



COMPANY: Mewbourne Oil Company
WELL: La Trucha 6 B1CV St Com 1H
COUNTY: Lea County N. M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 242



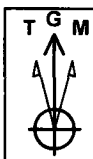
OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.25°

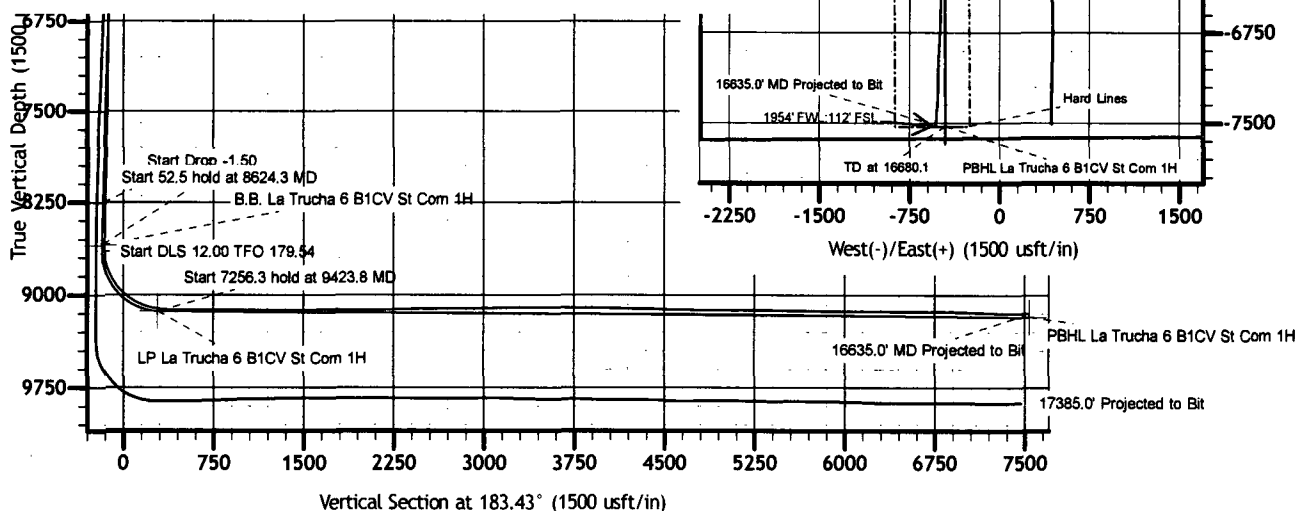
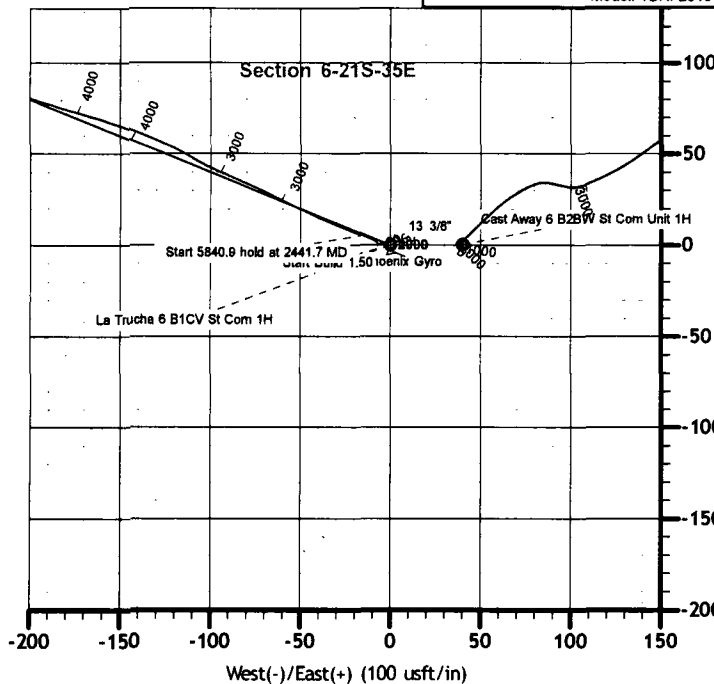
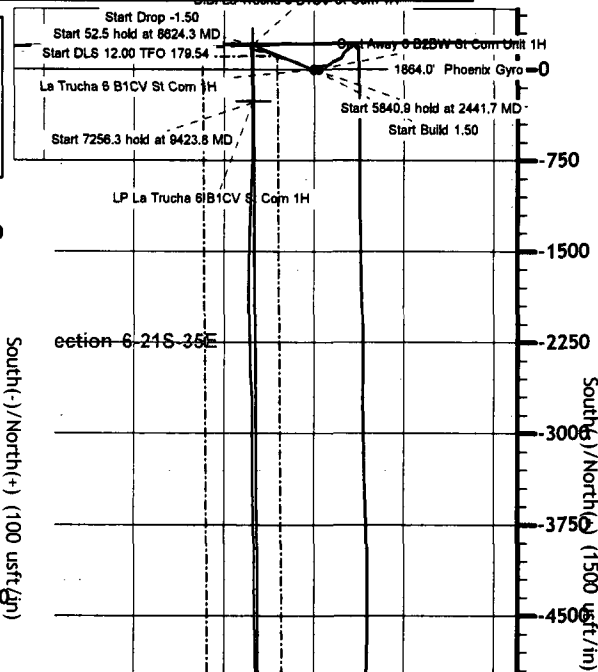
GEODETIC ZONE: New Mexico Eastern Zone											
3658 +27 @ 3685.Dustt (Patterson 242)											
GROUND ELEVATION: 3658.0											
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot					
0.0	0.0	554787.68	826972.67	32° 31' 18.324 N	103° 24' 23.850 W						
PLAN SECTIONS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	2100.0	0.00	0.00	2100.0	0.0	0.0	0.00	0.00	0.0		
3	2441.7	5.12	291.84	2441.2	5.7	-14.2	1.50	291.84	-4.8		
4	8262.6	5.12	291.84	8258.8	199.8	-498.5	0.00	0.00	-169.6		
5	8624.3	0.00	0.00	8600.0	205.4	-512.7	1.50	180.00	-174.4	B.B. La Trucha 6 B1CV St Com 1H	
6	8676.8	0.00	0.00	8652.5	205.4	-512.7	0.00	0.00	-174.4		
7	9423.8	89.64	179.54	9130.0	-269.1	-508.9	12.00	179.54	299.0		
8	16680.1	89.64	179.54	9175.0	-7524.9	-451.2	0.00	0.00	7538.5	PBHL La Trucha 6 B1CV St Com 1H	

HOBBS OCD
APR 04 2019
RECEIVED

SHL: 220 FNL; 2541' FWL
Section 6-21S-35E
PBHL: 100' FSL; 2030' FWL
Section 6-21S-35E



Azimuths to Grid North
True North: -0.50°
Magnetic North: 6.25°
Magnetic Field
Strength: 47982.4snT
Dip Angle: 60.34°
Date: 10/17/2018
Model: IGRF2015





Microsoft
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Lea County N. M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H			
Site Position:		Northing:	554,787.68 usft	Latitude: 32° 31' 18.324 N
From:	Map	Easting:	826,972.66 usft	Longitude: 103° 24' 23.850 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.50 °

Well	La Trucha 6 B1CV St Com 1H			
Well Position	+N/-S	0.0 usft	Northing:	554,787.68 usft
	+E/-W	0.0 usft	Easting:	826,972.66 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft
			Ground Level:	3,658.0 usft

Wellbore	Original Hole				
-----------------	---------------	--	--	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/17/18	6.75	60.34	47,992.41965566

Design	Original Hole			
---------------	---------------	--	--	--

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	291.91

Survey Program	Date 01/07/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,976.0	16,635.0	Survey (Original Hole)	MWD	MWD v3:standard declination

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,845.0	0.12	96.13	1,845.0	0.1	-7.2	6.7	0.00	0.00	0.00
1,976.0	0.50	27.20	1,976.0	0.6	-6.8	6.5	0.36	0.29	-52.62
2,071.0	1.70	313.70	2,071.0	1.9	-7.6	7.8	1.72	1.26	-77.37
2,165.0	4.70	291.30	2,164.8	4.3	-12.2	13.0	3.40	3.19	-23.83
2,260.0	6.10	290.50	2,259.4	7.5	-20.6	21.9	1.48	1.47	-0.84
2,449.0	6.50	293.90	2,447.2	15.3	-39.8	42.6	0.29	0.21	1.80
2,638.0	7.10	295.90	2,634.9	24.7	-60.1	65.0	0.34	0.32	1.06
2,827.0	5.60	293.60	2,822.7	33.5	-79.0	85.8	0.80	-0.79	-1.22
3,015.0	5.10	292.70	3,009.9	40.4	-95.1	103.4	0.27	-0.27	-0.48
3,202.0	5.00	300.70	3,196.2	47.8	-109.8	119.7	0.38	-0.05	4.28

