



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 1,830 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	C L O S U R E		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

30-015-39371

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		
Magnetics:	Model Name	Sample Date	Declination
	IGRF2010	11/7/2011	7.98
			Dip Angle
			60.37
			Field Strength
			48,705

Design:	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			270.00

Survey Program	Date 11/28/2011		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	1,830.0	Gyro (Wellbore #1)	Good_gyro
1,926.0	6,925.0	MWD (Wellbore #1)	MWD default
			Description
			Good Gyro
			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 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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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:	Gnd
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

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

DDC Survey Report



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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

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: _____

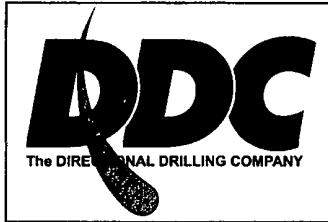
Company Name: Mewbourne Oil Co
Fast Draw 4 AD Fed Com #1H
Eddy County, New Mexico
Rig: Patterson UTI #101
Created By: Shane Robbins
Date: 11/28/2011

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	3437.0	Latitude	Longitude
0.0	0.0	Northings	454280.65	32° 36' 31.135 N	104° 28' 54.504 W

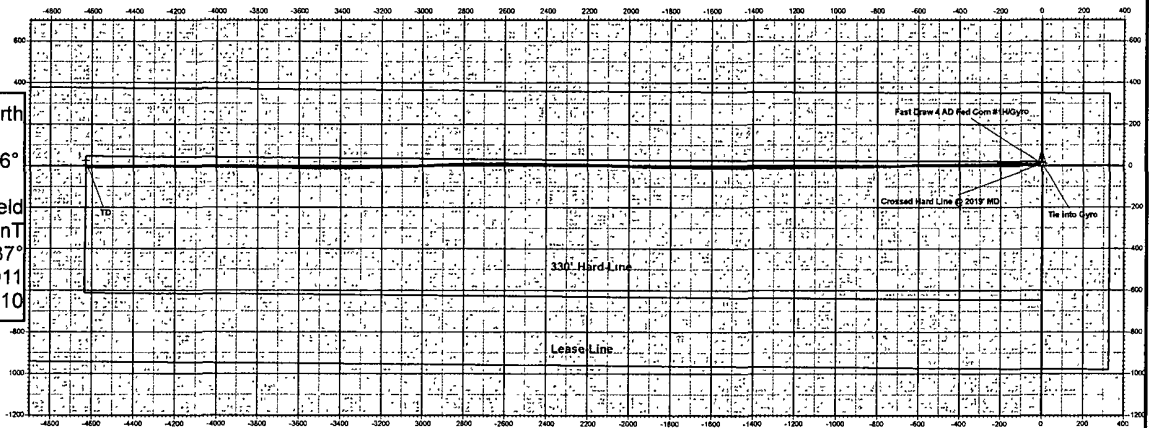
Mewbourne Oil Company



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



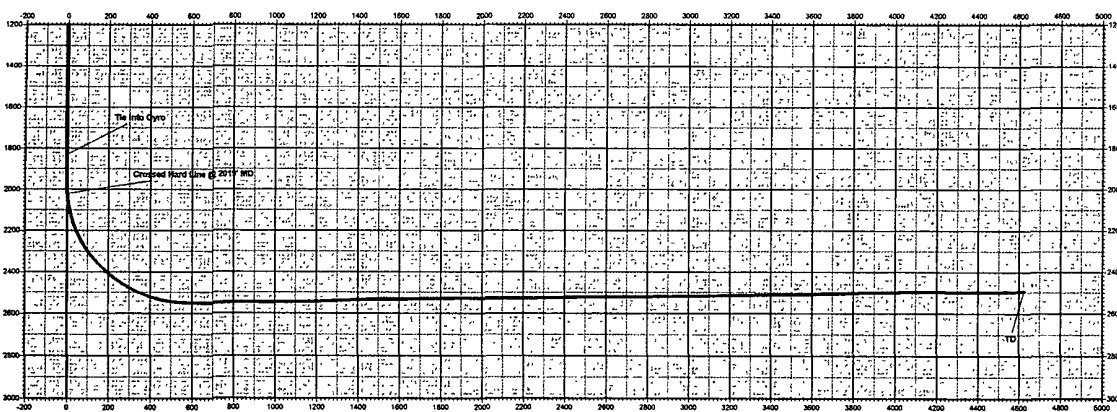
ANNOTATIONS

MD	Inc	Alt	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1830.0	5.60	280.80	1830.0	7.4	3.0	-3.0	10.9	Tie Into Gyro
2018.0	4.81	275.06	2018.9	8.2	-0.4	0.4	14.4	Crossed Hard Line @ 2019 MG
2226.0	80.80	268.30	2495.6	-7.7	-4521.4	4621.4	4636.6	TD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northings	Eastings	Latitude	Longitude
PBHL Fast Draw 4 AD Fed Com #1H	2493.0	24.8	-4630.7	505194.36	449649.95	32° 36' 31.111 N	104° 29' 48.842 W

