

Diamondback Resources, LLC

Project: Lea County, NM (NAD 27)
Site: Mongoose Fee
Well: #1H
Wellbore: OH
Plan: Plan #3 (#1H/OH)



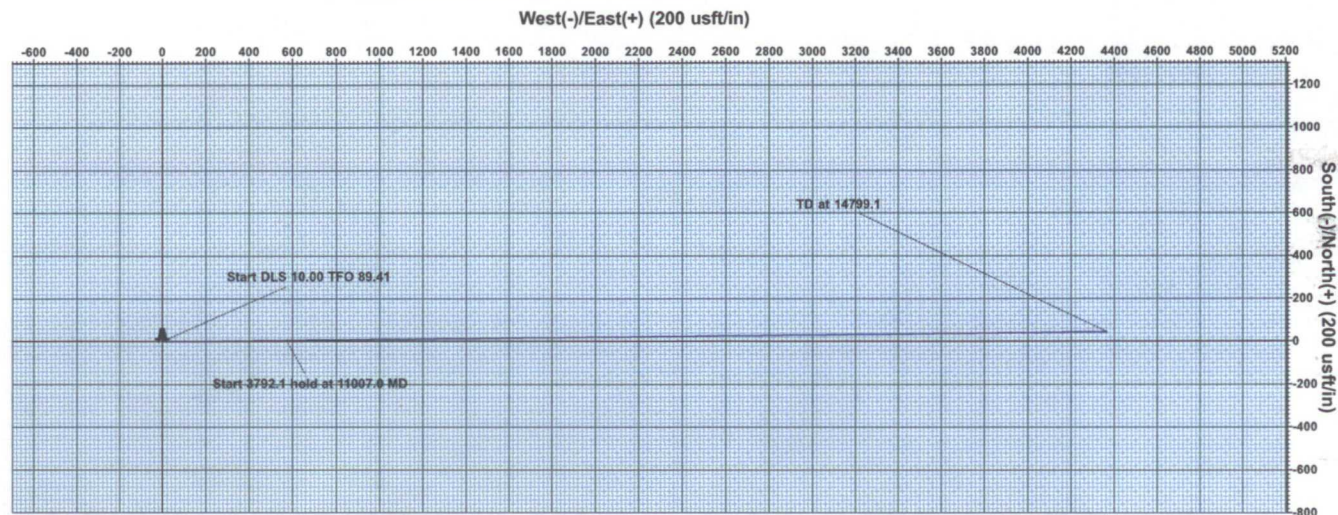
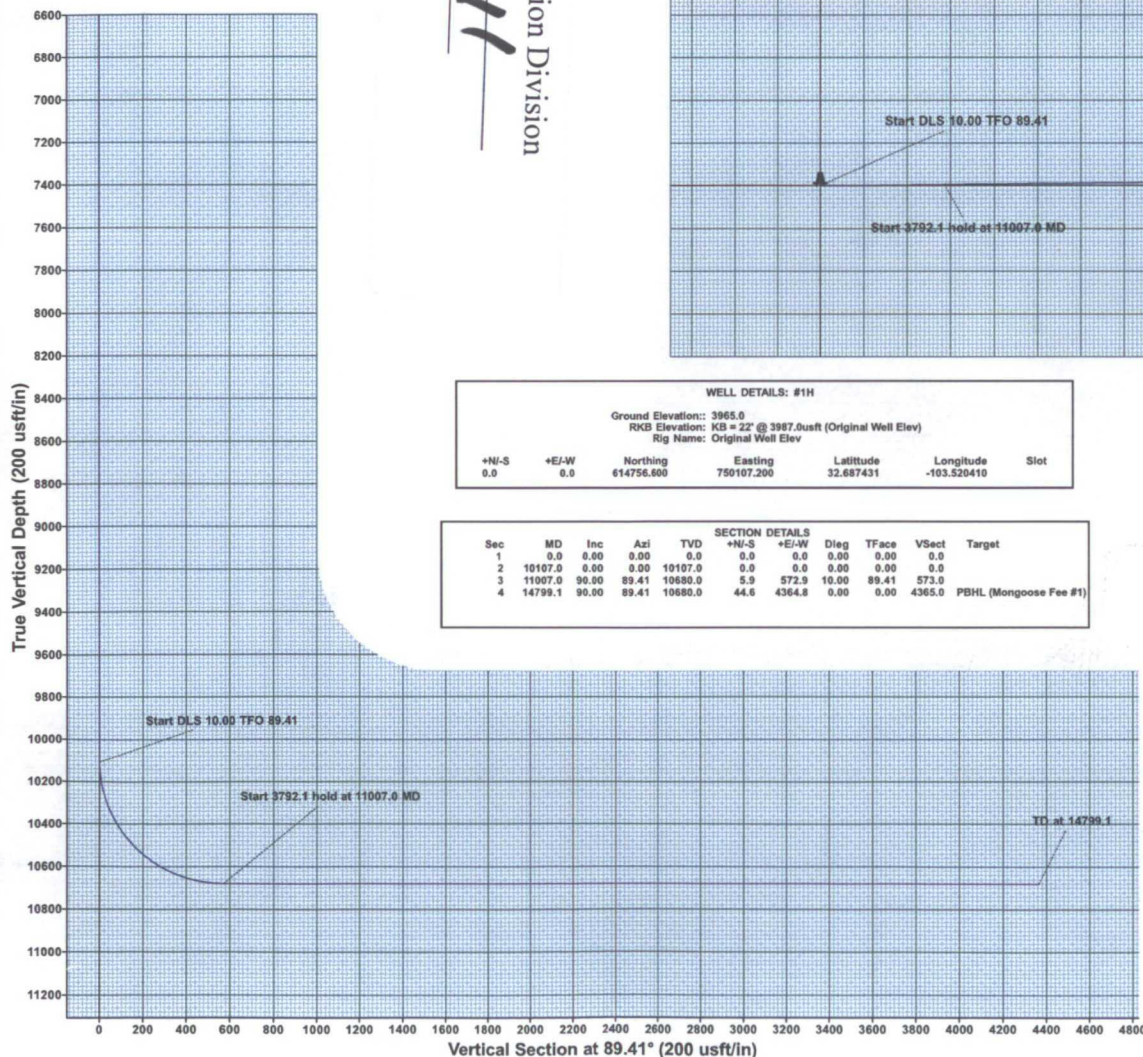
Azimuths to Grid North
True North: -0.44°
Magnetic North: 7.01°

