

Mewbourne Oil Co

Eddy County, New Mexico

Sec 30, T18S, R30E

Bradley 30 Fed Com #3H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

06 January, 2012

API: 300154016800

SL: 1830 FNL & 150 FWL

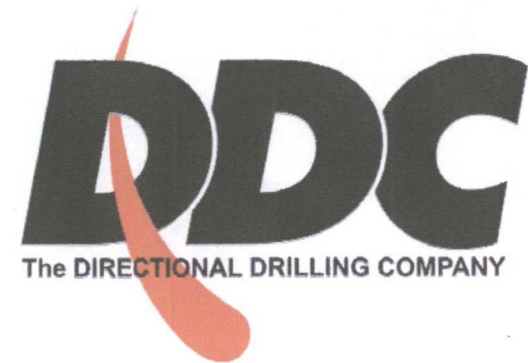
LP: 1818 FNL & 717 FWL

BHL: 1700 FNL & 330 FEL

Oil Conservation Division
Case No. 13
Exhibit No.

DDC
The Directional Drilling Company

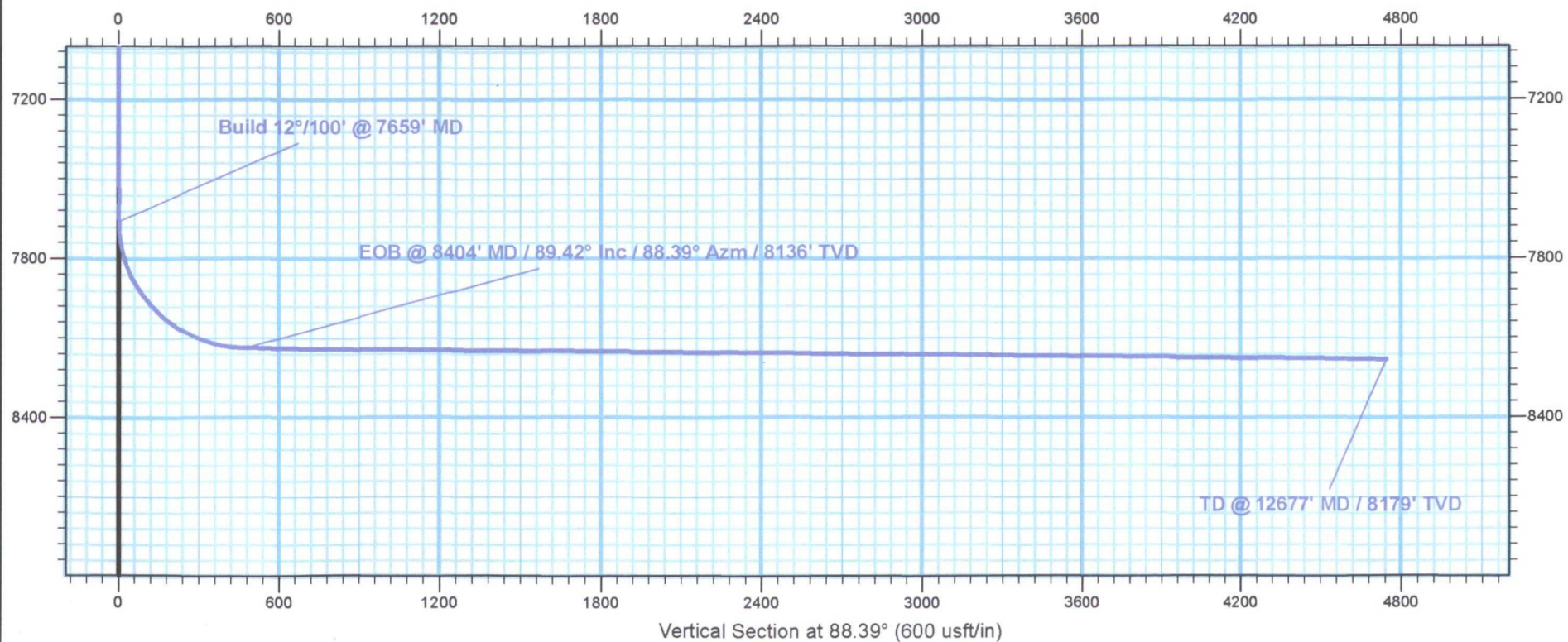
Mewbourne Oil Company



Eddy County, New Mexico

Bradley 30 Fed Com #3H

Quote 120011

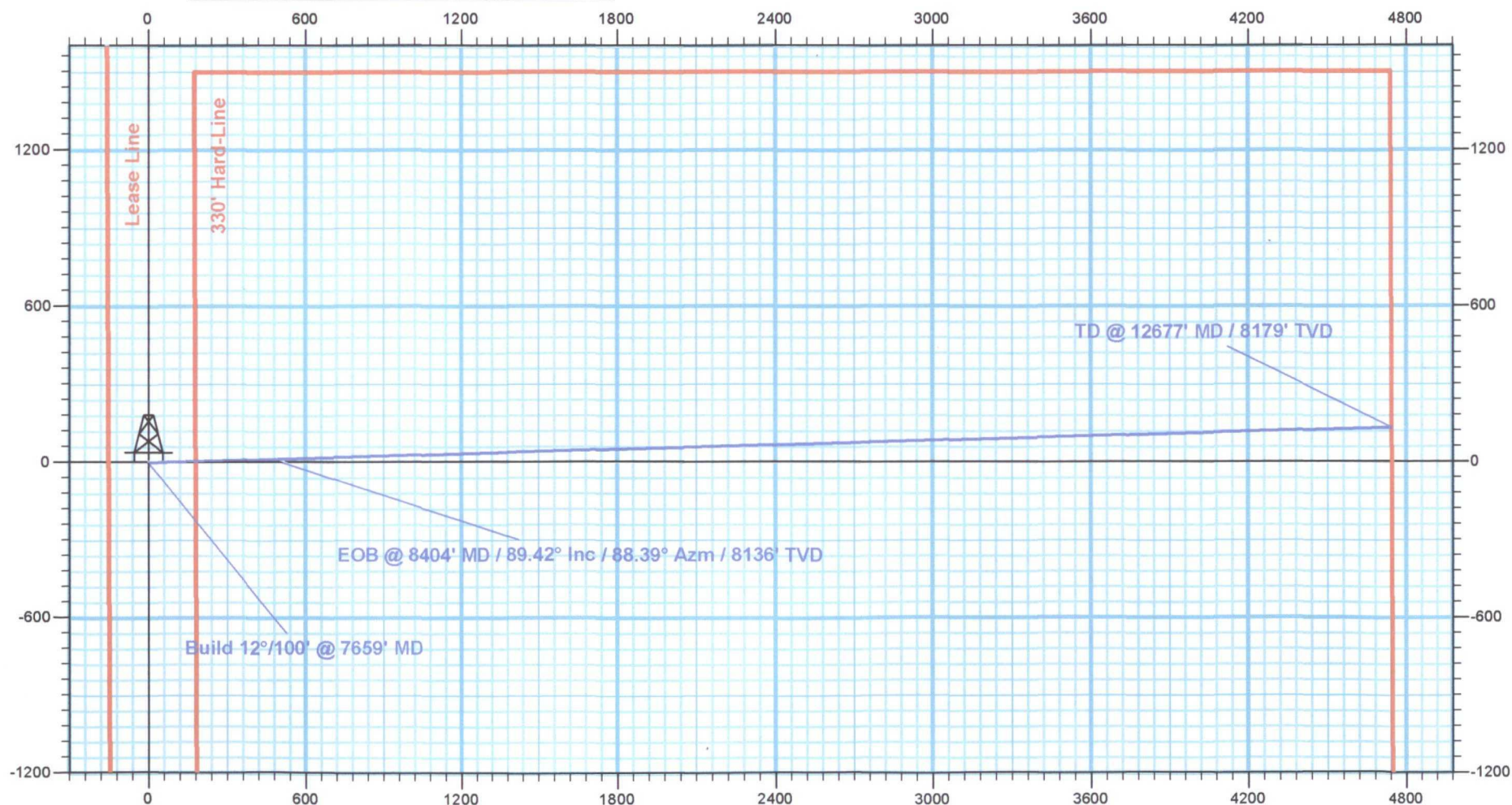
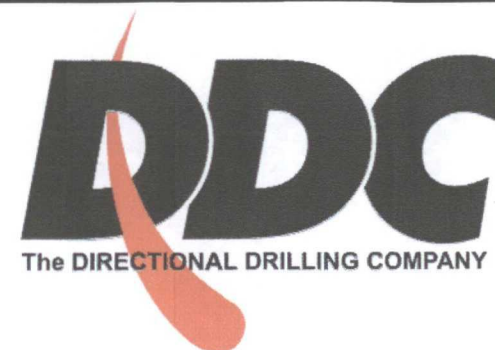