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
3,389.0	5.00	294.00	3,382.5	55.3	-124.3	135.9	0.31	0.00	-3.58
3,577.0	4.90	291.70	3,569.8	61.6	-139.2	152.1	0.12	-0.05	-1.22
3,765.0	4.70	287.50	3,757.1	66.9	-154.0	167.8	0.22	-0.11	-2.23
3,953.0	5.00	286.20	3,944.5	71.5	-169.2	183.7	0.17	0.16	-0.69
4,142.0	5.00	286.40	4,132.7	76.1	-185.0	200.1	0.01	0.00	0.11
4,330.0	5.70	288.40	4,319.9	81.4	-201.8	217.5	0.39	0.37	1.06
4,519.0	6.30	294.00	4,507.9	88.5	-220.1	237.3	0.44	0.32	2.96
4,709.0	5.80	278.40	4,696.8	94.2	-239.2	257.0	0.90	-0.26	-8.21
4,897.0	5.80	284.30	4,883.9	97.9	-257.8	275.7	0.32	0.00	3.14
5,085.0	6.40	290.30	5,070.8	103.9	-276.8	295.6	0.47	0.32	3.19
5,265.0	4.60	290.00	5,250.0	109.8	-293.0	312.8	1.00	-1.00	-0.17
5,371.0	4.90	294.00	5,355.6	113.1	-301.1	321.6	0.42	0.28	3.77
5,560.0	5.30	294.00	5,543.9	120.0	-316.5	338.4	0.21	0.21	0.00
5,749.0	5.60	294.80	5,732.0	127.4	-332.8	356.3	0.16	0.16	0.42
5,937.0	4.70	294.20	5,919.2	134.4	-348.2	373.2	0.48	-0.48	-0.32
6,126.0	5.10	291.80	6,107.6	140.7	-363.0	389.3	0.24	0.21	-1.27
6,314.0	4.90	291.10	6,294.8	146.7	-378.3	405.7	0.11	-0.11	-0.37
6,502.0	4.60	290.70	6,482.2	152.2	-392.8	421.3	0.16	-0.16	-0.21
6,691.0	5.00	277.30	6,670.5	156.0	-408.1	436.8	0.63	0.21	-7.09
6,878.0	4.40	274.20	6,856.9	157.5	-423.3	451.5	0.35	-0.32	-1.66
7,067.0	3.70	272.30	7,045.4	158.3	-436.6	464.2	0.38	-0.37	-1.01
7,255.0	4.50	278.50	7,232.9	159.6	-450.0	477.1	0.49	0.43	3.30
7,442.0	3.20	280.40	7,419.5	161.7	-462.4	489.3	0.70	-0.70	1.02
7,628.0	5.20	283.50	7,605.0	164.6	-475.7	502.7	1.08	1.08	1.67
7,816.0	5.10	291.70	7,792.3	169.6	-491.7	519.5	0.39	-0.05	4.36
8,004.0	5.10	292.20	7,979.5	175.9	-507.2	536.2	0.02	0.00	0.27
8,192.0	3.70	291.10	8,167.0	181.2	-520.6	550.7	0.75	-0.74	-0.59
8,380.0	1.40	323.50	8,354.8	185.3	-527.7	558.7	1.40	-1.22	17.23
8,568.0	0.60	17.60	8,542.7	188.0	-528.7	560.7	0.61	-0.43	28.78
8,623.0	0.70	40.70	8,597.7	188.6	-528.4	560.6	0.51	0.18	42.00
8,625.5	0.70	42.68	8,600.3	188.6	-528.4	560.6	0.97	-0.19	78.22
B.B. La Trucha 6 B1CV St Com 1H									
8,653.0	0.70	64.70	8,627.7	188.8	-528.1	560.4	0.97	0.02	80.16
8,685.0	2.20	150.90	8,659.7	188.3	-527.7	559.8	7.07	4.69	269.38
8,716.0	6.80	166.50	8,690.6	186.0	-526.9	558.3	15.22	14.84	50.32
8,747.0	11.90	167.90	8,721.2	181.1	-525.8	555.5	16.47	16.45	4.52
8,779.0	16.70	168.80	8,752.2	173.4	-524.3	551.1	15.02	15.00	2.81
8,810.0	19.80	171.40	8,781.6	163.8	-522.6	546.0	10.34	10.00	8.39
8,841.0	23.30	173.50	8,810.5	152.5	-521.1	540.4	11.56	11.29	6.77
8,873.0	26.90	175.40	8,839.4	139.0	-519.8	534.2	11.53	11.25	5.94
8,904.0	29.70	176.90	8,866.7	124.4	-518.9	527.8	9.32	9.03	4.84
8,935.0	33.60	177.20	8,893.1	108.1	-518.0	521.0	12.59	12.58	0.97

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,966.0	37.70	178.30	8,918.3	90.1	-517.3	513.6	13.39	13.23	3.55
8,997.0	42.10	178.60	8,942.1	70.2	-516.8	505.7	14.21	14.19	0.97
9,028.0	45.50	179.00	8,964.4	48.7	-516.3	497.2	11.00	10.97	1.29
9,060.0	49.10	179.80	8,986.1	25.2	-516.1	488.2	11.40	11.25	2.50
9,091.0	52.80	179.60	9,005.7	1.2	-516.0	479.1	11.95	11.94	-0.65
9,122.0	56.10	179.10	9,023.7	-24.1	-515.7	469.5	10.73	10.65	-1.61
9,153.0	59.40	178.80	9,040.2	-50.3	-515.2	459.2	10.68	10.65	-0.97
9,185.0	62.40	178.90	9,055.8	-78.2	-514.6	448.3	9.38	9.38	0.31
9,216.0	65.40	179.80	9,069.4	-106.0	-514.3	437.6	10.02	9.68	2.90
9,237.0	68.10	180.40	9,077.7	-125.3	-514.4	430.4	13.12	12.86	2.86
9,302.0	74.20	180.60	9,098.7	-186.8	-514.9	408.0	9.39	9.38	0.31
9,365.0	83.10	181.00	9,111.1	-248.5	-515.8	385.8	14.14	14.13	0.63
9,372.5	83.42	180.95	9,112.0	-256.0	-515.9	383.1	4.30	4.26	-0.64
LP La Trucha 6 B1CV St Com 1H									
9,459.0	87.10	180.40	9,119.1	-342.2	-516.9	351.9	4.30	4.26	-0.64
9,553.0	90.20	180.00	9,121.3	-436.1	-517.2	317.2	3.33	3.30	-0.43
9,646.0	89.50	179.00	9,121.6	-529.1	-516.4	281.7	1.31	-0.75	-1.08
9,740.0	88.40	178.00	9,123.3	-623.1	-514.0	244.4	1.58	-1.17	-1.06
9,834.0	90.70	182.60	9,124.0	-717.0	-514.5	209.8	5.47	2.45	4.89
9,927.0	90.30	182.10	9,123.2	-809.9	-518.3	178.6	0.69	-0.43	-0.54
10,021.0	90.60	181.90	9,122.5	-903.9	-521.5	146.6	0.38	0.32	-0.21
10,115.0	90.20	181.90	9,121.8	-997.8	-524.7	114.5	0.43	-0.43	0.00
10,228.0	90.00	182.10	9,121.6	-1,110.8	-528.6	76.0	0.25	-0.18	0.18
10,321.0	89.50	182.00	9,122.0	-1,203.7	-531.9	44.4	0.55	-0.54	-0.11
10,415.0	89.30	182.40	9,123.0	-1,297.6	-535.5	12.7	0.48	-0.21	0.43
10,509.0	91.40	181.20	9,122.5	-1,391.6	-538.5	-19.6	2.57	2.23	-1.28
10,603.0	90.80	181.30	9,120.7	-1,485.5	-540.5	-52.8	0.65	-0.64	0.11
10,697.0	91.20	181.30	9,119.0	-1,579.5	-542.7	-85.9	0.43	0.43	0.00
10,791.0	89.30	180.80	9,118.6	-1,673.5	-544.4	-119.3	2.09	-2.02	-0.53
10,886.0	88.80	180.20	9,120.2	-1,768.4	-545.2	-154.0	0.82	-0.53	-0.63
10,980.0	88.00	179.70	9,122.8	-1,862.4	-545.1	-189.1	1.00	-0.85	-0.53
11,074.0	91.30	179.50	9,123.4	-1,956.4	-544.5	-224.8	3.52	3.51	-0.21
11,167.0	90.80	178.30	9,121.7	-2,049.4	-542.7	-261.2	1.40	-0.54	-1.29
11,261.0	91.10	177.20	9,120.1	-2,143.3	-539.0	-299.6	1.21	0.32	-1.17
11,356.0	93.50	178.80	9,116.3	-2,238.1	-535.7	-338.1	3.04	2.53	1.68
11,451.0	91.00	179.40	9,112.6	-2,333.0	-534.2	-374.9	2.71	-2.63	0.63
11,545.0	90.70	178.60	9,111.2	-2,427.0	-532.6	-411.5	0.91	-0.32	-0.85
11,639.0	90.90	177.50	9,109.9	-2,520.9	-529.4	-449.5	1.19	0.21	-1.17
11,733.0	89.50	176.30	9,109.5	-2,614.8	-524.3	-489.2	1.96	-1.49	-1.28
11,826.0	89.40	178.30	9,110.4	-2,707.7	-519.9	-527.9	2.15	-0.11	2.15
11,920.0	91.40	180.40	9,109.8	-2,801.7	-518.8	-564.0	3.08	2.13	2.23
12,015.0	91.30	179.10	9,107.5	-2,896.6	-518.4	-599.8	1.37	-0.11	-1.37
12,109.0	91.40	179.40	9,105.3	-2,990.6	-517.2	-636.0	0.34	0.11	0.32