Magnetic Field
Strength: 48821.8snT
Dip Angle: 60.62°
Date: 8/6/2012
Model: IGRF200510

PATHFINDER®

A Schlumberger Company

Oil Conservation Division
Case No. 11
Exhibit No. 11



WELL DETAILS: #1H						
Ground Elevation: 3965.0						
RKB Elevation: KB = 22' @ 3987.0usft (Original Well Elev)						
Rig Name: Original Well Elev						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	614756.600	750107.200	32.687431	-103.520410	

Sec	MD	Inc	Azi	TVD	SECTION DETAILS		Diag	TFace	Vsect	Target
					+N/-S	+E/-W				
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	10107.0	0.00	0.00	10107.0	0.0	0.0	0.00	0.00	0.0	
3	11007.0	90.00	89.41	10680.0	5.9	572.9	10.00	89.41	573.0	
4	14799.1	90.00	89.41	10680.0	44.6	4364.8	0.00	0.00	4365.0	PBHL (Mongoose Fee #1)

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
PBHL (Mongoose Fee #1)	10680.0	44.6	4364.8	614801.200	754472.000	32.687461

PROJECT DETAILS: Lea County, NM (NAD 27)
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

Plan: Plan #3 (#1H/OH)
Created By: Michael Trout Date: 11-07, August 21 2012
Checked: _____ Date: _____

Diamondback Resources LLC
Lea County, NM (NAD 27)
Mongoose Fee
#1H
Original Well Elev
OH
Plan #3

Diamondback Resources LLC

Lea County, NM (NAD 27)

