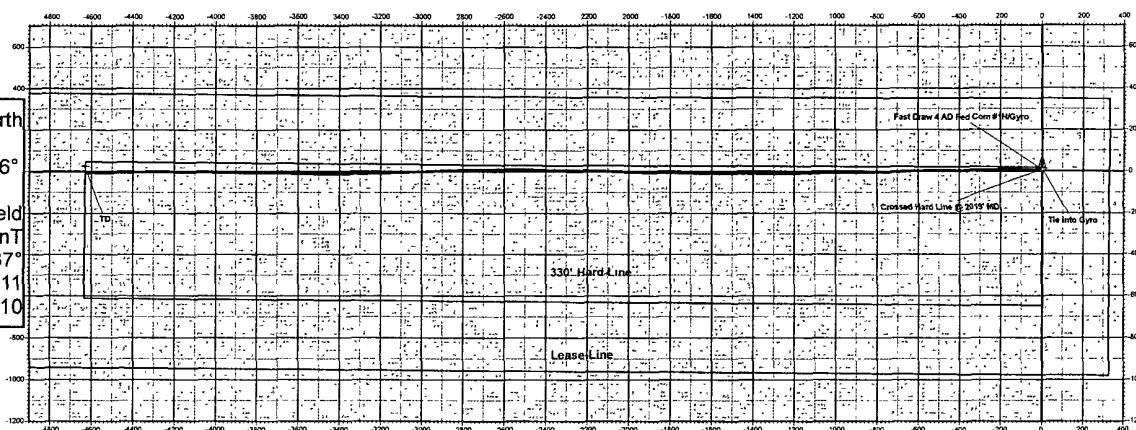
Mewbourne Oil Company



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

G Azimuths to Grid North
M Correction: 8.06°
Magnetic Field
Strength: 48704 7snT
Dip Angle: 60.37°
Date: 11/7/2011
Model: IGRF2010



