



30-025- 39364

lea **Devon Energy**
Eddy Co., New Mexico (Nad 83)
Falcon 32 State #5H
Falcon 32 State #5H

Lateral #1

Plan: Design #1

Standard Planning Report

18 December, 2008





Project *Lea* Eddy Co., New Mexico (Nad 83)
Site Falcon 32 State #5H
Well Falcon 32 State #5H
Wellbore Lateral #1
Design Design #1



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
2	7611 04	0 00	0 00	7611.04	0 00	0 00	0 00	0 00	0 00	
3	8511 04	90 00	354.63	8184 00	570.45	-53.59	10 00	354.63	572.96	PBHL - TD (F32S#5H)
4	12590 81	90 00	354.63	8184 00	4622.37	-434.26	0 00	0 00	4642.73	

ANNOTATIONS

TVD	MD	Annotation
7611.04	7611 04	KOP - Build 10°/100°
8184 00	8511 04	EOC - Hold 90°

WELLBORE TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
PBHL - TD (F32S#5H)	8184 00	4622.37	-434.26	Point

WELL DETAILS: Falcon 32 State #5H

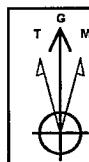
Ground Level				
3607 00				
WELL @ 3624 004 (Original Well Elev)				
+N-S	+E-W	Northing	Easting	Latitude
0 00	0 00	456947 80	736326 80	32° 15' 16.740 N
			Longitude	Slot
			103° 42' 9.254 W	

PROJECT DETAILS: Eddy Co., New Mexico (Nad 83)

Geodetic System	US State Plane 1983
Datum	North American Datum 1983
Ellipsoid	GRS 1980
Zone	New Mexico Eastern Zone
System Datum	Mean Sea Level

