

Burnett Oil Co., Inc.

Burnett Oil Company, INC
Project: Eddy County, NM
Site: Sec.12, T.17 S., R. 31 E.
Well: Nosler 12 FED LJ 7H
Wellbore: Wellbore #1

Plan: Plan#2 (Nosler 12 FED LJ 7H/Wellbore #1)

WELL DETAILS: Nosler 12 FED LJ 7H

Ground Elevation:: 3961.0

RKB Elevation: KB=18' @ 3979.0usft

Rig Name:

Northing
672403.90

Easting
654361.20

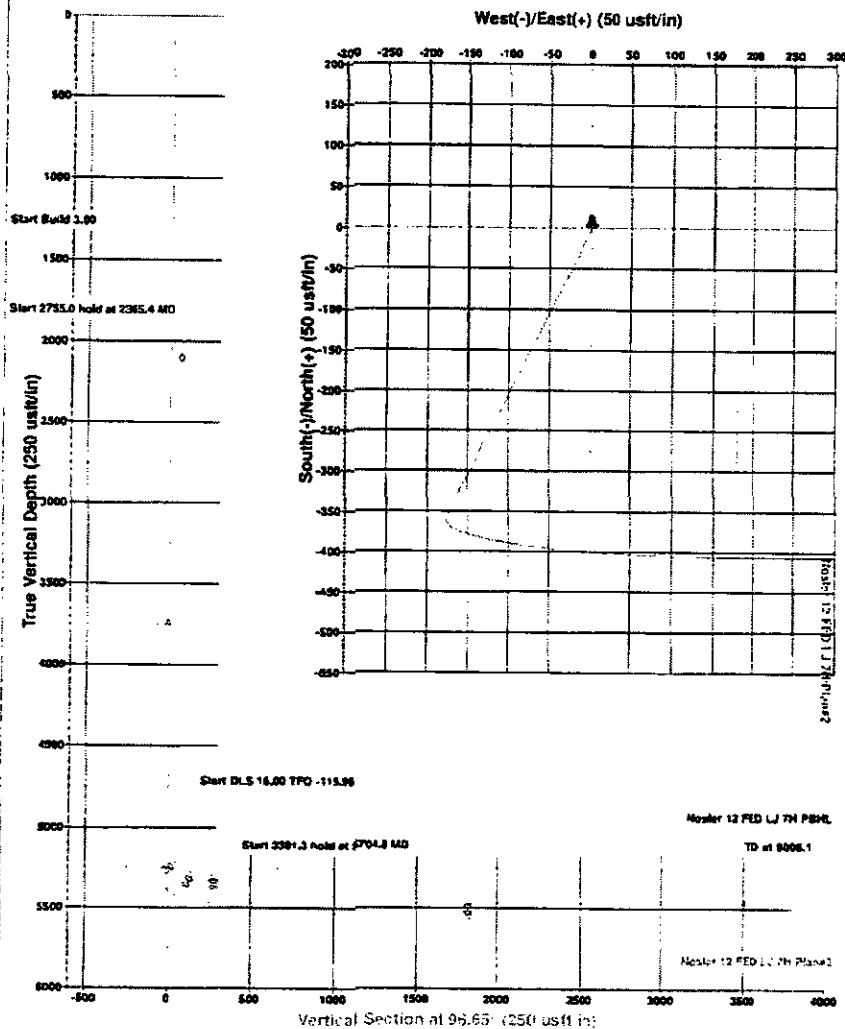
Latitude
32° 50' 51.049 N

Longitude
103° 49' 50.556 W

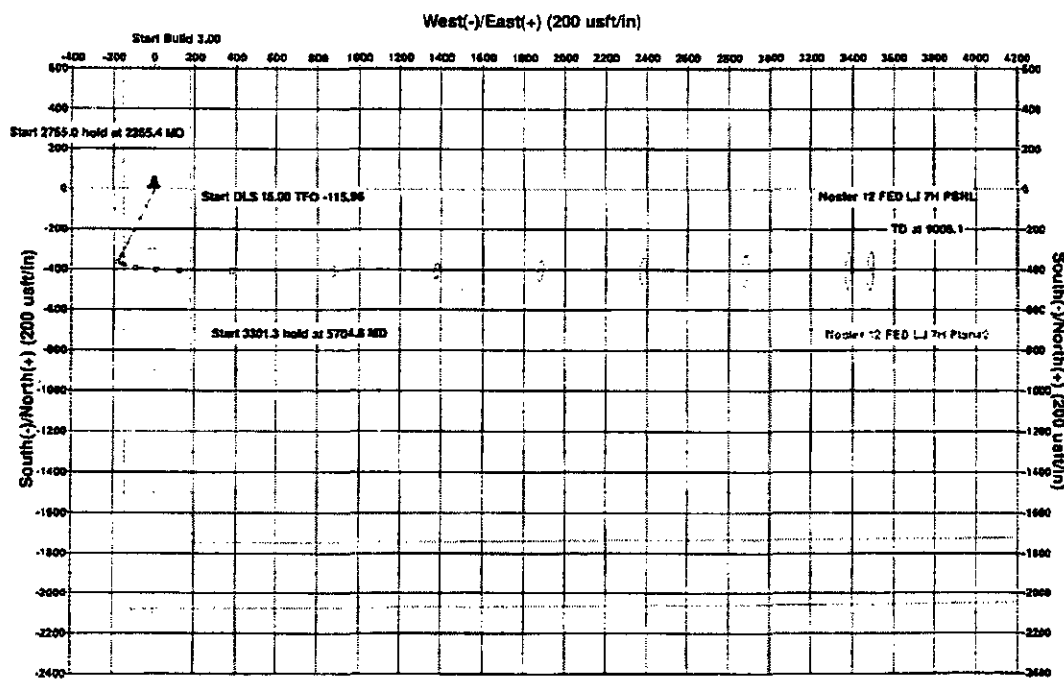


Azimuths to Grid North
True North: -0.27°
Magnetic North: 7.31°

Magnetic Field
Strength: 48660.2anT
Dip Angle: 60.82°
Date: 12/31/2014
Model: HDGM



Section Details										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	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	2365.4	7.96	206.18	2364.6	-16.5	-8.1	3.00	206.18	-6.2	
4	5120.4	7.96	206.18	5093.0	-359.0	-176.5	0.00	0.00	-133.7	
5	5704.8	90.00	90.00	5470.0	-406.3	160.9	16.00	-115.96	226.8	Nosler 12 FED LJ 7H PBHL
6	9006.1	90.00	90.00	5470.0	-406.2	3482.2	0.00	0.00	3505.8	Nosler 12 FED LJ 7H PBHL



INTEGRITY
Directional Services

EXHIBIT 11

PROJECT DETAILS: Eddy County, NM
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
Local North: Grid

Burnett Oil Company, INC

Eddy County, NM

Sec.12, T.17 S., R. 31 E.

Nosler 12 FED LJ 7H

Wellbore #1

Plan: Plan#2

Standard Survey Report

31 March, 2016

Integrity Directional Services, LLC

Survey Report

Company: Burnett Oil Company, INC
Project: Eddy County, NM
Site: Sec.12, T.17 S., R. 31 E.