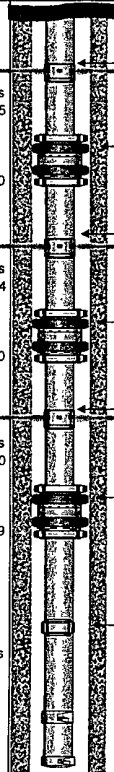
- plan hits target center



Vertical Section at 270 30° (200 usft/m)

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'						
TVD 2495 00'						
TOL 2646 51'						
101 36 bbls SNU0004839 Set @ 70'						
7" Shoe @ 2882 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	5.875"	4.750	2 82'	
					3.875	2 51'
			5.850"	3.850	0 95'	
			4 500"	4 000	3 10'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 6	4 500"	4 000	257 19'	
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)	5 630"	3.625	2 65'	
105 49 bbls EA0048427				3.840		
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500"	4 000	86 03'	
		6' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	6 11'	
MD 3007.87'		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)	5 750"	3.875	5 25'	
EA3012523		3' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	3 10'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500"	4 000	86 03'	
Stage 18 3102 25'		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)	5 630"	3.500	2 65'	
108 42 bbls EA1012192				3.840		
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 3	4 500"	4 000	129 03'	
		6' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	6 08'	
MD 3240 01'		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)	5 750"	3.875	5 25'	
EA3012489		3' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	3 09'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 3	4 500"	4 000	129 04'	
Stage 17 3377 39'		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)	5 630"	3.375	2 65'	
112.69 bbls EM0040803				3.840		
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500"	4 000	86 06'	
		6' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	6 09'	
MD 3472 19'		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)	5 750"	3.875	5 25'	
EA3012483		3' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	3 09'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 3	4 500"	4 000	129 07'	
Stage 16 3609 50'		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)	5 630"	3.250	2 65'	
116 29 bbls EM0043188				3.840		
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 3	4 500"	4 000	128 20'	
		6' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	6 09'	
MD 3746.54'		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)	5.750"	3.875	5 25'	
EA3012476		3' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	3 08'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500"	4 000	86 02'	
Stage 15 3840 69'		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)	5 630"	3.125	2.65'	
119 87 bbls EM0043186				3.840		
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 3	4 500"	4 000	128 17'	
		6' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	6 09'	
MD 3977 80'		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)	5 750"	3.875	5 25'	
EA3012488		3' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	3 08'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500"	4 000	86 01'	
Stage 14 4072 14'		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)	5 630"	3.000	2 65'	
123 46 bbls EM0043181				3.840		
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 3	4 500"	4 000	128 62'	
		6' x 4-1/2" 11 6# L-80 LTC Pup Joint	4 500"	4 000	6 06'	
MD 4209 47'		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)	5 750"	3.875	5 25'	
EA3012522		3' x 4-1/2" 11.6# L-80 LTC Pup Joint	4 500"	4 000	3 08'	
		4-1/2" 11.60# J-55 LTC LINER JOINTS: 2	4 500"	4 000	86 00'	
					1657 29'	
Service Center Midland, TX		Telephone 432-563-8024		Contact Keith Martin		
				Telephone Chad Williams 405-255-3223		

Packers Plus		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 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) 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: 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	5 630"	2.875 3.840	2 65'	
MD 4441 56' EA3012521			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) 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: 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	5 630"	2.750 3 840	2 65'	
MD 4629 96' EA3012478			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) 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: 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	5 630"	2.625 3.840	2 65'	
MD 4859 74' EA3012477			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) 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: 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	5 630"	2.500 3 840	2 65'	
MD 5091 87' EA3008495			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) 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: 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	5 630"	2.375 3.840	2 65'	
MD 5280 97' EA3008656			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) 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: 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	5 630"	2.250 3.840	2 65'	
MD 5512 66' EA3008663			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) 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: 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	5 630"	2.125 3.840	2 65'	
MD 5743 61' EA3008653			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) 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: 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	5 630"	2.000 3.840	2 65'	
MD 5932 71' EA3008477			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) 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"	1.875 3.840	2 65'	
MD 6164 45' EA3005668			4.500" 4.500" 5.750"	4.000 4.000 3.875	128 63' 6 10' 5.25'	
			4 500" 4 500"	4 000 4 000	3 05' 86 05' 1955 00'	
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		Company		Date			
Mr. Mickey Young		Mewbourne Oil Company		26-Nov-11			
Well Name		Type of Installation		Location			
Fast Draw -4- "AD" Fed Com #1H		19-Stage 4-1/2" StackFRAC® HD		Eddy County, NM			
Depth	Drawing	Description	OD(in)	ID(in)	Length		
Page 3 of 3							
Stage 4 6258 80' 157 35 bbls EM0040765		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	2 65'		
MD 6396 57' EA3004730			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		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	2 65'		
MD 6585 69' EA3005670			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		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	2 65'		
MD 6816 53' EA3005669			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		Customer 4-1/2" Pump Off Sub (Pinned above 4000 PSI)			2 93'		
Set @ 6913 00'					654 20'		
TD @ 6925 00'					4266 49'		
Service Center Telephone Contact Midland, TX 432-563-8024 Keith Martin			Telephone Chad Williams 405-255-3223				