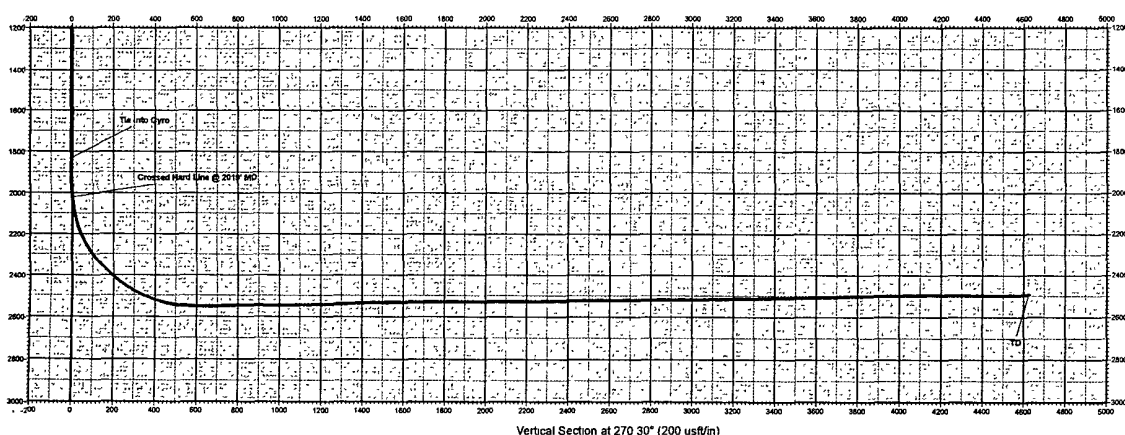
ANNOTATIONS

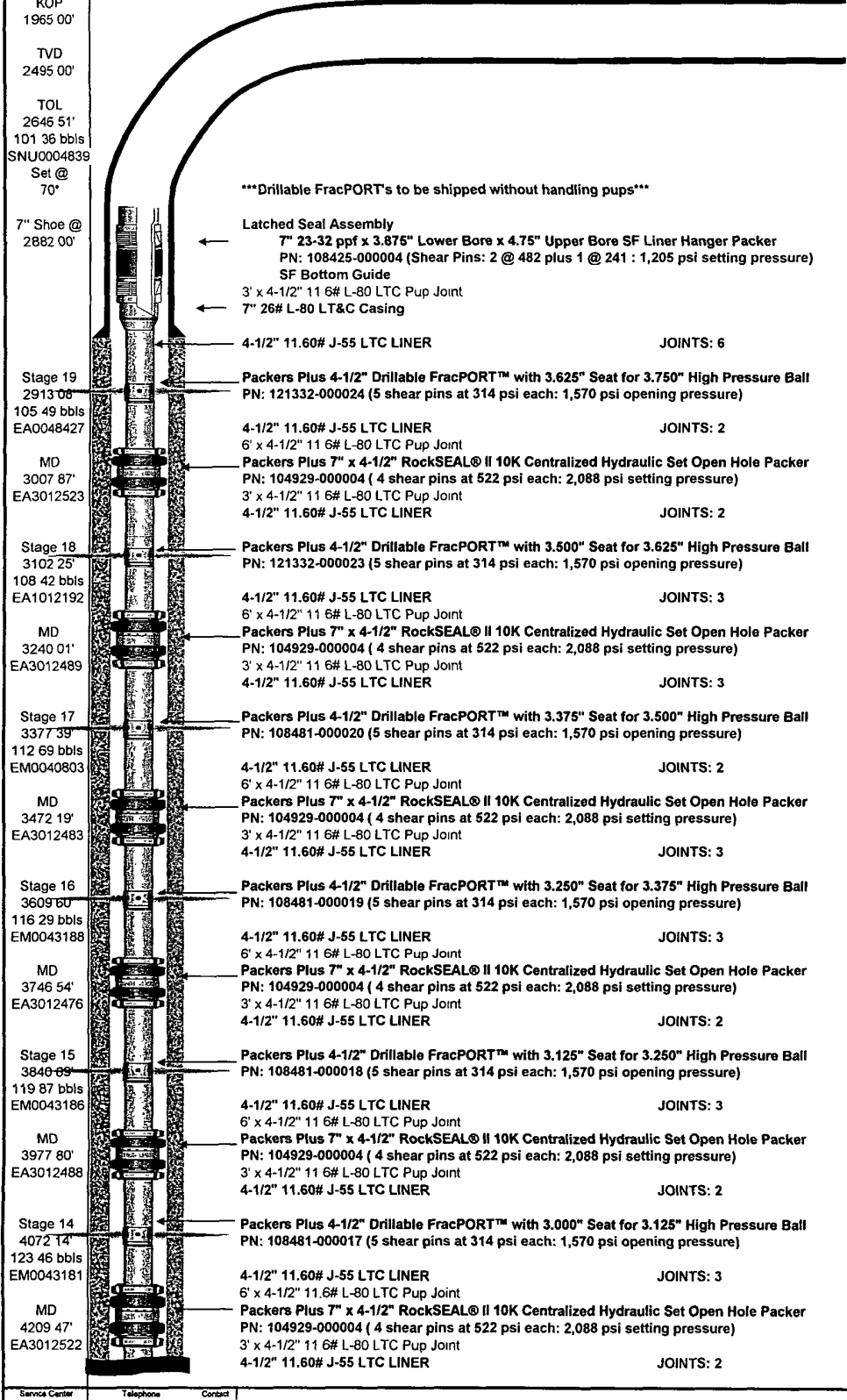
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1830.0	0.50	280.90	1830.0	7.4	3.0	-3.0	10.9	Tie into Gyro
2019.0	4.91	275.06	2019.9	8.2	-0.4	0.4	14.4	Crossed Hard Line @ 2019 MD
6925.0	90.80	268.30	2495.5	-7.7	-4621.4	4621.4	4636.5	TD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Fast Draw 4 AD Fed Com #1H	2495.0	24.6	-4630.7	685194.36	449649.95	32° 36' 31.111 N	104° 29' 48.842 W