Mewbourne Oil Company

Eddy County, New Mexico

Bradley 30 Fed Com #3H

Quote 120011



DDC Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bradley 30 Fed Com #3H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3473.0usft (Patterson 45/47/46)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3473.0usft (Patterson 45/47/46)
Site:	Sec 30, T18S, R30E	North Reference:	Grid
Well:	Bradley 30 Fed Com #3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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 30, T18S, R30E		
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Site Position:		Northing:	622,986.86 usft	Latitude:	32° 42' 44.110 N
From:	Lat/Long	Easting:	601,612.61 usft	Longitude:	104° 0' 10.680 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.18 °

Well	Bradley 30 Fed Com #3H				
Well Position	+N/-S	3,045.8 usft	Northing:	626,032.67 usft	Latitude: 32° 43' 14.396 N
	+E/-W	-4,845.5 usft	Easting:	596,767.15 usft	Longitude: 104° 1' 7.287 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level: 3,455.0 usft

Wellbore	Wellbore #1				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/4/2012	7.76	60.56	48,810

Design	Design #1				
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Audit Notes:

Version: **Phase:** PLAN **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	88.39

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	
7,658.6	0.00	0.00	7,658.6	0.0	0.0	0.00	0.00	0.00	0.00	
8,403.8	89.42	88.39	8,136.0	13.2	472.5	12.00	12.00	11.86	88.39	
12,677.3	89.42	88.39	8,179.0	132.9	4,744.1	0.00	0.00	0.00	0.00	PBHL Bradley 30 F

DDC Well Planning Report



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Site:	Sec 30 T18S R30E	North Reference:	Grid
Well:	Bradley 30 Fed Com #3H	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
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

DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bradley 30 Fed Corn #3H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3473.0usft (Patterson 45/47/46)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3473.0usft (Patterson 45/47/46)
Site:	Sec.30 T18S R30E	North Reference:	Grid
Well:	Bradley 30 Fed Corn #3H	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)
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
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 12°/100' @ 7659° MD									
7,658.6	0.00	0.00	7,658.6	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	4.97	88.39	7,699.9	0.1	1.8	1.8	12.00	12.00	0.00
7,800.0	16.97	88.39	7,797.9	0.6	20.8	20.8	12.00	12.00	0.00
7,900.0	28.97	88.39	7,889.8	1.7	59.7	59.7	12.00	12.00	0.00
8,000.0	40.97	88.39	7,971.6	3.3	116.9	116.9	12.00	12.00	0.00
8,100.0	52.97	88.39	8,039.8	5.3	189.8	189.9	12.00	12.00	0.00
8,200.0	64.97	88.39	8,091.2	7.7	275.3	275.4	12.00	12.00	0.00
8,300.0	76.97	88.39	8,123.8	10.4	369.7	369.8	12.00	12.00	0.00
8,400.0	88.97	88.39	8,136.0	13.1	468.7	468.9	12.00	12.00	0.00
EOB @ 8404° MD / 89.42° Inc / 88.39° Azm / 8136° TVD									
8,403.8	89.42	88.39	8,136.0	13.2	472.5	472.7	12.00	12.00	0.00
8,500.0	89.42	88.39	8,137.0	15.9	568.6	568.9	0.00	0.00	0.00
8,600.0	89.42	88.39	8,138.0	18.7	668.6	668.9	0.00	0.00	0.00
8,700.0	89.42	88.39	8,139.0	21.5	768.5	768.8	0.00	0.00	0.00
8,800.0	89.42	88.39	8,140.0	24.3	868.5	868.8	0.00	0.00	0.00
8,900.0	89.42	88.39	8,141.0	27.1	968.5	968.8	0.00	0.00	0.00
9,000.0	89.42	88.39	8,142.0	29.9	1,068.4	1,068.8	0.00	0.00	0.00
9,100.0	89.42	88.39	8,143.0	32.7	1,168.4	1,168.8	0.00	0.00	0.00
9,200.0	89.42	88.39	8,144.0	35.5	1,268.3	1,268.8	0.00	0.00	0.00
9,300.0	89.42	88.39	8,145.0	38.3	1,368.3	1,368.8	0.00	0.00	0.00
9,400.0	89.42	88.39	8,146.1	41.1	1,468.2	1,468.8	0.00	0.00	0.00
9,500.0	89.42	88.39	8,147.1	43.9	1,568.2	1,568.8	0.00	0.00	0.00
9,600.0	89.42	88.39	8,148.1	46.7	1,668.1	1,668.8	0.00	0.00	0.00
9,700.0	89.42	88.39	8,149.1	49.5	1,768.1	1,768.8	0.00	0.00	0.00
9,800.0	89.42	88.39	8,150.1	52.3	1,868.1	1,868.8	0.00	0.00	0.00
9,900.0	89.42	88.39	8,151.1	55.1	1,968.0	1,968.8	0.00	0.00	0.00
10,000.0	89.42	88.39	8,152.1	57.9	2,068.0	2,068.8	0.00	0.00	0.00
10,100.0	89.42	88.39	8,153.1	60.7	2,167.9	2,168.8	0.00	0.00	0.00
10,200.0	89.42	88.39	8,154.1	63.5	2,267.9	2,268.8	0.00	0.00	0.00