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
12,203.0	91.80	179.30	9,102.7	-3,084.6	-516.1	-672.1	0.44	0.43	-0.11
12,297.0	90.00	179.80	9,101.2	-3,178.5	-515.4	-707.8	1.99	-1.91	0.53
12,391.0	90.40	179.80	9,100.9	-3,272.5	-515.1	-743.2	0.43	0.43	0.00
12,486.0	90.40	179.10	9,100.2	-3,367.5	-514.2	-779.5	0.74	0.00	-0.74
12,580.0	89.10	177.70	9,100.6	-3,461.5	-511.5	-817.0	2.03	-1.38	-1.49
12,674.0	91.40	179.20	9,100.2	-3,555.4	-509.0	-854.4	2.92	2.45	1.60
12,768.0	88.70	179.10	9,100.1	-3,649.4	-507.6	-890.8	2.87	-2.87	-0.11
12,862.0	88.90	179.00	9,102.1	-3,743.4	-506.0	-927.3	0.24	0.21	-0.11
12,956.0	89.50	179.10	9,103.4	-3,837.4	-504.5	-963.8	0.65	0.64	0.11
13,050.0	90.40	179.70	9,103.5	-3,931.4	-503.5	-999.8	1.15	0.96	0.64
13,144.0	89.90	180.00	9,103.3	-4,025.4	-503.2	-1,035.1	0.62	-0.53	0.32
13,238.0	86.00	179.40	9,106.6	-4,119.3	-502.8	-1,070.6	4.20	-4.15	-0.64
13,332.0	88.90	179.40	9,110.8	-4,213.2	-501.8	-1,106.5	3.09	3.09	0.00
13,426.0	89.60	179.50	9,112.0	-4,307.2	-500.9	-1,142.4	0.75	0.74	0.11
13,520.0	89.50	179.10	9,112.8	-4,401.2	-499.7	-1,178.6	0.44	-0.11	-0.43
13,613.0	89.30	178.80	9,113.7	-4,494.1	-498.0	-1,214.8	0.39	-0.22	-0.32
13,707.0	87.90	178.10	9,116.0	-4,588.1	-495.5	-1,252.2	1.67	-1.49	-0.74
13,801.0	89.20	178.60	9,118.4	-4,682.0	-492.8	-1,289.8	1.48	1.38	0.53
13,895.0	87.60	179.00	9,121.0	-4,775.9	-490.8	-1,326.7	1.75	-1.70	0.43
13,989.0	91.10	178.60	9,122.1	-4,869.9	-488.8	-1,363.6	3.75	3.72	-0.43
14,083.0	89.00	178.00	9,122.0	-4,963.8	-486.0	-1,401.2	2.32	-2.23	-0.64
14,178.0	91.30	179.70	9,121.8	-5,058.8	-484.1	-1,438.4	3.01	2.42	1.79
14,271.0	89.00	178.30	9,121.5	-5,151.8	-482.5	-1,474.6	2.90	-2.47	-1.51
14,365.0	89.20	177.40	9,123.0	-5,245.7	-479.0	-1,512.9	0.98	0.21	-0.96
14,460.0	90.80	176.80	9,123.0	-5,340.6	-474.2	-1,552.8	1.80	1.68	-0.63
14,553.0	89.30	176.30	9,122.9	-5,433.4	-468.6	-1,592.6	1.70	-1.61	-0.54
14,648.0	91.50	179.00	9,122.3	-5,528.3	-464.7	-1,631.6	3.67	2.32	2.84
14,742.0	88.20	179.00	9,122.5	-5,622.3	-463.1	-1,668.2	3.51	-3.51	0.00
14,836.0	87.80	180.40	9,125.8	-5,716.2	-462.6	-1,703.7	1.55	-0.43	1.49
14,930.0	89.00	182.60	9,128.4	-5,810.2	-465.0	-1,736.5	2.67	1.28	2.34
15,024.0	87.90	182.40	9,131.0	-5,904.0	-469.1	-1,767.7	1.19	-1.17	-0.21
15,118.0	91.10	182.80	9,131.8	-5,997.9	-473.4	-1,798.8	3.43	3.40	0.43
15,213.0	91.80	182.60	9,129.4	-6,092.8	-477.9	-1,830.0	0.77	0.74	-0.21
15,306.0	88.30	181.30	9,129.3	-6,185.7	-481.0	-1,861.8	4.01	-3.76	-1.40
15,401.0	89.90	181.90	9,130.8	-6,280.7	-483.7	-1,894.7	1.80	1.68	0.63
15,495.0	89.40	181.40	9,131.4	-6,374.6	-486.4	-1,927.3	0.75	-0.53	-0.53
15,589.0	89.20	181.80	9,132.5	-6,468.6	-489.0	-1,959.9	0.48	-0.21	0.43
15,683.0	89.80	181.90	9,133.3	-6,562.5	-492.0	-1,992.1	0.65	0.64	0.11
15,777.0	91.30	182.30	9,132.4	-6,656.5	-495.5	-2,024.0	1.65	1.60	0.43
15,871.0	90.00	182.40	9,131.4	-6,750.4	-499.3	-2,055.5	1.39	-1.38	0.11
15,965.0	88.80	182.60	9,132.4	-6,844.3	-503.4	-2,086.7	1.29	-1.28	0.21
16,059.0	90.30	182.70	9,133.1	-6,938.2	-507.8	-2,117.7	1.60	1.60	0.11

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
16,153.0	86.10	181.10	9,136.0	-7,032.0	-510.9	-2,149.8	4.78	-4.47	-1.70
16,248.0	88.30	180.10	9,140.7	-7,126.9	-511.9	-2,184.3	2.54	2.32	-1.05
16,342.0	87.50	181.30	9,144.1	-7,220.8	-513.0	-2,218.3	1.53	-0.85	1.28
16,436.0	87.30	183.40	9,148.4	-7,314.7	-516.9	-2,249.7	2.24	-0.21	2.23
16,530.0	90.30	184.20	9,150.4	-7,408.4	-523.1	-2,278.9	3.30	3.19	0.85
16,582.0	90.20	184.10	9,150.1	-7,460.3	-526.9	-2,294.8	0.27	-0.19	-0.19
16,635.0	90.20	184.10	9,149.9	-7,513.2	-530.7	-2,311.0	0.00	0.00	0.00

16635.0' MD Projected to Bit - PBHL La Trucha 6 B1CV St Com 1H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,635.0	9,149.9	-7,513.2	-530.7	16635.0' MD Projected to Bit



Mewbourne Oil Company

Lea County N. M. Nad (83)

Section 6-21S-35E LaTrucha 6 B1CV St Com 1H

La Trucha 6 B1CV St Com 1H

Original Hole

Design: Original Hole

Survey Report - Geographic

07 January, 2019



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Lea County N. M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site						Section 6-21S-35E LaTrucha 6 B1CV St Com 1H					
Site Position:				Northing:		554,787.68 usft		Latitude:		32° 31' 18.324 N	
From:		Map		Easting:		826,972.66 usft		Longitude:		103° 24' 23.850 W	
Position Uncertainty:		0.0 usft		Slot Radius:		13-3/16 "		Grid Convergence:		0.50 °	

Well	La Trucha 6 B1CV St Com 1H					
Well Position	+N/-S	0.0 usft	Northing:	554,787.68 usft	Latitude:	32° 31' 18.324 N
	+E/-W	0.0 usft	Easting:	826,972.66 usft	Longitude:	103° 24' 23.850 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	3,658.0 usft

Wellbore	Original Hole				
-----------------	---------------	--	--	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/17/18	6.75	60.34	47,992.41965566

Design	Original Hole				
---------------	---------------	--	--	--	--

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	291.91

Survey Program	Date 01/07/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,976.0	16,635.0	Survey (Original Hole)	MWD	MWD v3:standard declination