- plan hits target center



Prepared for Mr. Mickey Young		Company Mewbourne Oil Company	Date 26-Nov-11		
Well Name Fast Draw -4- "AD" Fed Com #1H		Type of Installation 19-Stage 4-1/2" StackFRAC® HD	Location Eddy County, NM		
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 1 of 3					
KOP 1965 00'	 ***Drillable FracPORT's to be shipped without handling pups*** Latched Seal Assembly 7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer PN: 108425-000004 (Shear Pins: 2 @ 482 plus 1 @ 241 : 1,205 psi setting pressure) SF Bottom Guide 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 7" 26# L-80 LT&C Casing				
TVD 2495 00'					
TOL 2646 51'					
101 36 bbls SNU0004839 Set @ 70"					
7" Shoe @ 2882 00'	4-1/2" 11.60# J-55 LTC LINER JOINTS: 6 5.875" 4.750 2 82' 3.875 2 51' 5.850 3.850 0 95' 4 500" 4 000 3 10'				
Stage 19 2913 08'	Packers Plus 4-1/2" Drillable FracPORT™ with 3.625" Seat for 3.750" High Pressure Ball PN: 121332-000024 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 4 500" 4 000 86 03' 4 500" 4 000 6 11' 5 750" 3.875 5 25'				
105 49 bbls EA0048427	6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 4 500" 4 000 3 10' 4 500" 4 000 86 03'				
MD 3007 87' EA3012523	Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball PN: 121332-000023 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 4 500" 4 000 129 03' 4 500" 4 000 6 08' 5 750" 3.875 5 25'				
108 42 bbls EA1012192	6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 4 500" 4 000 3 09' 4 500" 4 000 129 04'				
MD 3240 01' EA3012489	Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.500" High Pressure Ball PN: 108481-000020 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 4 500" 4 000 86 06' 4 500" 4 000 6 09' 5 750" 3.875 5 25'				
112 69 bbls EM0040803	6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 4 500" 4 000 3 09' 4 500" 4 000 129 07'				
MD 3472 19' EA3012483	Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball PN: 108481-000019 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 4 500" 4 000 128 20' 4 500" 4 000 6 09' 5 750" 3.875 5 25'				
116 29 bbls EM0043188	6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 4 500" 4 000 3 08' 4 500" 4 000 86 02'				
MD 3746 54' EA3012476	Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball PN: 108481-000018 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 4 500" 4 000 128 17' 4 500" 4 000 6 09' 5 750" 3.875 5 25'				
119 87 bbls EM0043186	6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 4 500" 4 000 3 08' 4 500" 4 000 86 01'				
MD 3977 80' EA3012488	Packers Plus 4-1/2" Drillable FracPORT™ with 3.000" Seat for 3.125" High Pressure Ball PN: 108481-000017 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 4 500" 4 000 128 62' 4 500" 4 000 6 06' 5 750" 3.875 5 25'				
123 46 bbls EM0043181	6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 4 500" 4 000 3 08' 4 500" 4 000 86 00'				
MD 4209 47' EA3012522	4 500" 4 000 1657 29'				
Service Center Midland, TX	Telephone 432-563-8024	Contact Keith Martin	Telephone Chad Williams 405-255-3223		