Well: Nosler 12 FED LJ 7H
Wellbore: Wellbore #1
Design: Plan#2

Local Co-ordinate Reference: Well Nosler 12 FED LJ 7H
TVD Reference: KB=18' @ 3979.0usft
MD Reference: KB=18' @ 3979.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Multi User Db

Project	Eddy County, NM		
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.12, T.17 S., R. 31 E.

Site Position:		Northing:	672,403.90 usft	Latitude:	32° 50' 51.049 N
From:	Map	Easting:	654,361.20 usft	Longitude:	103° 49' 50.556 W
Position Uncertainty:	5.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.27 °

Well Nosler 12 FED LJ 7H

Well Position	+N/-S	0.0 usft	Northing:	672,403.90 usft	Latitude:	32° 50' 51.049 N
	+E/-W	0.0 usft	Easting:	654,361.20 usft	Longitude:	103° 49' 50.556 W
Position Uncertainty		5.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,961.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	HDGM	12/31/2014	(°) 7.58	(°) 60.82	(nT) 48,660

Design Plan#2

Audit Notes:

Version:	Phase:	PLAN	Tie On Depth:	0.0
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Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	96.65

Survey Tool Program Date 3/31/2016

From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.0	9,006.1	Plan#2 (Wellbore #1)	MWD	MWD - Standard

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

Integrity Directional Services, LLC

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MD Reference: KB=18' @ 3979.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Multi User Db