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,845.0	0.12	96.13	1,845.0	0.1	-7.2	554,787.76	826,965.45	32° 31' 18.325 N	103° 24' 23.934 W
1,976.0	0.50	27.20	1,976.0	0.6	-6.8	554,788.26	826,965.85	32° 31' 18.330 N	103° 24' 23.929 W
2,071.0	1.70	313.70	2,071.0	1.9	-7.6	554,789.60	826,965.02	32° 31' 18.343 N	103° 24' 23.939 W
2,165.0	4.70	291.30	2,164.8	4.3	-12.2	554,791.96	826,960.43	32° 31' 18.367 N	103° 24' 23.992 W
2,260.0	6.10	290.50	2,259.4	7.5	-20.6	554,795.14	826,952.07	32° 31' 18.399 N	103° 24' 24.090 W
2,449.0	6.50	293.90	2,447.2	15.3	-39.8	554,802.99	826,932.88	32° 31' 18.478 N	103° 24' 24.313 W
2,638.0	7.10	295.90	2,634.9	24.7	-60.1	554,812.43	826,912.60	32° 31' 18.574 N	103° 24' 24.549 W
2,827.0	5.60	293.60	2,822.7	33.5	-79.0	554,821.22	826,893.64	32° 31' 18.662 N	103° 24' 24.769 W
3,015.0	5.10	292.70	3,009.9	40.4	-95.1	554,828.12	826,877.52	32° 31' 18.732 N	103° 24' 24.957 W
3,202.0	5.00	300.70	3,196.2	47.8	-109.8	554,835.49	826,862.85	32° 31' 18.806 N	103° 24' 25.128 W
3,389.0	5.00	294.00	3,382.5	55.3	-124.3	554,842.96	826,848.40	32° 31' 18.881 N	103° 24' 25.296 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,577.0	4.90	291.70	3,569.8	61.6	-139.2	554,849.26	826,833.45	32° 31' 18.945 N	103° 24' 25.470 W
3,765.0	4.70	287.50	3,757.1	66.9	-154.0	554,854.55	826,818.65	32° 31' 18.998 N	103° 24' 25.642 W
3,953.0	5.00	286.20	3,944.5	71.5	-169.2	554,859.15	826,803.43	32° 31' 19.045 N	103° 24' 25.819 W
4,142.0	5.00	286.40	4,132.7	76.1	-185.0	554,863.77	826,787.62	32° 31' 19.092 N	103° 24' 26.003 W
4,330.0	5.70	288.40	4,319.9	81.4	-201.8	554,869.03	826,770.90	32° 31' 19.146 N	103° 24' 26.198 W
4,519.0	6.30	294.00	4,507.9	88.5	-220.1	554,876.22	826,752.52	32° 31' 19.218 N	103° 24' 26.412 W
4,709.0	5.80	278.40	4,696.8	94.2	-239.2	554,881.86	826,733.50	32° 31' 19.276 N	103° 24' 26.633 W
4,897.0	5.80	284.30	4,883.9	97.9	-257.8	554,885.59	826,714.90	32° 31' 19.314 N	103° 24' 26.850 W
5,085.0	6.40	290.30	5,070.8	103.9	-276.8	554,891.57	826,695.87	32° 31' 19.375 N	103° 24' 27.072 W
5,265.0	4.60	290.00	5,250.0	109.8	-293.0	554,897.52	826,679.67	32° 31' 19.436 N	103° 24' 27.261 W
5,371.0	4.90	294.00	5,355.6	113.1	-301.1	554,900.82	826,671.54	32° 31' 19.469 N	103° 24' 27.355 W
5,560.0	5.30	294.00	5,543.9	120.0	-316.5	554,907.65	826,656.20	32° 31' 19.538 N	103° 24' 27.534 W
5,749.0	5.60	294.80	5,732.0	127.4	-332.8	554,915.07	826,639.85	32° 31' 19.613 N	103° 24' 27.724 W
5,937.0	4.70	294.20	5,919.2	134.4	-348.2	554,922.08	826,624.50	32° 31' 19.683 N	103° 24' 27.902 W
6,126.0	5.10	291.80	6,107.6	140.7	-363.0	554,928.37	826,609.64	32° 31' 19.747 N	103° 24' 28.075 W
6,314.0	4.90	291.10	6,294.8	146.7	-378.3	554,934.36	826,594.39	32° 31' 19.807 N	103° 24' 28.253 W
6,502.0	4.60	290.70	6,482.2	152.2	-392.8	554,939.92	826,579.84	32° 31' 19.864 N	103° 24' 28.422 W
6,691.0	5.00	277.30	6,670.5	156.0	-408.1	554,943.64	826,564.58	32° 31' 19.902 N	103° 24' 28.600 W
6,878.0	4.40	274.20	6,856.9	157.5	-423.3	554,945.20	826,549.35	32° 31' 19.919 N	103° 24' 28.778 W
7,067.0	3.70	272.30	7,045.4	158.3	-436.6	554,945.98	826,536.02	32° 31' 19.927 N	103° 24' 28.933 W
7,255.0	4.50	278.50	7,232.9	159.6	-450.0	554,947.31	826,522.67	32° 31' 19.942 N	103° 24' 29.089 W
7,442.0	3.20	280.40	7,419.5	161.7	-462.4	554,949.34	826,510.28	32° 31' 19.963 N	103° 24' 29.234 W
7,628.0	5.20	283.50	7,605.0	164.6	-475.7	554,952.25	826,496.97	32° 31' 19.993 N	103° 24' 29.389 W
7,816.0	5.10	291.70	7,792.3	169.6	-491.7	554,957.32	826,480.93	32° 31' 20.044 N	103° 24' 29.576 W
8,004.0	5.10	292.20	7,979.5	175.9	-507.2	554,963.57	826,465.42	32° 31' 20.107 N	103° 24' 29.756 W
8,192.0	3.70	291.10	8,167.0	181.2	-520.6	554,968.91	826,452.03	32° 31' 20.161 N	103° 24' 29.912 W
8,380.0	1.40	323.50	8,354.8	185.3	-527.7	554,972.94	826,445.00	32° 31' 20.202 N	103° 24' 29.993 W
8,568.0	0.60	17.60	8,542.7	188.0	-528.7	554,975.73	826,443.93	32° 31' 20.230 N	103° 24' 30.006 W
8,623.0	0.70	40.70	8,597.7	188.6	-528.4	554,976.26	826,444.24	32° 31' 20.235 N	103° 24' 30.002 W
8,625.5	0.70	42.68	8,600.3	188.6	-528.4	554,976.28	826,444.26	32° 31' 20.235 N	103° 24' 30.002 W
B.B. La Trucha 6 B1CV St Com 1H									
8,653.0	0.70	64.70	8,627.7	188.8	-528.1	554,976.47	826,444.52	32° 31' 20.237 N	103° 24' 29.999 W
8,685.0	2.20	150.90	8,659.7	188.3	-527.7	554,976.02	826,445.00	32° 31' 20.232 N	103° 24' 29.993 W
8,716.0	6.80	166.50	8,690.6	186.0	-526.9	554,973.72	826,445.72	32° 31' 20.210 N	103° 24' 29.985 W
8,747.0	11.90	167.90	8,721.2	181.1	-525.8	554,968.80	826,446.82	32° 31' 20.161 N	103° 24' 29.973 W
8,779.0	16.70	168.80	8,752.2	173.4	-524.3	554,961.06	826,448.40	32° 31' 20.084 N	103° 24' 29.955 W
8,810.0	19.80	171.40	8,781.6	163.8	-522.6	554,951.50	826,450.05	32° 31' 19.989 N	103° 24' 29.937 W
8,841.0	23.30	173.50	8,810.5	152.5	-521.1	554,940.21	826,451.53	32° 31' 19.878 N	103° 24' 29.921 W
8,873.0	26.90	175.40	8,839.4	139.0	-519.8	554,926.70	826,452.83	32° 31' 19.744 N	103° 24' 29.907 W
8,904.0	29.70	176.90	8,866.7	124.4	-518.9	554,912.04	826,453.81	32° 31' 19.599 N	103° 24' 29.897 W
8,935.0	33.60	177.20	8,893.1	108.1	-518.0	554,895.80	826,454.64	32° 31' 19.438 N	103° 24' 29.889 W
8,966.0	37.70	178.30	8,918.3	90.1	-517.3	554,877.75	826,455.34	32° 31' 19.259 N	103° 24' 29.882 W
8,997.0	42.10	178.60	8,942.1	70.2	-516.8	554,857.88	826,455.88	32° 31' 19.063 N	103° 24' 29.878 W
9,028.0	45.50	179.00	8,964.4	48.7	-516.3	554,836.43	826,456.33	32° 31' 18.850 N	103° 24' 29.875 W
9,060.0	49.10	179.80	8,986.1	25.2	-516.1	554,812.92	826,456.57	32° 31' 18.618 N	103° 24' 29.875 W
9,091.0	52.80	179.60	9,005.7	1.2	-516.0	554,788.85	826,456.69	32° 31' 18.379 N	103° 24' 29.876 W
9,122.0	56.10	179.10	9,023.7	-24.1	-515.7	554,763.63	826,456.98	32° 31' 18.130 N	103° 24' 29.875 W
9,153.0	59.40	178.80	9,040.2	-50.3	-515.2	554,737.42	826,457.46	32° 31' 17.871 N	103° 24' 29.872 W
9,185.0	62.40	178.90	9,055.8	-78.2	-514.6	554,709.47	826,458.03	32° 31' 17.594 N	103° 24' 29.868 W
9,216.0	65.40	179.80	9,069.4	-106.0	-514.3	554,681.64	826,458.34	32° 31' 17.319 N	103° 24' 29.867 W
9,237.0	68.10	180.40	9,077.7	-125.3	-514.4	554,662.34	826,458.30	32° 31' 17.128 N	103° 24' 29.870 W
9,302.0	74.20	180.60	9,098.7	-186.8	-514.9	554,600.86	826,457.77	32° 31' 16.519 N	103° 24' 29.882 W
9,365.0	83.10	181.00	9,111.1	-248.5	-515.8	554,539.16	826,456.90	32° 31' 15.909 N	103° 24' 29.899 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,372.5	83.42	180.95	9,112.0	-256.0	-515.9	554,531.67	826,456.77	32° 31' 15.835 N	103° 24' 29.901 W
LP La Trucha 6 B1CV St Com 1H									
9,459.0	87.10	180.40	9,119.1	-342.2	-516.9	554,445.53	826,455.76	32° 31' 14.983 N	103° 24' 29.921 W
9,553.0	90.20	180.00	9,121.3	-436.1	-517.2	554,351.57	826,455.43	32° 31' 14.053 N	103° 24' 29.935 W
9,646.0	89.50	179.00	9,121.6	-529.1	-516.4	554,258.57	826,456.24	32° 31' 13.133 N	103° 24' 29.935 W
9,740.0	88.40	178.00	9,123.3	-623.1	-514.0	554,164.63	826,458.70	32° 31' 12.203 N	103° 24' 29.915 W
9,834.0	90.70	182.60	9,124.0	-717.0	-514.5	554,070.66	826,458.21	32° 31' 11.273 N	103° 24' 29.931 W
9,927.0	90.30	182.10	9,123.2	-809.9	-518.3	553,977.74	826,454.40	32° 31' 10.354 N	103° 24' 29.985 W
10,021.0	90.60	181.90	9,122.5	-903.9	-521.5	553,883.80	826,451.12	32° 31' 9.425 N	103° 24' 30.032 W
10,115.0	90.20	181.90	9,121.8	-997.8	-524.7	553,789.86	826,448.00	32° 31' 8.496 N	103° 24' 30.078 W