Prepared for Mr. Mickey Young		Company Mewbourne Oil Company	Date 26-Nov-11		
Well Name Fast Draw 4- "AD" Fed Com #1H		Type of Installation 19-Stage 4-1/2" StackFRAC® HD	Location Eddy County, NM		
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 2 of 3					
Stage 13 4303 80' 127 05 bbls EM0043419		Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3,000" High Pressure Ball PN: 108481-000016 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.875 3.840	2 65'
MD 4441 56' EA3012521		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	129 02' 6 09' 5 25'
Stage 12 4535 96' 130 65 bbls EM0043179		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball PN: 108481-000015 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.750 3.840	2 65'
MD 4629 96' EA3012478		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	85 24' 6 11' 5 25'
Stage 11 4721 99' 133 53 bbls EM0043177		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball PN: 108481-000014 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.625 3.840	2 65'
MD 4859 74' EA3012477		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	129 01' 6 09' 5 25'
Stage 10 4954 14' 137 13 bbls EM0043404		Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball PN: 108481-000013 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.500 3.840	2 65'
MD 5091 87' EA3008495		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	129 02' 6 06' 5 25'
Stage 9 5186 22' 140 73 bbls EM0040785		Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball PN: 108481-000012 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.375 3.840	2 65'
MD 5280 97' EA3008656		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	86 02' 6 08' 5 25'
Stage 8 5374 92' 143 65 bbls EM0031565		Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball PN: 108481-000011 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.250 3.840	2 65'
MD 5512 66' EA3008663		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	129 00' 6 09' 5 25'
Stage 7 5607 03' 147 25 bbls EM0045702		Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball PN: 108481-000010 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.125 3.840	2 65'
MD 5743 61' EA3008653		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	127 84' 6 09' 5 25'
Stage 6 5837 97' 150 83 bbls EM0038107		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball PN: 108481-000009 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	2.000 3.840	2 65'
MD 5932 71' EA3008477		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 104929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	86 00' 6 09' 5 25'
Stage 5 6027 07' 153.76 bbls EM0036927		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball PN: 108481-000008 (5 shear pins at 314 psi each; 1,570 psi opening pressure)	5 630"	1.875 3.840	2 65'
MD 6164 45' EA3005668		4-1/2" 11.60# J-55 LTC LINER 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500" 4 500" 5 750"	4 000 4 000 3.875	128.63' 6 10' 5 25'
Service Center Midland, TX	Telephone 432-563-8024	Contact Keith Martin	Telephone Chad Williams 405-255-3223		

		Do It Once. Do It Right		Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Schematic	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 26-Nov-11			
Well Name Fast Draw -4- "AD" Fed Com #1H		Type of Installation 19-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM			
Depth Drawing Description		OD(in) ID(in) Length		Page 3 of 3			
Stage 4 6256 80' 157 35 bbls EM0040765 MD 6396 57' EA3004730		Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball PN: 108481-000007 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2		5 630" 1.750 3.840 4 500" 4 000 129 01' 4 500" 4 000 6 11' 5 750" 3.875 5 25' 4 500" 4 000 3 09' 4 500" 4 000 86 03'			
Stage 3 6490 94' 160 95 bbls EM0031544 MD 6585 69' EA3005670		Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball PN: 108481-000006 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2		5 630" 1.625 3.840 4 500" 4 000 86 01' 4 500" 4 000 6 09' 5 750" 3.875 5 25' 4 500" 4 000 3 03' 4 500" 4 000 86 02'			
Stage 2 6679 99' 163 88 bbls EM0043160 MD 6816 53' EA3005669		Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball PN: 108481-000005 (5 shear pins at 314 psi each; 1,570 psi opening pressure) 4-1/2" 11.60# J-55 LTC LINER JOINTS: 3 6' x 4-1/2" 11 6# L-80 LTC Pup Joint Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 121381-000001 (6 shear pins at 324 psi each; 1,944 psi setting pressure) 3' x 4-1/2" 11 6# L-80 LTC Pup Joint 4-1/2" 11.60# J-55 LTC LINER JOINTS: 2		5 630" 1.500 3.840 4 500" 4 000 127 83' 4 500" 4 000 6 06' 5 750" 3.875 5 25' 4 500" 4 000 3 04' 4 500" 4 000 85 25'			
Stage 1 6910 07' 167 45 bbls Customer Provided Set @ 6913 00' TD @ 6925 00'		Customer 4-1/2" Pump Off Sub (Pinned above 4000 PSI)		2 93' 654 20' 4266 49'			
Service Center Midland, TX		Telephone 432-563-8024		Contact Keith Martin		Telephone Chad Williams 405-255-3223	