Mongoose Fee

#1H

OH

Plan: Plan #3

PathfinderX & Y Report

21 August, 2012

PATHFINDER[®]
A Schlumberger Company

Pathfinder
PathfinderX & Y Report



Company:	Diamondback Resources LLC	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Site:	Mongoose Fee	MD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	EDM 5000.1 Single User, Db

Project	Lea County, NM (NAD 27)		
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	Mongoose Fee		
Site Position:		Northing:	615,085.200 usft
From:	Map	Easting:	750,025.400 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.688336
		Longitude:	-103.520668
		Grid Convergence:	0.44 "

Well	#1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	8/6/2012	(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
			48,822

Design	Plan #3		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			89.41

Survey Tool Program	Date: 8/21/2012		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
0.0	14,799.1	Plan #3 (OH)	

Pathfinder
PathfinderX & Y Report

PATHFINDER
A Schlumberger Company

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Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	EDM 5000.1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
0.0	0.00	0.00	0.0	-3,987.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
100.0	0.00	0.00	100.0	-3,887.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
200.0	0.00	0.00	200.0	-3,787.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
300.0	0.00	0.00	300.0	-3,687.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
400.0	0.00	0.00	400.0	-3,587.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
500.0	0.00	0.00	500.0	-3,487.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
600.0	0.00	0.00	600.0	-3,387.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
700.0	0.00	0.00	700.0	-3,287.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
800.0	0.00	0.00	800.0	-3,187.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
900.0	0.00	0.00	900.0	-3,087.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,000.0	0.00	0.00	1,000.0	-2,987.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,100.0	0.00	0.00	1,100.0	-2,887.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,200.0	0.00	0.00	1,200.0	-2,787.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,300.0	0.00	0.00	1,300.0	-2,687.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,400.0	0.00	0.00	1,400.0	-2,587.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,500.0	0.00	0.00	1,500.0	-2,487.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,600.0	0.00	0.00	1,600.0	-2,387.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,700.0	0.00	0.00	1,700.0	-2,287.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,800.0	0.00	0.00	1,800.0	-2,187.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
1,900.0	0.00	0.00	1,900.0	-2,087.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,000.0	0.00	0.00	2,000.0	-1,987.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,100.0	0.00	0.00	2,100.0	-1,887.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,200.0	0.00	0.00	2,200.0	-1,787.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,300.0	0.00	0.00	2,300.0	-1,687.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,400.0	0.00	0.00	2,400.0	-1,587.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,500.0	0.00	0.00	2,500.0	-1,487.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
2,600.0	0.00	0.00	2,600.0	-1,387.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	

Pathfinder
PathfinderX & Y Report



Company:	Diamondback Resources LLC	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Site:	Mongoose Fee	MD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	EDM 5000.1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Eastng (usft)		
2,700.0	0.00	0.00	2,700.0	-1,287.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
2,800.0	0.00	0.00	2,800.0	-1,187.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
2,900.0	0.00	0.00	2,900.0	-1,087.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,000.0	0.00	0.00	3,000.0	-987.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,100.0	0.00	0.00	3,100.0	-887.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,200.0	0.00	0.00	3,200.0	-787.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,300.0	0.00	0.00	3,300.0	-687.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,400.0	0.00	0.00	3,400.0	-587.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,500.0	0.00	0.00	3,500.0	-487.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,600.0	0.00	0.00	3,600.0	-387.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,700.0	0.00	0.00	3,700.0	-287.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,800.0	0.00	0.00	3,800.0	-187.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
3,900.0	0.00	0.00	3,900.0	-87.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,000.0	0.00	0.00	4,000.0	13.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,100.0	0.00	0.00	4,100.0	113.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,200.0	0.00	0.00	4,200.0	213.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,300.0	0.00	0.00	4,300.0	313.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,400.0	0.00	0.00	4,400.0	413.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,500.0	0.00	0.00	4,500.0	513.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,600.0	0.00	0.00	4,600.0	613.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,700.0	0.00	0.00	4,700.0	713.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,800.0	0.00	0.00	4,800.0	813.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
4,900.0	0.00	0.00	4,900.0	913.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
5,000.0	0.00	0.00	5,000.0	1,013.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
5,100.0	0.00	0.00	5,100.0	1,113.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
5,200.0	0.00	0.00	5,200.0	1,213.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		
5,300.0	0.00	0.00	5,300.0	1,313.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20		