10,228.0	90.00	182.10	9,121.6	-1,110.8	-528.6	553,676.93	826,444.06	32° 31' 7.379 N	103° 24' 30.136 W
10,321.0	89.50	182.00	9,122.0	-1,203.7	-531.9	553,583.99	826,440.73	32° 31' 6.460 N	103° 24' 30.184 W
10,415.0	89.30	182.40	9,123.0	-1,297.6	-535.5	553,490.06	826,437.12	32° 31' 5.531 N	103° 24' 30.236 W
10,509.0	91.40	181.20	9,122.5	-1,391.6	-538.5	553,396.12	826,434.17	32° 31' 4.601 N	103° 24' 30.280 W
10,603.0	90.80	181.30	9,120.7	-1,485.5	-540.5	553,302.16	826,432.12	32° 31' 3.672 N	103° 24' 30.313 W
10,697.0	91.20	181.30	9,119.0	-1,579.5	-542.7	553,208.20	826,429.99	32° 31' 2.742 N	103° 24' 30.348 W
10,791.0	89.30	180.80	9,118.6	-1,673.5	-544.4	553,114.22	826,428.26	32° 31' 1.813 N	103° 24' 30.377 W
10,886.0	88.80	180.20	9,120.2	-1,768.4	-545.2	553,019.23	826,427.43	32° 31' 0.873 N	103° 24' 30.397 W
10,980.0	88.00	179.70	9,122.8	-1,862.4	-545.1	552,925.27	826,427.52	32° 30' 59.943 N	103° 24' 30.405 W
11,074.0	91.30	179.50	9,123.4	-1,956.4	-544.5	552,831.29	826,428.17	32° 30' 59.013 N	103° 24' 30.407 W
11,167.0	90.80	178.30	9,121.7	-2,049.4	-542.7	552,738.32	826,429.96	32° 30' 58.093 N	103° 24' 30.396 W
11,261.0	91.10	177.20	9,120.1	-2,143.3	-539.0	552,644.41	826,433.65	32° 30' 57.164 N	103° 24' 30.362 W
11,356.0	93.50	178.80	9,116.3	-2,238.1	-535.7	552,549.56	826,436.96	32° 30' 56.225 N	103° 24' 30.333 W
11,451.0	91.00	179.40	9,112.6	-2,333.0	-534.2	552,454.65	826,438.45	32° 30' 55.286 N	103° 24' 30.325 W
11,545.0	90.70	178.60	9,111.2	-2,427.0	-532.6	552,360.67	826,440.09	32° 30' 54.356 N	103° 24' 30.316 W
11,639.0	90.90	177.50	9,109.9	-2,520.9	-529.4	552,266.74	826,443.29	32° 30' 53.426 N	103° 24' 30.288 W
11,733.0	89.50	176.30	9,109.5	-2,614.8	-524.3	552,172.88	826,448.37	32° 30' 52.497 N	103° 24' 30.238 W
11,826.0	89.40	178.30	9,110.4	-2,707.7	-519.9	552,079.99	826,452.75	32° 30' 51.578 N	103° 24' 30.196 W
11,920.0	91.40	180.40	9,109.8	-2,801.7	-518.8	551,986.01	826,453.82	32° 30' 50.648 N	103° 24' 30.193 W
12,015.0	91.30	179.10	9,107.5	-2,896.6	-518.4	551,891.04	826,454.23	32° 30' 49.708 N	103° 24' 30.198 W
12,109.0	91.40	179.40	9,105.3	-2,990.6	-517.2	551,797.08	826,455.46	32° 30' 48.778 N	103° 24' 30.193 W
12,203.0	91.80	179.30	9,102.7	-3,084.6	-516.1	551,703.12	826,456.53	32° 30' 47.848 N	103° 24' 30.190 W
12,297.0	90.00	179.80	9,101.2	-3,178.5	-515.4	551,609.14	826,457.27	32° 30' 46.918 N	103° 24' 30.191 W
12,391.0	90.40	179.80	9,100.9	-3,272.5	-515.1	551,515.14	826,457.60	32° 30' 45.988 N	103° 24' 30.197 W
12,486.0	90.40	179.10	9,100.2	-3,367.5	-514.2	551,420.15	826,458.51	32° 30' 45.048 N	103° 24' 30.196 W
12,580.0	89.10	177.70	9,100.6	-3,461.5	-511.5	551,326.19	826,461.13	32° 30' 44.118 N	103° 24' 30.175 W
12,674.0	91.40	179.20	9,100.2	-3,555.4	-509.0	551,232.23	826,463.68	32° 30' 43.189 N	103° 24' 30.155 W
12,768.0	88.70	179.10	9,100.1	-3,649.4	-507.6	551,138.25	826,465.07	32° 30' 42.259 N	103° 24' 30.148 W
12,862.0	88.90	179.00	9,102.1	-3,743.4	-506.0	551,044.28	826,466.63	32° 30' 41.329 N	103° 24' 30.139 W
12,956.0	89.50	179.10	9,103.4	-3,837.4	-504.5	550,950.31	826,468.19	32° 30' 40.399 N	103° 24' 30.130 W
13,050.0	90.40	179.70	9,103.5	-3,931.4	-503.5	550,856.31	826,469.17	32° 30' 39.469 N	103° 24' 30.128 W
13,144.0	89.90	180.00	9,103.3	-4,025.4	-503.2	550,762.31	826,469.42	32° 30' 38.539 N	103° 24' 30.135 W
13,238.0	86.00	179.40	9,106.6	-4,119.3	-502.8	550,668.39	826,469.91	32° 30' 37.609 N	103° 24' 30.139 W
13,332.0	88.90	179.40	9,110.8	-4,213.2	-501.8	550,574.50	826,470.89	32° 30' 36.680 N	103° 24' 30.137 W
13,426.0	89.60	179.50	9,112.0	-4,307.2	-500.9	550,480.52	826,471.79	32° 30' 35.750 N	103° 24' 30.136 W
13,520.0	89.50	179.10	9,112.8	-4,401.2	-499.7	550,386.53	826,472.94	32° 30' 34.820 N	103° 24' 30.132 W
13,613.0	89.30	178.80	9,113.7	-4,494.1	-498.0	550,293.55	826,474.65	32° 30' 33.900 N	103° 24' 30.122 W
13,707.0	87.90	178.10	9,116.0	-4,588.1	-495.5	550,199.61	826,477.19	32° 30' 32.970 N	103° 24' 30.101 W
13,801.0	89.20	178.60	9,118.4	-4,682.0	-492.8	550,105.68	826,479.89	32° 30' 32.041 N	103° 24' 30.079 W
13,895.0	87.60	179.00	9,121.0	-4,775.9	-490.8	550,011.74	826,481.86	32° 30' 31.111 N	103° 24' 30.066 W
13,989.0	91.10	178.60	9,122.1	-4,869.9	-488.8	549,917.79	826,483.83	32° 30' 30.181 N	103° 24' 30.052 W
14,083.0	89.00	178.00	9,122.0	-4,963.8	-486.0	549,823.83	826,486.62	32° 30' 29.251 N	103° 24' 30.029 W
14,178.0	91.30	179.70	9,121.8	-5,058.8	-484.1	549,728.86	826,488.52	32° 30' 28.312 N	103° 24' 30.017 W
14,271.0	89.00	178.30	9,121.5	-5,151.8	-482.5	549,635.89	826,490.15	32° 30' 27.392 N	103° 24' 30.007 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,365.0	89.20	177.40	9,123.0	-5,245.7	-479.0	549,541.96	826,493.67	32° 30' 26.462 N	103° 24' 29.976 W
14,460.0	90.80	176.80	9,123.0	-5,340.6	-474.2	549,447.09	826,498.48	32° 30' 25.523 N	103° 24' 29.929 W
14,553.0	89.30	176.30	9,122.9	-5,433.4	-468.6	549,354.26	826,504.08	32° 30' 24.604 N	103° 24' 29.873 W
14,648.0	91.50	179.00	9,122.3	-5,528.3	-464.7	549,259.36	826,507.97	32° 30' 23.665 N	103° 24' 29.837 W
14,742.0	88.20	179.00	9,122.5	-5,622.3	-463.1	549,165.38	826,509.61	32° 30' 22.735 N	103° 24' 29.828 W
14,836.0	87.80	180.40	9,125.8	-5,716.2	-462.6	549,071.45	826,510.10	32° 30' 21.805 N	103° 24' 29.831 W
14,930.0	89.00	182.60	9,128.4	-5,810.2	-465.0	548,977.52	826,507.64	32° 30' 20.876 N	103° 24' 29.870 W
15,024.0	87.90	182.40	9,131.0	-5,904.0	-469.1	548,883.65	826,503.54	32° 30' 19.948 N	103° 24' 29.927 W
15,118.0	91.10	182.80	9,131.8	-5,997.9	-473.4	548,789.76	826,499.28	32° 30' 19.019 N	103° 24' 29.986 W
15,213.0	91.80	182.60	9,129.4	-6,092.8	-477.9	548,694.90	826,494.81	32° 30' 18.081 N	103° 24' 30.048 W
15,306.0	88.30	181.30	9,129.3	-6,185.7	-481.0	548,601.97	826,491.64	32° 30' 17.162 N	103° 24' 30.094 W
15,401.0	89.90	181.90	9,130.8	-6,280.7	-483.7	548,507.02	826,488.99	32° 30' 16.222 N	103° 24' 30.135 W
15,495.0	89.40	181.40	9,131.4	-6,374.6	-486.4	548,413.06	826,486.28	32° 30' 15.293 N	103° 24' 30.176 W
15,589.0	89.20	181.80	9,132.5	-6,468.6	-489.0	548,319.10	826,483.66	32° 30' 14.363 N	103° 24' 30.216 W
15,683.0	89.80	181.90	9,133.3	-6,562.5	-492.0	548,225.16	826,480.63	32° 30' 13.434 N	103° 24' 30.261 W
15,777.0	91.30	182.30	9,132.4	-6,656.5	-495.5	548,131.23	826,477.18	32° 30' 12.505 N	103° 24' 30.311 W
15,871.0	90.00	182.40	9,131.4	-6,750.4	-499.3	548,037.32	826,473.33	32° 30' 11.576 N	103° 24' 30.366 W
15,965.0	88.80	182.60	9,132.4	-6,844.3	-503.4	547,943.41	826,469.23	32° 30' 10.647 N	103° 24' 30.423 W
16,059.0	90.30	182.70	9,133.1	-6,938.2	-507.8	547,849.52	826,464.88	32° 30' 9.719 N	103° 24' 30.483 W
16,153.0	86.10	181.10	9,136.0	-7,032.0	-510.9	547,755.64	826,461.77	32° 30' 8.790 N	103° 24' 30.529 W
16,248.0	88.30	180.10	9,140.7	-7,126.9	-511.9	547,660.77	826,460.77	32° 30' 7.852 N	103° 24' 30.550 W
16,342.0	87.50	181.30	9,144.1	-7,220.8	-513.0	547,566.84	826,459.63	32° 30' 6.922 N	103° 24' 30.573 W
16,436.0	87.30	183.40	9,148.4	-7,314.7	-516.9	547,473.02	826,455.78	32° 30' 5.994 N	103° 24' 30.628 W
16,530.0	90.30	184.20	9,150.4	-7,408.4	-523.1	547,379.26	826,449.55	32° 30' 5.067 N	103° 24' 30.710 W
16,582.0	90.20	184.10	9,150.1	-7,460.3	-526.9	547,327.39	826,445.78	32° 30' 4.554 N	103° 24' 30.759 W
16,635.0	90.20	184.10	9,149.9	-7,513.2	-530.7	547,274.53	826,441.99	32° 30' 4.032 N	103° 24' 30.809 W

