

30-015-40210

Mewbourne Oil Co

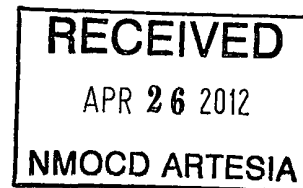
Eddy County, New Mexico

Sec 35 23W-28E

Layla 35 MD Fee Com #1H

Wellbore #1

Plan: Design #1



DDC Well Planning Report

13 March, 2012



DDC Well Planning Report



Database: EDM 5000.1 Single User Db
Company: Mewbourne Oil Co
Project: Eddy County, New Mexico
Site: Sec 35 23W-28E
Well: Layla 35 MD Fee Com #1H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Layla 35 MD Fee Com #1H
TVD Reference: GL3021'+20'KB @ 3041.0usft (Paterson UTI Rig)
MD Reference: GL3021'+20'KB @ 3041.0usft (Paterson UTI Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 35 23W-28E
Site Position: Northing: 461,407.18 usft Latitude: 32° 16' 5.618 N
From: Map Easting: 584,793.84 usft Longitude: 104° 3' 32.396 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.15 °

Well: Layla 35 MD Fee Com #1H
Well Position: +N/-S -4,772.8 usft Northing: 456,634.34 usft Latitude: 32° 15' 18.431 N
+E/-W -1,826.6 usft Easting: 582,967.23 usft Longitude: 104° 3' 53.810 W
Position Uncertainty: 0.0 usft Wellhead Elevation: Ground Level: 3,021.0 usft

Wellbore: Wellbore #1
Magnetics: Model Name Sample Date Declination Dip Angle Field Strength
(°) (°) (nT)
IGRF2010 3/13/2012 7.72 60.11 48,509

Design: Design #1
Audit Notes:
Version: Phase: PROTOTYPE Tie On Depth: 0.0
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
(usft) (usft) (usft) (°)
0.0 0.0 0.0 0.45

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,658.1	0.00	0.00	5,658.1	0.0	0.0	0.00	0.00	0.00	0.00	
6,555.7	89.76	0.45	6,231.0	570.5	4.4	10.00	10.00	0.00	0.45	
10,602.2	89.76	0.45	6,248.0	4,616.9	35.9	0.00	0.00	0.00	0.00	Layla 35 MD Fee Con

DDC
Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Layla 35 MD Fee Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	GL3021'+20'KB @ 3041.0usft (Patterson UTI Rig)
Project:	Eddy County, New Mexico	MD Reference:	GL3021'+20'KB @ 3041.0usft (Patterson UTI Rig)
Site:	Sec 35 23W-28E	North Reference:	Gnd
Well:	Layla 35 MD Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	