Pathfinder
PathfinderX & Y Report

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A Schlumberger Company

Company:	Diamondback Resources LLC	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD:27)	TVD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Site:	Mongoose Fee	MD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	EDM 5000.1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
5,400.0	0.00	0.00	5,400.0	1,413.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
5,500.0	0.00	0.00	5,500.0	1,513.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
5,600.0	0.00	0.00	5,600.0	1,613.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
5,700.0	0.00	0.00	5,700.0	1,713.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
5,800.0	0.00	0.00	5,800.0	1,813.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
5,900.0	0.00	0.00	5,900.0	1,913.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,000.0	0.00	0.00	6,000.0	2,013.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,100.0	0.00	0.00	6,100.0	2,113.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,200.0	0.00	0.00	6,200.0	2,213.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,300.0	0.00	0.00	6,300.0	2,313.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,400.0	0.00	0.00	6,400.0	2,413.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,500.0	0.00	0.00	6,500.0	2,513.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,600.0	0.00	0.00	6,600.0	2,613.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,700.0	0.00	0.00	6,700.0	2,713.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,800.0	0.00	0.00	6,800.0	2,813.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
6,900.0	0.00	0.00	6,900.0	2,913.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,000.0	0.00	0.00	7,000.0	3,013.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,100.0	0.00	0.00	7,100.0	3,113.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,200.0	0.00	0.00	7,200.0	3,213.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,300.0	0.00	0.00	7,300.0	3,313.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,400.0	0.00	0.00	7,400.0	3,413.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,500.0	0.00	0.00	7,500.0	3,513.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,600.0	0.00	0.00	7,600.0	3,613.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,700.0	0.00	0.00	7,700.0	3,713.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,800.0	0.00	0.00	7,800.0	3,813.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
7,900.0	0.00	0.00	7,900.0	3,913.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	
8,000.0	0.00	0.00	8,000.0	4,013.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20	

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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (*/100usft)	Northing (usft)	Easting (usft)
8,100.0	0.00	0.00	8,100.0	4,113.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,200.0	0.00	0.00	8,200.0	4,213.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,300.0	0.00	0.00	8,300.0	4,313.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,400.0	0.00	0.00	8,400.0	4,413.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,500.0	0.00	0.00	8,500.0	4,513.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,600.0	0.00	0.00	8,600.0	4,613.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,700.0	0.00	0.00	8,700.0	4,713.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,800.0	0.00	0.00	8,800.0	4,813.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
8,900.0	0.00	0.00	8,900.0	4,913.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,000.0	0.00	0.00	9,000.0	5,013.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,100.0	0.00	0.00	9,100.0	5,113.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,200.0	0.00	0.00	9,200.0	5,213.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,300.0	0.00	0.00	9,300.0	5,313.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,400.0	0.00	0.00	9,400.0	5,413.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,500.0	0.00	0.00	9,500.0	5,513.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,600.0	0.00	0.00	9,600.0	5,613.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,700.0	0.00	0.00	9,700.0	5,713.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,800.0	0.00	0.00	9,800.0	5,813.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
9,900.0	0.00	0.00	9,900.0	5,913.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
10,000.0	0.00	0.00	10,000.0	6,013.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
10,107.0	0.00	0.00	10,107.0	6,120.0	0.0	0.0	0.0	0.00	614,756.60	750,107.20
10,150.0	4.30	89.41	10,150.0	6,163.0	0.0	1.6	1.6	10.00	614,756.62	750,108.81
10,200.0	9.30	89.41	10,199.6	6,212.6	0.1	7.5	7.5	10.00	614,756.68	750,114.73
10,250.0	14.30	89.41	10,248.5	6,261.5	0.2	17.8	17.8	10.00	614,756.78	750,124.95
10,300.0	19.30	89.41	10,296.4	6,309.4	0.3	32.2	32.2	10.00	614,756.93	750,139.40
10,350.0	24.30	89.41	10,342.8	6,355.8	0.5	50.8	50.8	10.00	614,757.12	750,157.96
10,400.0	29.30	89.41	10,387.4	6,400.4	0.7	73.3	73.3	10.00	614,757.35	750,180.50