16635.0' MD Projected to Bit - PBHL La Trucha 6 B1CV St Com 1H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,635.0	9,149.9	-7,513.2	-530.7	16635.0' MD Projected to Bit

STRYKER

DIRECTIONAL

January 25, 2019

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

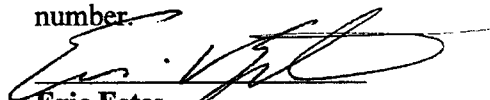
Attn: Jackie Lathan

Re: Mewbourne Oil Company
La Trucha 6 B1CV State Com #001H
Wilson; Bone Spring, North
Lea County, New Mexico
API# 30-025-45090

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Greg Morris	Original Hole	1,976ft. to 16,582ft.	12-14-18 to 01-07-19	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Eric Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\La Trucha 6 B1CV State Com #1H\M181143

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



January 25, 2019

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of December 14, 2018, through January 7, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,976feet to a depth of 16,582feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the La Trucha 6 B1CV State Com #001H, well API # 30-025-45090 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



SIGN IN HELP

Wells Operator Data

OCD Permitting

[Home](#) > [Wells](#) > [Well Details](#)

30-025-45090 LA TRUCHA 6 B1CV STATE COM #001H [322240]

General Well Information

Operator: [14744] MEWBOURNE OIL CO
Status: New Direction: Horizontal
Well Type: Oil Multi-Lateral: No
Work Type: New Mineral Owner: State
Surface Owner: State
Surface Location: C-06-21S-35E Lot: 3 220 FNL 2540 FNL
Lat/Long: 32.5217566,-103.4066283 NAD83
GL Elevation: 3658
KB Elevation: Sing/Mult Compl: Single
DF Elevation: Potash Waiver: False

Proposed Formation and/or Notes

1ST BONE SPRING SAND

Depths

Proposed: 16506 Total Vertical Depth: 0
Measured Vertical Depth: 0 Plugback Measured: 0

Formation Tops

Formation	Top	Producing	Method Obtained
-----------	-----	-----------	-----------------

Event Dates

Initial APD Approval: 08/16/2018
Most Recent APD Approval: 08/16/2018 Current APD Expiration: 08/16/2020
APD Cancellation:
APD Extension Approval:
Spud: Gas Capture Plan Received: 08/14/2018
Approved Temporary TA Expiration:
Abandonment:
Shut In:
Plug and Abandoned Intent PNR Expiration:
Received: Last MIT/BHT:
Well Plugged:
Site Release:
Last Inspection:

History

Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
08/16/2018	[322240] LA TRUCHA 6 B1CV STATE COM	#001H	[14744] MEWBOURNE OIL CO	New	Oil	New		

Comments

Operator

General Contact Information

Company: [14744] MEWBOURNE OIL CO Main Phone: 575-393-5905
Address: P.O. Box 5270 Main Fax: 575-363-7259
Hobbs, NM 88241
Country: U.S.A.

Quick Links

- [General Well Information](#)
- [History](#)
- [Comments](#)
- [Operator](#)
- [Pits](#)
- [Casing](#)
- [Well Completions](#)
- [Financial Assurance](#)
- [Compliance](#)
- [Complaints, Incidents and Seals](#)
- [Orders](#)
- [Production](#)
- [Transporters](#)
- [Points of Disposition](#)

Associated Images

- [Well Files](#)
- [Well Logs](#)
- [Administrative Orders](#)

New Searches

- [New Well Search](#)



SIGN IN HELP

Wells Operator Data

Hobbs Contact

Name: Robin Terrell Phone Number: 575-393-5905
Title: Cell Number: 575-390-4816
E-Mail Address: rterrell@mewbourne.com Fax Number: 575-393-7259

Artesia Contact

Name: Robin Terrell Phone Number: 575-393-5905
Title: Cell Number: 575-390-4816
E-Mail Address: rterrell@mewbourne.com Fax Number: 575-393-7259

Pits**Pit On Site: Number 1**

Pit Type: Closed Loop Status: Active
Registration Denied:
Closure Approved:
Closure Denied:

Event Dates

Registered: Approved: 08/16/2018
Open: 08/16/2018 Closed (most recent rig release):

Casing

No Casing Found

Well Completions**[97704] WILSON; BONE SPRING, NORTH**

Status: New, Not Drilled Last Produced:
Bottomhole Location: N-06-21S-35E 100 FSL 2030 FWL
Lat/Long:
Acreage: 237.53 06-21S-35E Units: C(11) C(3) F(14) K N
DHC: No Consolidation Code:
Production Method:

Well Test Data

Production Test: Test Length: 0 hours
Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi
Choke Size: 0.000 inches Testing Method:
Gas Volume: 0.0 MCF Oil Volume: 0.0 bbls
Gas-Oil Ratio: 0 Kcf / bbl Oil Gravity: 0.0 Corr. API
Disposition of Gas: Water Volume: 0.0 bbls

Perforations

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom Measured Depth (End of Lateral)	Top Vertical Depth	Bottom Vertical Depth
------	--	--	--------------------	--------------------------

Notes**Event Dates**

Initial Effective/Approval: 08/16/2018
Most Recent Approval: 08/16/2018
Confidential Requested On:
Test Allowable Approval:
TD Reached:
Deviation Report Received: No
Directional Survey Run: No
Directional Survey Received: No
First Oil Production:
First Injection:
Ready to Produce:
C-104 Approval:
Plug Back:

TA Expiration:
Confidential Until:
Test Allowable End:
DHC:
Rig Released:
Logs Received: No
Closure Pit Plat Received:
First Gas Production:
Completion Report Received:
New Well C-104 Approval:



Microsoft
MWD Surveys



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well La Trucha 6 B1CV St Com 1H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Site:	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H	MD Reference:	3658 +27 @ 3685.0usft (Patterson 242)
Well:	La Trucha 6 B1CV St Com 1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Lea County N. M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Section 6-21S-35E LaTrucha 6 B1CV St Com 1H		
Site Position:		Northing:	554,787.68 usft
From:	Map	Easting:	826,972.67 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 31' 18.324 N
		Longitude:	103° 24' 23.850 W
		Grid Convergence:	0.50 °

Well	La Trucha 6 B1CV St Com 1H					
Well Position	+N/-S	0.0 usft	Northing:	554,787.68 usft	Latitude:	32° 31' 18.324 N
	+E/-W	0.0 usft	Easting:	826,972.67 usft	Longitude:	103° 24' 23.850 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft	Ground Level:	3,658.0 usft

Wellbore	Original Hole		
----------	---------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/17/18	6.75	60.34	47,992.41965566

Design	Original Hole		
--------	---------------	--	--

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	291.91	

Survey Program		Date 01/07/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,976.0	16,635.0	Survey (Original Hole)	MWD	MWD v3:standard declination