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)
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
Start Build 3.00									
2,200.0	3.00	206.18	2,200.0	-2.3	-1.2	-0.9	3.00	3.00	0.00
2,300.0	6.00	206.18	2,299.8	-9.4	-4.6	-3.5	3.00	3.00	0.00
2,365.4	7.96	206.18	2,364.6	-16.5	-8.1	-6.2	3.00	3.00	0.00
Start 2755.0 hold at 2365.4 MD									
2,400.0	7.96	206.18	2,398.8	-20.8	-10.2	-7.8	0.00	0.00	0.00
2,500.0	7.96	206.18	2,497.8	-33.3	-16.3	-12.4	0.00	0.00	0.00
2,600.0	7.96	206.18	2,596.9	-45.7	-22.5	-17.0	0.00	0.00	0.00
2,700.0	7.96	206.18	2,695.9	-58.1	-28.6	-21.6	0.00	0.00	0.00
2,800.0	7.96	206.18	2,795.0	-70.5	-34.7	-26.3	0.00	0.00	0.00
2,900.0	7.96	206.18	2,894.0	-83.0	-40.8	-30.9	0.00	0.00	0.00
3,000.0	7.96	206.18	2,993.0	-95.4	-46.9	-35.5	0.00	0.00	0.00
3,100.0	7.96	206.18	3,092.1	-107.8	-53.0	-40.2	0.00	0.00	0.00
3,200.0	7.96	206.18	3,191.1	-120.3	-59.1	-44.8	0.00	0.00	0.00
3,300.0	7.96	206.18	3,290.1	-132.7	-65.2	-49.4	0.00	0.00	0.00
3,400.0	7.96	206.18	3,389.2	-145.1	-71.4	-54.1	0.00	0.00	0.00
3,500.0	7.96	206.18	3,488.2	-157.6	-77.5	-58.7	0.00	0.00	0.00
3,600.0	7.96	206.18	3,587.2	-170.0	-83.6	-63.3	0.00	0.00	0.00
3,700.0	7.96	206.18	3,686.3	-182.4	-89.7	-68.0	0.00	0.00	0.00
3,800.0	7.96	206.18	3,785.3	-194.9	-95.8	-72.6	0.00	0.00	0.00
3,900.0	7.96	206.18	3,884.4	-207.3	-101.9	-77.2	0.00	0.00	0.00
4,000.0	7.96	206.18	3,983.4	-219.7	-108.0	-81.8	0.00	0.00	0.00
4,100.0	7.96	206.18	4,082.4	-232.2	-114.1	-86.5	0.00	0.00	0.00
4,200.0	7.96	206.18	4,181.5	-244.6	-120.2	-91.1	0.00	0.00	0.00
4,300.0	7.96	206.18	4,280.5	-257.0	-126.4	-95.7	0.00	0.00	0.00
4,400.0	7.96	206.18	4,379.5	-269.4	-132.5	-100.4	0.00	0.00	0.00
4,500.0	7.96	206.18	4,478.6	-281.9	-138.6	-105.0	0.00	0.00	0.00
4,600.0	7.96	206.18	4,577.6	-294.3	-144.7	-109.6	0.00	0.00	0.00
4,700.0	7.96	206.18	4,676.6	-306.7	-150.8	-114.3	0.00	0.00	0.00
4,800.0	7.96	206.18	4,775.7	-319.2	-156.9	-118.9	0.00	0.00	0.00
4,900.0	7.96	206.18	4,874.7	-331.6	-163.0	-123.5	0.00	0.00	0.00
5,000.0	7.96	206.18	4,973.7	-344.0	-169.1	-128.2	0.00	0.00	0.00