DDC
Well Planning Report



Database: EDM 5000.1 Single User Db
Company: Mewbourne Oil Co
Project: Eddy County, New Mexico
Site: Sec 35 23W-28E
Well: Layla 35 MD Fee Com #1H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Layla 35 MD Fee Com #1H
TVD Reference: GL3021'+20'KB @ 3041.0usft (Patterson UTI Rig)
MD Reference: GL3021'+20'KB @ 3041.0usft (Patterson UTI Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned 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)
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5658'MD: KOP - Build @ 10° DLS									
5,658.1	0.00	0.00	5,658.1	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	4.19	0.45	5,700.0	1.5	0.0	1.5	10.00	10.00	0.00
5,800.0	14.19	0.45	5,798.6	17.5	0.1	17.5	10.00	10.00	0.00
5,900.0	24.19	0.45	5,892.9	50.3	0.4	50.3	10.00	10.00	0.00
6,000.0	34.19	0.45	5,980.1	99.0	0.8	99.0	10.00	10.00	0.00
6,100.0	44.19	0.45	6,057.5	162.1	1.3	162.1	10.00	10.00	0.00
6,200.0	54.19	0.45	6,122.7	237.7	1.8	237.7	10.00	10.00	0.00
6,300.0	64.19	0.45	6,173.9	323.5	2.5	323.5	10.00	10.00	0.00
6,400.0	74.19	0.45	6,209.4	416.8	3.2	416.9	10.00	10.00	0.00
6,500.0	84.19	0.45	6,228.1	514.9	4.0	515.0	10.00	10.00	0.00
6556'MD - 6231'TVD: EOC 89.76° Incl. - Azm. 0.45°									
6,555.7	89.76	0.45	6,231.0	570.5	4.4	570.6	10.00	10.00	0.00
6,600.0	89.76	0.45	6,231.2	614.8	4.8	614.9	0.00	0.00	0.00
6,700.0	89.76	0.45	6,231.7	714.8	5.6	714.9	0.00	0.00	0.00
6,800.0	89.76	0.45	6,232.1	814.8	6.3	814.9	0.00	0.00	0.00
6,900.0	89.76	0.45	6,232.5	914.8	7.1	914.9	0.00	0.00	0.00
7,000.0	89.76	0.45	6,232.9	1,014.8	7.9	1,014.9	0.00	0.00	0.00
7,100.0	89.76	0.45	6,233.3	1,114.8	8.7	1,114.9	0.00	0.00	0.00
7,200.0	89.76	0.45	6,233.7	1,214.8	9.4	1,214.9	0.00	0.00	0.00
7,300.0	89.76	0.45	6,234.2	1,314.8	10.2	1,314.9	0.00	0.00	0.00
7,400.0	89.76	0.45	6,234.6	1,414.8	11.0	1,414.9	0.00	0.00	0.00
7,500.0	89.76	0.45	6,235.0	1,514.8	11.8	1,514.9	0.00	0.00	0.00
7,600.0	89.76	0.45	6,235.4	1,614.8	12.5	1,614.9	0.00	0.00	0.00
7,700.0	89.76	0.45	6,235.8	1,714.8	13.3	1,714.9	0.00	0.00	0.00
7,800.0	89.76	0.45	6,236.3	1,814.8	14.1	1,814.8	0.00	0.00	0.00
7,900.0	89.76	0.45	6,236.7	1,914.8	14.9	1,914.8	0.00	0.00	0.00
8,000.0	89.76	0.45	6,237.1	2,014.8	15.7	2,014.8	0.00	0.00	0.00
8,100.0	89.76	0.45	6,237.5	2,114.8	16.4	2,114.8	0.00	0.00	0.00
8,200.0	89.76	0.45	6,237.9	2,214.8	17.2	2,214.8	0.00	0.00	0.00
8,300.0	89.76	0.45	6,238.4	2,314.8	18.0	2,314.8	0.00	0.00	0.00
8,400.0	89.76	0.45	6,238.8	2,414.8	18.8	2,414.8	0.00	0.00	0.00
8,500.0	89.76	0.45	6,239.2	2,514.8	19.5	2,514.8	0.00	0.00	0.00
8,600.0	89.76	0.45	6,239.6	2,614.8	20.3	2,614.8	0.00	0.00	0.00
8,700.0	89.76	0.45	6,240.0	2,714.8	21.1	2,714.8	0.00	0.00	0.00
8,800.0	89.76	0.45	6,240.5	2,814.8	21.9	2,814.8	0.00	0.00	0.00
8,900.0	89.76	0.45	6,240.9	2,914.8	22.6	2,914.8	0.00	0.00	0.00
9,000.0	89.76	0.45	6,241.3	3,014.7	23.4	3,014.8	0.00	0.00	0.00
9,100.0	89.76	0.45	6,241.7	3,114.7	24.2	3,114.8	0.00	0.00	0.00
9,200.0	89.76	0.45	6,242.1	3,214.7	25.0	3,214.8	0.00	0.00	0.00
9,300.0	89.76	0.45	6,242.5	3,314.7	25.8	3,314.8	0.00	0.00	0.00
9,400.0	89.76	0.45	6,243.0	3,414.7	26.5	3,414.8	0.00	0.00	0.00
9,500.0	89.76	0.45	6,243.4	3,514.7	27.3	3,514.8	0.00	0.00	0.00
9,600.0	89.76	0.45	6,243.8	3,614.7	28.1	3,614.8	0.00	0.00	0.00
9,700.0	89.76	0.45	6,244.2	3,714.7	28.9	3,714.8	0.00	0.00	0.00
9,800.0	89.76	0.45	6,244.6	3,814.7	29.6	3,814.8	0.00	0.00	0.00
9,900.0	89.76	0.45	6,245.1	3,914.7	30.4	3,914.8	0.00	0.00	0.00

DDC Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Layla 35 MD Fee Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	GL3021'+20'KB @ 3041.0usft (Paterson UTI Rig)
Project:	Eddy County, New Mexico	MD Reference:	GL3021'+20'KB @ 3041.0usft (Paterson UTI Rig)
Site:	Sec 35 23W-28E	North Reference:	Grid
Well:	Layla 35 MD Fee Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