Pathfinder
PathfinderX & Y Report

PATHFINDER
A Schlumberger Company

Company:	Diamondback Resources LLC	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Site:	Mongoose Fee	MD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	EDM 5000.1 Single User Db

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (*/100usft)	Northing (usft)	Easting (usft)
10,450.0	34.30	89.41	10,429.9	6,442.9	1.0	99.6	99.6	10.00	614,757.62	750,206.83
10,500.0	39.30	89.41	10,469.9	6,482.9	1.3	129.6	129.6	10.00	614,757.92	750,236.77
10,550.0	44.30	89.41	10,507.2	6,520.2	1.7	162.9	162.9	10.00	614,758.26	750,270.09
10,600.0	49.30	89.41	10,541.4	6,554.4	2.0	199.3	199.3	10.00	614,758.64	750,306.52
10,650.0	54.30	89.41	10,572.3	6,585.3	2.4	238.6	238.6	10.00	614,759.04	750,345.80
10,700.0	59.30	89.41	10,599.7	6,612.7	2.9	280.4	280.4	10.00	614,759.47	750,387.62
10,750.0	64.30	89.41	10,623.3	6,636.3	3.3	324.5	324.5	10.00	614,759.92	750,431.67
10,800.0	69.30	89.41	10,643.0	6,656.0	3.8	370.4	370.4	10.00	614,760.38	750,477.61
10,850.0	74.30	89.41	10,658.6	6,671.6	4.3	417.9	417.9	10.00	614,760.87	750,525.09
10,900.0	79.30	89.41	10,670.0	6,683.0	4.8	466.6	466.6	10.00	614,761.37	750,573.75
10,950.0	84.30	89.41	10,677.1	6,690.1	5.3	516.0	516.1	10.00	614,761.87	750,623.22
11,000.0	89.30	89.41	10,679.9	6,692.9	5.8	565.9	566.0	10.00	614,762.38	750,673.13
11,007.0	90.00	89.41	10,680.0	6,693.0	5.9	572.9	573.0	10.00	614,762.45	750,680.12
11,100.0	90.00	89.41	10,680.0	6,693.0	6.8	665.9	666.0	0.00	614,763.40	750,773.12
11,200.0	90.00	89.41	10,680.0	6,693.0	7.8	765.9	766.0	0.00	614,764.43	750,873.12
11,300.0	90.00	89.41	10,680.0	6,693.0	8.8	865.9	866.0	0.00	614,765.45	750,973.11
11,400.0	90.00	89.41	10,680.0	6,693.0	9.9	965.9	966.0	0.00	614,766.47	751,073.11
11,500.0	90.00	89.41	10,680.0	6,693.0	10.9	1,065.9	1,066.0	0.00	614,767.49	751,173.10
11,600.0	90.00	89.41	10,680.0	6,693.0	11.9	1,165.9	1,166.0	0.00	614,768.51	751,273.10
11,700.0	90.00	89.41	10,680.0	6,693.0	12.9	1,265.9	1,266.0	0.00	614,769.54	751,373.09
11,800.0	90.00	89.41	10,680.0	6,693.0	14.0	1,365.9	1,366.0	0.00	614,770.56	751,473.09
11,900.0	90.00	89.41	10,680.0	6,693.0	15.0	1,465.9	1,466.0	0.00	614,771.58	751,573.08
12,000.0	90.00	89.41	10,680.0	6,693.0	16.0	1,565.9	1,566.0	0.00	614,772.60	751,673.08
12,100.0	90.00	89.41	10,680.0	6,693.0	17.0	1,665.9	1,666.0	0.00	614,773.62	751,773.07
12,200.0	90.00	89.41	10,680.0	6,693.0	18.0	1,765.9	1,766.0	0.00	614,774.64	751,873.07
12,300.0	90.00	89.41	10,680.0	6,693.0	19.1	1,865.9	1,866.0	0.00	614,775.67	751,973.06
12,400.0	90.00	89.41	10,680.0	6,693.0	20.1	1,965.9	1,966.0	0.00	614,776.69	752,073.06