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Well:	Bradley 30 Fed Com #3H	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)	
10,300.0	89.42	88.39	8,155.1	66.4	2,367.8	2,368.8	0.00	0.00	0.00	
10,400.0	89.42	88.39	8,156.1	69.2	2,467.8	2,468.8	0.00	0.00	0.00	
10,500.0	89.42	88.39	8,157.1	72.0	2,567.8	2,568.8	0.00	0.00	0.00	
10,600.0	89.42	88.39	8,158.1	74.8	2,667.7	2,668.8	0.00	0.00	0.00	
10,700.0	89.42	88.39	8,159.1	77.6	2,767.7	2,768.7	0.00	0.00	0.00	
10,800.0	89.42	88.39	8,160.1	80.4	2,867.6	2,868.7	0.00	0.00	0.00	
10,900.0	89.42	88.39	8,161.1	83.2	2,967.6	2,968.7	0.00	0.00	0.00	
11,000.0	89.42	88.39	8,162.1	86.0	3,067.5	3,068.7	0.00	0.00	0.00	
11,100.0	89.42	88.39	8,163.1	88.8	3,167.5	3,168.7	0.00	0.00	0.00	
11,200.0	89.42	88.39	8,164.1	91.6	3,267.4	3,268.7	0.00	0.00	0.00	
11,300.0	89.42	88.39	8,165.2	94.4	3,367.4	3,368.7	0.00	0.00	0.00	
11,400.0	89.42	88.39	8,166.2	97.2	3,467.4	3,468.7	0.00	0.00	0.00	
11,500.0	89.42	88.39	8,167.2	100.0	3,567.3	3,568.7	0.00	0.00	0.00	
11,600.0	89.42	88.39	8,168.2	102.8	3,667.3	3,668.7	0.00	0.00	0.00	
11,700.0	89.42	88.39	8,169.2	105.6	3,767.2	3,768.7	0.00	0.00	0.00	
11,800.0	89.42	88.39	8,170.2	108.4	3,867.2	3,868.7	0.00	0.00	0.00	
11,900.0	89.42	88.39	8,171.2	111.2	3,967.1	3,968.7	0.00	0.00	0.00	
12,000.0	89.42	88.39	8,172.2	114.0	4,067.1	4,068.7	0.00	0.00	0.00	
12,100.0	89.42	88.39	8,173.2	116.8	4,167.0	4,168.7	0.00	0.00	0.00	
12,200.0	89.42	88.39	8,174.2	119.6	4,267.0	4,268.7	0.00	0.00	0.00	
12,300.0	89.42	88.39	8,175.2	122.4	4,367.0	4,368.7	0.00	0.00	0.00	
12,400.0	89.42	88.39	8,176.2	125.2	4,466.9	4,468.7	0.00	0.00	0.00	
12,500.0	89.42	88.39	8,177.2	128.0	4,566.9	4,568.7	0.00	0.00	0.00	
12,600.0	89.42	88.39	8,178.2	130.8	4,666.8	4,668.7	0.00	0.00	0.00	
12,677.3	89.42	88.39	8,179.0	132.9	4,744.1	4,745.9	0.00	0.00	0.00	

Design Targets										
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Bradley 30 Fed	- plan hits target center	0.00	0.00	8,179.0	132.9	4,744.1	626,165.60	601,511.20	32° 43' 15.568 N	104° 0' 11.751 W
	- Point									

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
7,658.6	7,658.6	0.0	0.0	Build 12°/100' @ 7659' MD	
8,403.8	8,136.0	13.2	472.5	EOB @ 8404' MD / 89.42° Inc / 88.39° Azm / 8136' TVD	
12,677.3	8,179.0	132.9	4,744.1	TD @ 12677' MD / 8179' TVD	