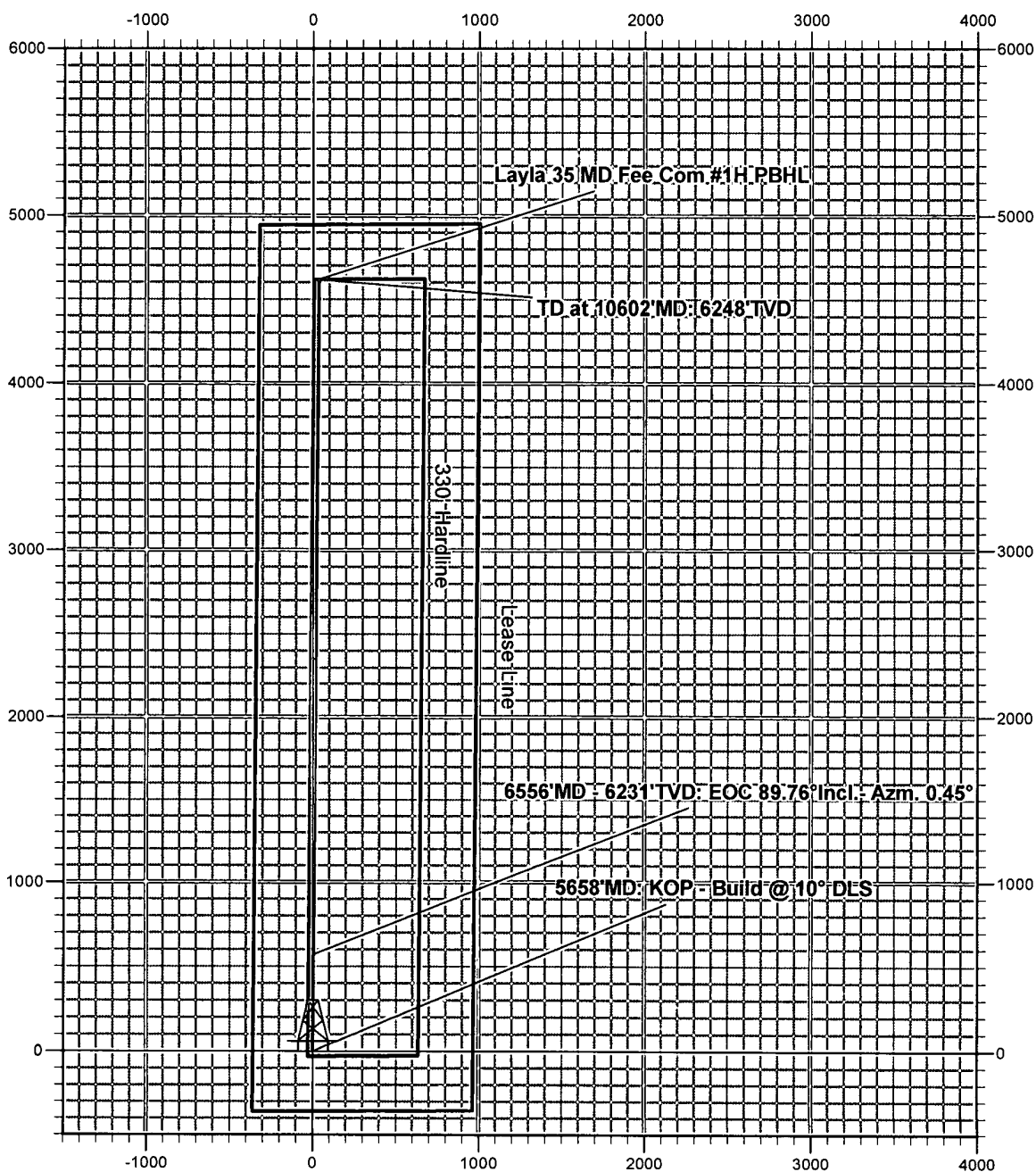
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,000.0	89.76	0.45	6,245.5	4,014.7	31.2	4,014.8	0.00	0.00	0.00	
10,100.0	89.76	0.45	6,245.9	4,114.7	32.0	4,114.8	0.00	0.00	0.00	
10,200.0	89.76	0.45	6,246.3	4,214.7	32.7	4,214.8	0.00	0.00	0.00	
10,300.0	89.76	0.45	6,246.7	4,314.7	33.5	4,314.8	0.00	0.00	0.00	
10,400.0	89.76	0.45	6,247.2	4,414.7	34.3	4,414.8	0.00	0.00	0.00	
10,500.0	89.76	0.45	6,247.6	4,514.7	35.1	4,514.8	0.00	0.00	0.00	
10,600.0	89.76	0.45	6,248.0	4,614.7	35.8	4,614.8	0.00	0.00	0.00	
TD at 10602'MD: 6248'TVD - Layla 35 MD Fee Com #1H				4,616.9	35.9	4,617.0	0.00	0.00	0.00	
10,602.2	89.76	0.45	6,248.0							