Pathfinder
PathfinderX & Y Report

PATHFINDER
A Schlumberger Company

Company:	Diamondback Resources LLC	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD 27)	TVD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Site:	Mongoose Fee	MD Reference:	KB = 22' @ 3987.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	EDM 5000.1 Single User Db

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
12,500.0	90.00	89.41	10,680.0	6,693.0	21.1	2,065.8	2,066.0	0.00	614,777.71	752,173.05
12,600.0	90.00	89.41	10,680.0	6,693.0	22.1	2,165.8	2,166.0	0.00	614,778.73	752,273.04
12,700.0	90.00	89.41	10,680.0	6,693.0	23.2	2,265.8	2,266.0	0.00	614,779.75	752,373.04
12,800.0	90.00	89.41	10,680.0	6,693.0	24.2	2,365.8	2,366.0	0.00	614,780.77	752,473.03
12,900.0	90.00	89.41	10,680.0	6,693.0	25.2	2,465.8	2,466.0	0.00	614,781.80	752,573.03
13,000.0	90.00	89.41	10,680.0	6,693.0	26.2	2,565.8	2,566.0	0.00	614,782.82	752,673.02
13,100.0	90.00	89.41	10,680.0	6,693.0	27.2	2,665.8	2,666.0	0.00	614,783.84	752,773.02
13,200.0	90.00	89.41	10,680.0	6,693.0	28.3	2,765.8	2,766.0	0.00	614,784.86	752,873.01
13,300.0	90.00	89.41	10,680.0	6,693.0	29.3	2,865.8	2,866.0	0.00	614,785.88	752,973.01
13,400.0	90.00	89.41	10,680.0	6,693.0	30.3	2,965.8	2,966.0	0.00	614,786.90	753,073.00
13,500.0	90.00	89.41	10,680.0	6,693.0	31.3	3,065.8	3,066.0	0.00	614,787.93	753,173.00
13,600.0	90.00	89.41	10,680.0	6,693.0	32.3	3,165.8	3,166.0	0.00	614,788.95	753,272.99
13,700.0	90.00	89.41	10,680.0	6,693.0	33.4	3,265.8	3,266.0	0.00	614,789.97	753,372.99
13,800.0	90.00	89.41	10,680.0	6,693.0	34.4	3,365.8	3,366.0	0.00	614,790.99	753,472.98
13,900.0	90.00	89.41	10,680.0	6,693.0	35.4	3,465.8	3,466.0	0.00	614,792.01	753,572.98
14,000.0	90.00	89.41	10,680.0	6,693.0	36.4	3,565.8	3,566.0	0.00	614,793.04	753,672.97
14,100.0	90.00	89.41	10,680.0	6,693.0	37.5	3,665.8	3,666.0	0.00	614,794.06	753,772.97
14,200.0	90.00	89.41	10,680.0	6,693.0	38.5	3,765.8	3,766.0	0.00	614,795.08	753,872.96
14,300.0	90.00	89.41	10,680.0	6,693.0	39.5	3,865.8	3,866.0	0.00	614,796.10	753,972.96
14,400.0	90.00	89.41	10,680.0	6,693.0	40.5	3,965.8	3,966.0	0.00	614,797.12	754,072.95
14,500.0	90.00	89.41	10,680.0	6,693.0	41.5	4,065.7	4,066.0	0.00	614,798.14	754,172.95
14,600.0	90.00	89.41	10,680.0	6,693.0	42.6	4,165.7	4,166.0	0.00	614,799.17	754,272.94
14,700.0	90.00	89.41	10,680.0	6,693.0	43.6	4,265.7	4,266.0	0.00	614,800.19	754,372.94
14,799.1	90.00	89.41	10,680.0	6,693.0	44.6	4,364.8	4,365.0	0.00	614,801.20	754,472.00

Checked By: _____	Approved By: _____	Date: _____
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