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 6-21S-35E LaTrucha 6 B1CV St Com 1H
Well: La Trucha 6 B1CV St Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well La Trucha 6 B1CV St Com 1H
TVD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
MD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
1,845.0	0.12	96.13	1,845.0	1,840.0	0.1	-7.2	7.2	270.64	Tie-In
1,976.0	0.50	27.20	1,976.0	1,709.0	0.6	-6.8	6.8	274.81	
2,071.0	1.70	313.70	2,071.0	1,614.0	1.9	-7.6	7.9	284.08	
2,165.0	4.70	291.30	2,164.8	1,520.2	4.3	-12.2	13.0	289.27	
2,260.0	6.10	290.50	2,259.4	1,425.6	7.5	-20.6	21.9	289.91	
2,449.0	6.50	293.90	2,447.2	1,237.8	15.3	-39.8	42.6	291.05	
2,638.0	7.10	295.90	2,634.9	1,050.1	24.7	-60.1	65.0	292.39	
2,827.0	5.60	293.60	2,822.7	862.3	33.5	-79.0	85.9	293.00	
3,015.0	5.10	292.70	3,009.9	675.1	40.4	-95.1	103.4	293.03	
3,202.0	5.00	300.70	3,196.2	488.8	47.8	-109.8	119.8	293.53	
3,389.0	5.00	294.00	3,382.5	302.5	55.3	-124.3	136.0	293.98	
3,577.0	4.90	291.70	3,569.8	115.2	61.6	-139.2	152.2	293.86	
3,765.0	4.70	287.50	3,757.1	-72.1	66.9	-154.0	167.9	293.47	
3,953.0	5.00	286.20	3,944.5	-259.5	71.5	-169.2	183.7	292.90	
4,142.0	5.00	286.40	4,132.7	-447.7	76.1	-185.0	200.1	292.35	
4,330.0	5.70	288.40	4,319.9	-634.9	81.4	-201.8	217.5	291.96	
4,519.0	6.30	294.00	4,507.9	-822.9	88.5	-220.1	237.3	291.91	
4,709.0	5.80	278.40	4,696.8	-1,011.8	94.2	-239.2	257.0	291.49	
4,897.0	5.80	284.30	4,883.9	-1,198.9	97.9	-257.8	275.7	290.80	
5,085.0	6.40	290.30	5,070.8	-1,385.8	103.9	-276.8	295.7	290.57	
5,265.0	4.60	290.00	5,250.0	-1,565.0	109.8	-293.0	312.9	290.55	
5,371.0	4.90	294.00	5,355.6	-1,670.6	113.1	-301.1	321.7	290.59	
5,560.0	5.30	294.00	5,543.9	-1,858.9	120.0	-316.5	338.4	290.76	
5,749.0	5.60	294.80	5,732.0	-2,047.0	127.4	-332.8	356.4	290.95	
5,937.0	4.70	294.20	5,919.2	-2,234.2	134.4	-348.2	373.2	291.11	
6,126.0	5.10	291.80	6,107.6	-2,422.6	140.7	-363.0	389.3	291.18	
6,314.0	4.90	291.10	6,294.8	-2,609.8	146.7	-378.3	405.7	291.19	

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 6-21S-35E LaTrucha 6 B1CV St Com 1H
Well: La Trucha 6 B1CV St Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well La Trucha 6 B1CV St Com 1H
TVD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
MD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
6,502.0	4.60	290.70	6,482.2	-2,797.2	152.2	-392.8	421.3	291.18
6,691.0	5.00	277.30	6,670.5	-2,985.5	156.0	-408.1	436.9	290.92
6,878.0	4.40	274.20	6,856.9	-3,171.9	157.5	-423.3	451.7	290.41
7,067.0	3.70	272.30	7,045.4	-3,360.4	158.3	-436.6	464.5	289.93
7,255.0	4.50	278.50	7,232.9	-3,547.9	159.6	-450.0	477.5	289.53
7,442.0	3.20	280.40	7,419.5	-3,734.5	161.7	-462.4	489.8	289.27
7,628.0	5.20	283.50	7,605.0	-3,920.0	164.6	-475.7	503.4	289.08
7,816.0	5.10	291.70	7,792.3	-4,107.3	169.6	-491.7	520.2	289.03
8,004.0	5.10	292.20	7,979.5	-4,294.5	175.9	-507.2	536.9	289.12
8,192.0	3.70	291.10	8,167.0	-4,482.0	181.2	-520.6	551.3	289.19
8,380.0	1.40	323.50	8,354.8	-4,669.8	185.3	-527.7	559.2	289.35
8,568.0	0.60	17.60	8,542.7	-4,857.7	188.0	-528.7	561.2	289.58
8,623.0	0.70	40.70	8,597.7	-4,912.7	188.6	-528.4	561.1	289.64
8,625.5	0.70	42.68	8,600.3	-4,915.3	188.6	-528.4	561.1	289.64
B.B. La Trucha 6 B1CV St Com 1H								
8,653.0	0.70	64.70	8,627.7	-4,942.7	188.8	-528.1	560.9	289.67
8,685.0	2.20	150.90	8,659.7	-4,974.7	188.3	-527.7	560.3	289.64
8,716.0	6.80	166.50	8,690.6	-5,005.6	186.0	-526.9	558.8	289.45
8,747.0	11.90	167.90	8,721.2	-5,036.2	181.1	-525.8	556.2	289.01
8,779.0	16.70	168.80	8,752.2	-5,067.2	173.4	-524.3	552.2	288.30
8,810.0	19.80	171.40	8,781.6	-5,096.6	163.8	-522.6	547.7	287.40
8,841.0	23.30	173.50	8,810.5	-5,125.5	152.5	-521.1	543.0	286.31
8,873.0	26.90	175.40	8,839.4	-5,154.4	139.0	-519.8	538.1	284.97
8,904.0	29.70	176.90	8,866.7	-5,181.7	124.4	-518.9	533.6	283.48
8,935.0	33.60	177.20	8,893.1	-5,208.1	108.1	-518.0	529.2	281.79
8,966.0	37.70	178.30	8,918.3	-5,233.3	90.1	-517.3	525.1	279.88
8,997.0	42.10	178.60	8,942.1	-5,257.1	70.2	-516.8	521.5	277.74

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 6-21S-35E LaTrucha 6 B1CV St Com 1H
Well: La Trucha 6 B1CV St Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well La Trucha 6 B1CV St Com 1H
TVD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
MD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
9,028.0	45.50	179.00	8,964.4	-5,279.4	48.7	-516.3	518.6	275.39
9,060.0	49.10	179.80	8,986.1	-5,301.1	25.2	-516.1	516.7	272.80
9,091.0	52.80	179.60	9,005.7	-5,320.7	1.2	-516.0	516.0	270.13
9,122.0	56.10	179.10	9,023.7	-5,338.7	-24.1	-515.7	516.2	267.33
9,153.0	59.40	178.80	9,040.2	-5,355.2	-50.3	-515.2	517.6	264.43
9,185.0	62.40	178.90	9,055.8	-5,370.8	-78.2	-514.6	520.5	261.36
9,216.0	65.40	179.80	9,069.4	-5,384.4	-106.0	-514.3	525.1	258.35
9,237.0	68.10	180.40	9,077.7	-5,392.7	-125.3	-514.4	529.4	256.31
9,302.0	74.20	180.60	9,098.7	-5,413.7	-186.8	-514.9	547.7	250.06
9,365.0	83.10	181.00	9,111.1	-5,426.1	-248.5	-515.8	572.5	244.27
9,372.5	83.42	180.95	9,112.0	-5,427.0	-256.0	-515.9	575.9	243.61
LP La Trucha 6 B1CV St Com 1H								
9,459.0	87.10	180.40	9,119.1	-5,434.1	-342.2	-516.9	619.9	236.50
9,553.0	90.20	180.00	9,121.3	-5,436.3	-436.1	-517.2	676.6	229.86
9,646.0	89.50	179.00	9,121.6	-5,436.6	-529.1	-516.4	739.4	224.30
9,740.0	88.40	178.00	9,123.3	-5,438.3	-623.1	-514.0	807.7	219.52
9,834.0	90.70	182.60	9,124.0	-5,439.0	-717.0	-514.5	882.5	215.66
9,927.0	90.30	182.10	9,123.2	-5,438.2	-809.9	-518.3	961.6	212.61
10,021.0	90.60	181.90	9,122.5	-5,437.5	-903.9	-521.5	1,043.6	209.99
10,115.0	90.20	181.90	9,121.8	-5,436.8	-997.8	-524.7	1,127.4	207.74
10,228.0	90.00	182.10	9,121.6	-5,436.6	-1,110.8	-528.6	1,230.1	205.45
10,321.0	89.50	182.00	9,122.0	-5,437.0	-1,203.7	-531.9	1,316.0	203.84
10,415.0	89.30	182.40	9,123.0	-5,438.0	-1,297.6	-535.5	1,403.8	202.43
10,509.0	91.40	181.20	9,122.5	-5,437.5	-1,391.6	-538.5	1,492.1	201.16
10,603.0	90.80	181.30	9,120.7	-5,435.7	-1,485.5	-540.5	1,580.8	200.00
10,697.0	91.20	181.30	9,119.0	-5,434.0	-1,579.5	-542.7	1,670.1	198.96
10,791.0	89.30	180.80	9,118.6	-5,433.6	-1,673.5	-544.4	1,759.8	198.02