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- hit/miss target										
- Shape										
Layla 35 MD Fee Com #	0.00	0.00	6,248.0	4,616.9	35.9	461,251.26	583,003.10	32° 16' 4.120 N		104° 3' 53.258 W
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
5,658.1	5,658.1	0.0	0.0	5658'MD: KOP - Build @ 10° DLS	
6,555.7	6,231.0	570.5	4.4	6556'MD - 6231'TVD: EOC 89.76°Incl. - Azm. 0.45°	
10,602.2	6,248.0	4,616.9	35.9	TD at 10602'MD: 6248'TVD	

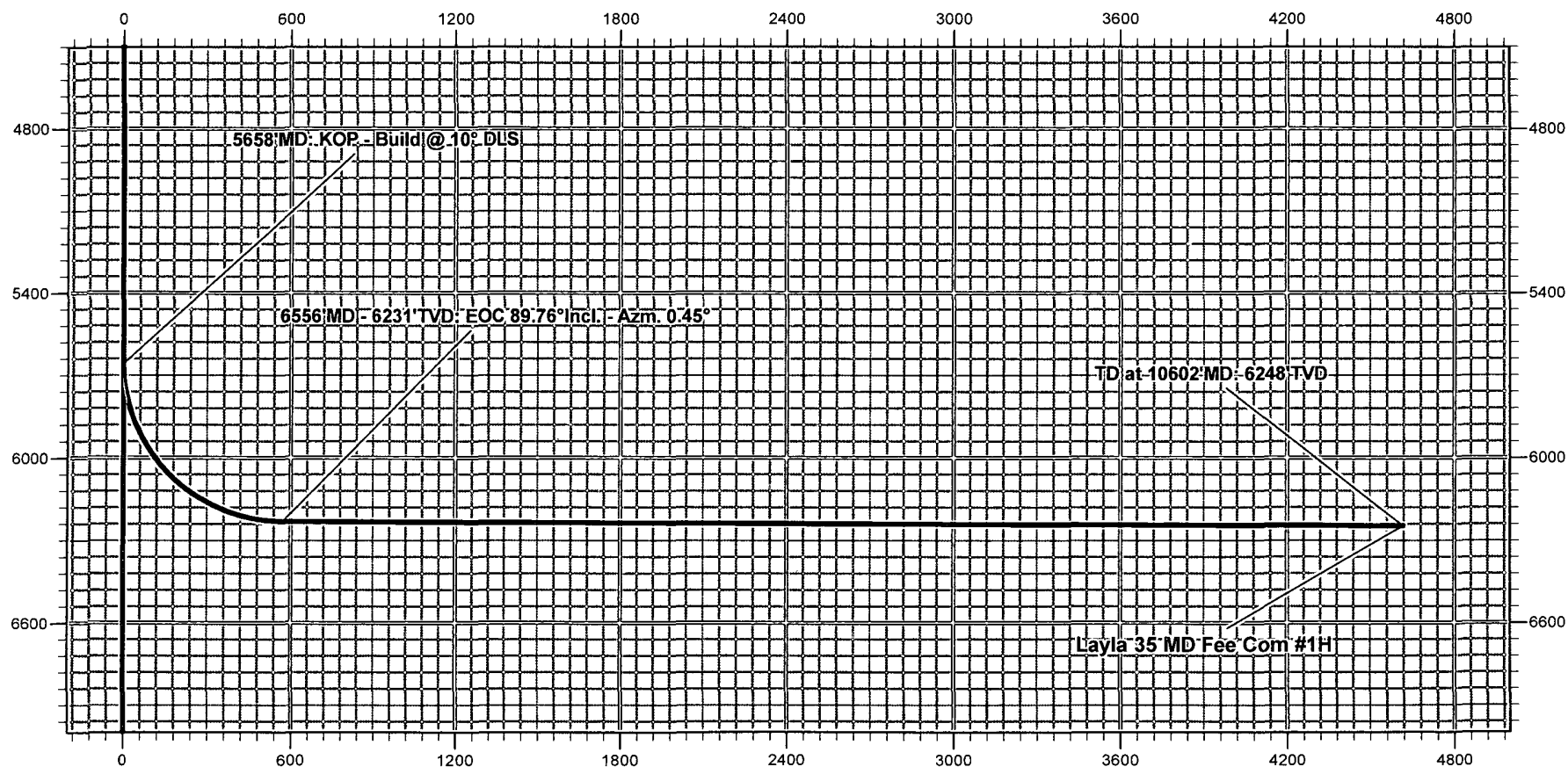
Mewbourne Oil Co

Layla 35 MD Fee Com #1H
Sec 35 23W-28E
Eddy County, New Mexico
Design #1
Q120205



Mewbourne Oil Co

Layla 35 MD Fee Com #1H
Sec 35 23W-28E
Eddy County, New Mexico
Design #1
Q120205



Vertical Section at 0.45° (600 usft/in)