Integrity Directional Services, LLC

Survey Report

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Survey Calculation Method: Minimum Curvature
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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)
5,100.0	7.96	206.18	5,072.8	-356.5	-175.3	-132.8	0.00	0.00	0.00
5,120.4	7.96	206.18	5,093.0	-359.0	-176.5	-133.7	0.00	0.00	0.00
Start DLS 16.00 TFO -115.96									
5,200.0	11.66	127.47	5,171.7	-368.9	-172.5	-128.6	16.00	4.64	-98.91
5,300.0	26.16	104.80	5,266.2	-380.7	-143.0	-97.9	16.00	14.50	-22.66
5,400.0	41.74	98.09	5,348.9	-391.1	-88.4	-42.5	16.00	15.58	-6.72
5,500.0	57.52	94.58	5,413.5	-399.2	-12.9	33.4	16.00	15.78	-3.50
5,600.0	73.36	92.15	5,454.9	-404.4	77.6	123.9	16.00	15.85	-2.43
5,700.0	89.24	90.09	5,470.0	-406.3	176.1	222.0	16.00	15.87	-2.05
5,704.8	90.00	90.00	5,470.0	-406.3	180.9	226.8	16.00	15.88	-1.99
Start 3301.3 hold at 5704.8 MD									
5,800.0	90.00	90.00	5,470.0	-406.3	276.1	321.3	0.00	0.00	0.00
5,900.0	90.00	90.00	5,470.0	-406.3	376.1	420.6	0.00	0.00	0.00
6,000.0	90.00	90.00	5,470.0	-406.3	476.1	520.0	0.00	0.00	0.00
6,100.0	90.00	90.00	5,470.0	-406.3	576.1	619.3	0.00	0.00	0.00
6,200.0	90.00	90.00	5,470.0	-406.3	676.1	718.6	0.00	0.00	0.00
6,300.0	90.00	90.00	5,470.0	-406.3	776.1	818.0	0.00	0.00	0.00
6,400.0	90.00	90.00	5,470.0	-406.3	876.1	917.3	0.00	0.00	0.00
6,500.0	90.00	90.00	5,470.0	-406.3	976.1	1,016.6	0.00	0.00	0.00
6,600.0	90.00	90.00	5,470.0	-406.3	1,076.1	1,115.9	0.00	0.00	0.00
6,700.0	90.00	90.00	5,470.0	-406.3	1,176.1	1,215.3	0.00	0.00	0.00
6,800.0	90.00	90.00	5,470.0	-406.3	1,276.1	1,314.6	0.00	0.00	0.00
6,900.0	90.00	90.00	5,470.0	-406.3	1,376.1	1,413.9	0.00	0.00	0.00
7,000.0	90.00	90.00	5,470.0	-406.3	1,476.1	1,513.2	0.00	0.00	0.00
7,100.0	90.00	90.00	5,470.0	-406.3	1,576.1	1,612.6	0.00	0.00	0.00
7,200.0	90.00	90.00	5,470.0	-406.3	1,676.1	1,711.9	0.00	0.00	0.00
7,300.0	90.00	90.00	5,470.0	-406.3	1,776.1	1,811.2	0.00	0.00	0.00
7,400.0	90.00	90.00	5,470.0	-406.3	1,876.1	1,910.5	0.00	0.00	0.00
7,500.0	90.00	90.00	5,470.0	-406.3	1,976.1	2,009.9	0.00	0.00	0.00
7,600.0	90.00	90.00	5,470.0	-406.2	2,076.1	2,109.2	0.00	0.00	0.00
7,700.0	90.00	90.00	5,470.0	-406.2	2,176.1	2,208.5	0.00	0.00	0.00
7,800.0	90.00	90.00	5,470.0	-406.2	2,276.1	2,307.9	0.00	0.00	0.00
7,900.0	90.00	90.00	5,470.0	-406.2	2,376.1	2,407.2	0.00	0.00	0.00
8,000.0	90.00	90.00	5,470.0	-406.2	2,476.1	2,506.5	0.00	0.00	0.00
8,100.0	90.00	90.00	5,470.0	-406.2	2,576.1	2,605.8	0.00	0.00	0.00
8,200.0	90.00	90.00	5,470.0	-406.2	2,676.1	2,705.2	0.00	0.00	0.00
8,300.0	90.00	90.00	5,470.0	-406.2	2,776.1	2,804.5	0.00	0.00	0.00
8,400.0	90.00	90.00	5,470.0	-406.2	2,876.1	2,903.8	0.00	0.00	0.00
8,500.0	90.00	90.00	5,470.0	-406.2	2,976.1	3,003.1	0.00	0.00	0.00
8,600.0	90.00	90.00	5,470.0	-406.2	3,076.1	3,102.5	0.00	0.00	0.00
8,700.0	90.00	90.00	5,470.0	-406.2	3,176.1	3,201.8	0.00	0.00	0.00
8,800.0	90.00	90.00	5,470.0	-406.2	3,276.1	3,301.1	0.00	0.00	0.00
8,900.0	90.00	90.00	5,470.0	-406.2	3,376.1	3,400.4	0.00	0.00	0.00
9,000.0	90.00	90.00	5,470.0	-406.2	3,476.1	3,499.8	0.00	0.00	0.00

Integrity Directional Services, LLC

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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)
9,006.1	90.00	90.00	5,470.0	-406.2	3,482.2	3,505.8	0.00	0.00	0.00
TD at 9006.1									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Nosler 12 FED LJ 7H	0.00	0.00	5,470.0	-406.2	3,482.2	671,997.70	657,843.40	32° 50' 46.864 N	103° 49' 9.762 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
2100	2100	0	0	Start Build 3.00
2365	2365	-17	-8	Start 2755.0 hold at 2365.4 MD
5120	5093	-359	-176	Start DLS 16.00 TFO -115.96
5705	5470	-406	181	Start 3301.3 hold at 5704.8 MD
9006	5470	-406	3482	TD at 9006.1

Checked By: _____	Approved By: _____	Date: _____
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