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 6-21S-35E LaTrucha 6 B1CV St Com 1H
Well: La Trucha 6 B1CV St Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well La Trucha 6 B1CV St Com 1H
TVD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
MD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
10,886.0	88.80	180.20	9,120.2	-5,435.2	-1,768.4	-545.2	1,850.6	197.14
10,980.0	88.00	179.70	9,122.8	-5,437.8	-1,862.4	-545.1	1,940.6	196.32
11,074.0	91.30	179.50	9,123.4	-5,438.4	-1,956.4	-544.5	2,030.7	195.55
11,167.0	90.80	178.30	9,121.7	-5,436.7	-2,049.4	-542.7	2,120.0	194.83
11,261.0	91.10	177.20	9,120.1	-5,435.1	-2,143.3	-539.0	2,210.0	194.12
11,356.0	93.50	178.80	9,116.3	-5,431.3	-2,238.1	-535.7	2,301.3	193.46
11,451.0	91.00	179.40	9,112.6	-5,427.6	-2,333.0	-534.2	2,393.4	192.90
11,545.0	90.70	178.60	9,111.2	-5,426.2	-2,427.0	-532.6	2,484.8	192.38
11,639.0	90.90	177.50	9,109.9	-5,424.9	-2,520.9	-529.4	2,575.9	191.86
11,733.0	89.50	176.30	9,109.5	-5,424.5	-2,614.8	-524.3	2,666.8	191.34
11,826.0	89.40	178.30	9,110.4	-5,425.4	-2,707.7	-519.9	2,757.2	190.87
11,920.0	91.40	180.40	9,109.8	-5,424.8	-2,801.7	-518.8	2,849.3	190.49
12,015.0	91.30	179.10	9,107.5	-5,422.5	-2,896.6	-518.4	2,942.7	190.15
12,109.0	91.40	179.40	9,105.3	-5,420.3	-2,990.6	-517.2	3,035.0	189.81
12,203.0	91.80	179.30	9,102.7	-5,417.7	-3,084.6	-516.1	3,127.4	189.50
12,297.0	90.00	179.80	9,101.2	-5,416.2	-3,178.5	-515.4	3,220.1	189.21
12,391.0	90.40	179.80	9,100.9	-5,415.9	-3,272.5	-515.1	3,312.8	188.94
12,486.0	90.40	179.10	9,100.2	-5,415.2	-3,367.5	-514.2	3,406.6	188.68
12,580.0	89.10	177.70	9,100.6	-5,415.6	-3,461.5	-511.5	3,499.1	188.41
12,674.0	91.40	179.20	9,100.2	-5,415.2	-3,555.4	-509.0	3,591.7	188.15
12,768.0	88.70	179.10	9,100.1	-5,415.1	-3,649.4	-507.6	3,684.6	187.92
12,862.0	88.90	179.00	9,102.1	-5,417.1	-3,743.4	-506.0	3,777.4	187.70
12,956.0	89.50	179.10	9,103.4	-5,418.4	-3,837.4	-504.5	3,870.4	187.49
13,050.0	90.40	179.70	9,103.5	-5,418.5	-3,931.4	-503.5	3,963.5	187.30
13,144.0	89.90	180.00	9,103.3	-5,418.3	-4,025.4	-503.2	4,056.7	187.13
13,238.0	86.00	179.40	9,106.6	-5,421.6	-4,119.3	-502.8	4,149.9	186.96
13,332.0	88.90	179.40	9,110.8	-5,425.8	-4,213.2	-501.8	4,243.0	186.79

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 6-21S-35E LaTrucha 6 B1CV St Com 1H
Well: La Trucha 6 B1CV St Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well La Trucha 6 B1CV St Com 1H
TVD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
MD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
13,426.0	89.60	179.50	9,112.0	-5,427.0	-4,307.2	-500.9	4,338.2	186.63
13,520.0	89.50	179.10	9,112.8	-5,427.8	-4,401.2	-499.7	4,429.4	186.48
13,613.0	89.30	178.80	9,113.7	-5,428.7	-4,494.1	-498.0	4,521.6	186.32
13,707.0	87.90	178.10	9,116.0	-5,431.0	-4,588.1	-495.5	4,614.7	186.16
13,801.0	89.20	178.60	9,118.4	-5,433.4	-4,682.0	-492.8	4,707.9	186.01
13,895.0	87.60	179.00	9,121.0	-5,436.0	-4,775.9	-490.8	4,801.1	185.87
13,989.0	91.10	178.60	9,122.1	-5,437.1	-4,869.9	-488.8	4,894.4	185.73
14,083.0	89.00	178.00	9,122.0	-5,437.0	-4,963.8	-486.0	4,987.6	185.59
14,178.0	91.30	179.70	9,121.8	-5,436.8	-5,058.8	-484.1	5,081.9	185.47
14,271.0	89.00	178.30	9,121.5	-5,436.5	-5,151.8	-482.5	5,174.3	185.35
14,365.0	89.20	177.40	9,123.0	-5,438.0	-5,245.7	-479.0	5,267.5	185.22
14,460.0	90.80	176.80	9,123.0	-5,438.0	-5,340.6	-474.2	5,361.6	185.07
14,553.0	89.30	176.30	9,122.9	-5,437.9	-5,433.4	-468.6	5,453.6	184.93
14,648.0	91.50	179.00	9,122.3	-5,437.3	-5,528.3	-464.7	5,547.8	184.80
14,742.0	88.20	179.00	9,122.5	-5,437.5	-5,622.3	-463.1	5,641.3	184.71
14,836.0	87.80	180.40	9,125.8	-5,440.8	-5,716.2	-462.6	5,734.9	184.63
14,930.0	89.00	182.60	9,128.4	-5,443.4	-5,810.2	-465.0	5,828.7	184.58
15,024.0	87.90	182.40	9,131.0	-5,446.0	-5,904.0	-469.1	5,922.6	184.54
15,118.0	91.10	182.80	9,131.8	-5,446.8	-5,997.9	-473.4	6,016.6	184.51
15,213.0	91.80	182.60	9,129.4	-5,444.4	-6,092.8	-477.9	6,111.5	184.48
15,306.0	88.30	181.30	9,129.3	-5,444.3	-6,185.7	-481.0	6,204.4	184.45
15,401.0	89.90	181.90	9,130.8	-5,445.8	-6,280.7	-483.7	6,299.3	184.40
15,495.0	89.40	181.40	9,131.4	-5,446.4	-6,374.6	-486.4	6,393.1	184.36
15,589.0	89.20	181.80	9,132.5	-5,447.5	-6,468.6	-489.0	6,487.0	184.32
15,683.0	89.80	181.90	9,133.3	-5,448.3	-6,562.5	-492.0	6,580.9	184.29
15,777.0	91.30	182.30	9,132.4	-5,447.4	-6,656.5	-495.5	6,674.9	184.26
15,871.0	90.00	182.40	9,131.4	-5,446.4	-6,750.4	-499.3	6,768.8	184.23

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 6-21S-35E LaTrucha 6 B1CV St Com 1H
Well: La Trucha 6 B1CV St Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well La Trucha 6 B1CV St Com 1H
TVD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
MD Reference: 3658 +27 @ 3685.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
15,965.0	88.80	182.60	9,132.4	-5,447.4	-6,844.3	-503.4	6,862.8	184.21
16,059.0	90.30	182.70	9,133.1	-5,448.1	-6,938.2	-507.8	6,956.7	184.19
16,153.0	86.10	181.10	9,136.0	-5,451.0	-7,032.0	-510.9	7,050.6	184.16
16,248.0	88.30	180.10	9,140.7	-5,455.7	-7,126.9	-511.9	7,145.3	184.11
16,342.0	87.50	181.30	9,144.1	-5,459.1	-7,220.8	-513.0	7,239.0	184.06
16,436.0	87.30	183.40	9,148.4	-5,463.4	-7,314.7	-516.9	7,332.9	184.04
16,530.0	90.30	184.20	9,150.4	-5,465.4	-7,408.4	-523.1	7,426.9	184.04
16,582.0	90.20	184.10	9,150.1	-5,465.1	-7,460.3	-526.9	7,478.9	184.04
16,635.0	90.20	184.10	9,149.9	-5,464.9	-7,513.2	-530.7	7,531.9	184.04

16635.0' MD Projected to Bit - PBHL La Trucha 6 B1CV St Com 1H

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,635.0	9,149.9	-7,513.2	-530.7	16635.0' MD Projected to Bit

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.25°

GEODETIC ZONE: New Mexico Eastern Zone										
3658 +27 @ 3685.0usft (Patterson 242)										
GROUND ELEVATION: 3658.0										
	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot			
	0.0	0.0	554767.68	826972.67	32° 31' 18.324 N	103° 24' 23.850 W				
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2100.0	0.00	0.00	2100.0	0.0	0.0	0.00	0.00	0.0	
3	2441.7	5.12	291.84	2441.2	5.7	-14.2	1.50	291.84	-4.8	
4	8282.6	5.12	291.84	8258.8	199.8	-498.5	0.00	0.00	-169.6	
5	8624.3	0.00	0.00	8600.0	205.4	-612.7	1.50	180.00	-174.4	B.B. La Trucha 6 B1CV St Corn 1H
6	8676.8	0.00	0.00	8652.5	205.4	-612.7	0.00	0.00	-174.4	
7	9423.8	89.64	179.54	9130.0	-269.1	-508.9	12.00	179.54	299.0	
8	16680.1	89.64	179.54	9175.0	-7524.9	-451.2	0.00	0.00	7538.5	PBHL La Trucha 6 B1CV St Corn 1H

SHL: 220 FNL; 2541' FWL
Section 6-21S-35E
PBHL: 100' FSL; 2030' FWL
Section 6-21S-35E