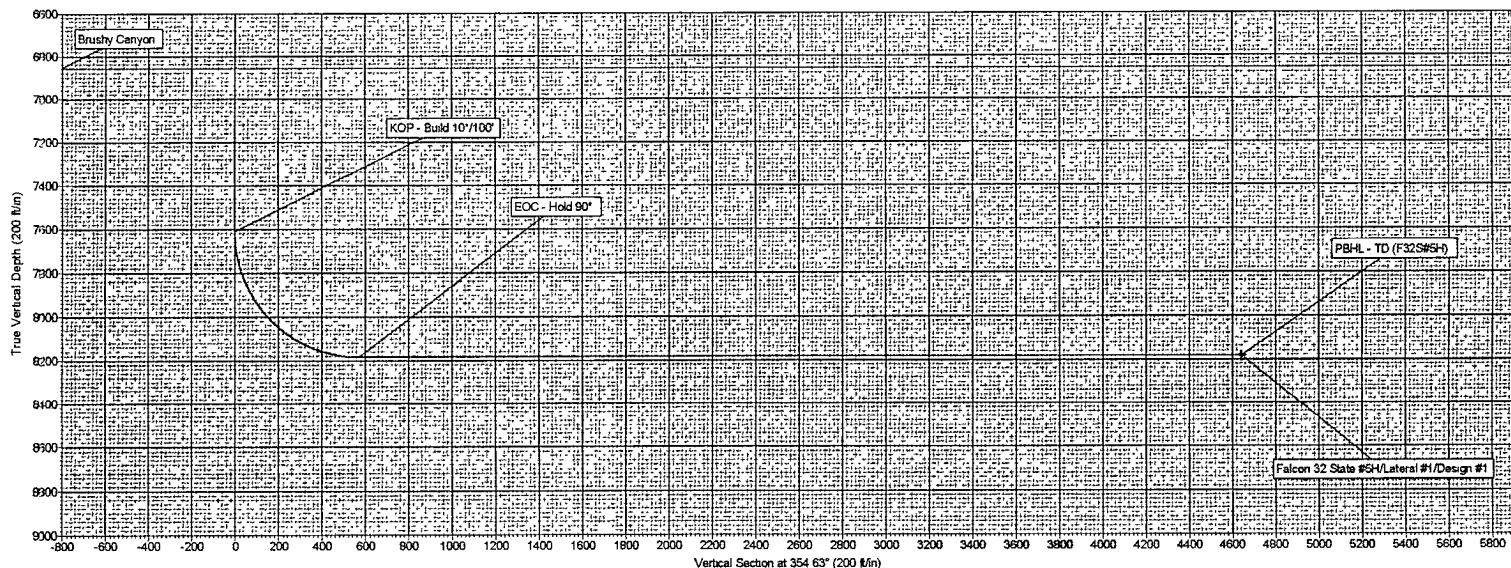
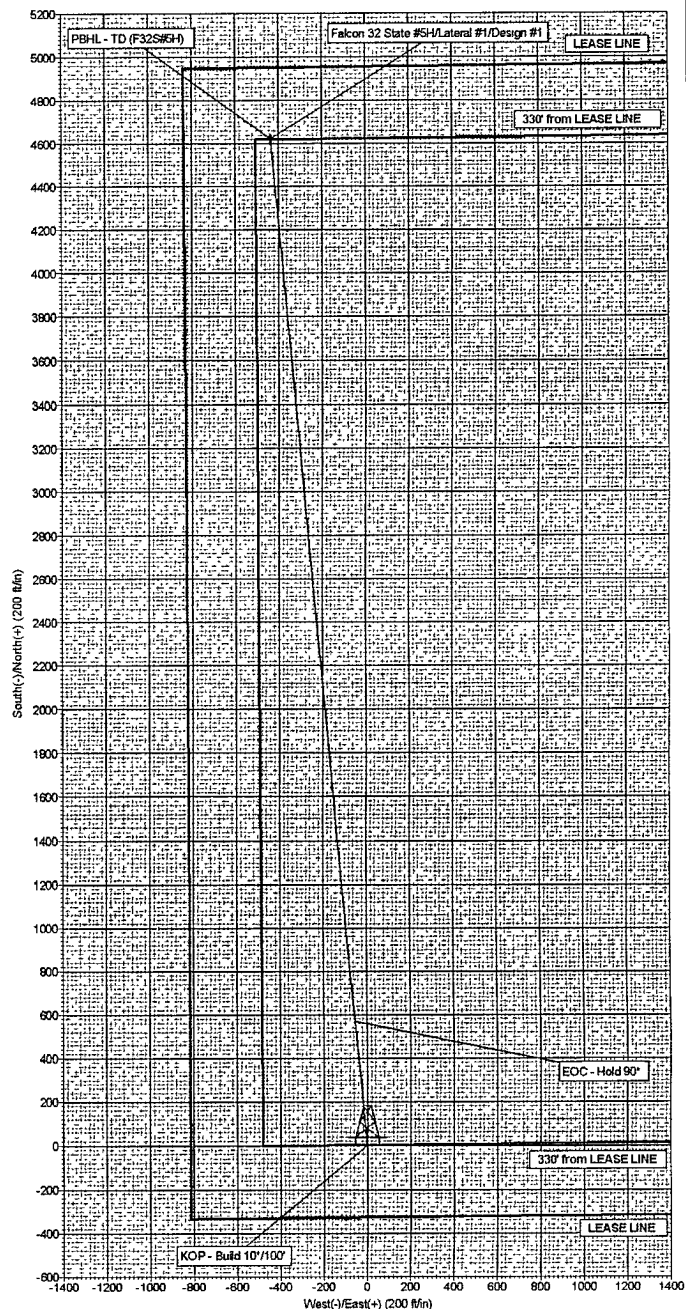
Plan Design #1 (Falcon 32 State #5H/Lateral #1)

Created By	Mike Starkey	Date	15 47, December 19 2008
Checked		Date	
Reviewed		Date	
Approved		Date	



Azimuths to Grid North
True North -0.34°
Magnetic North 7.60°

Magnetic Field
Strength: 48885 1snT
Dip Angle: 60.27°
Date: 12/16/2008
Model: K3RF200510



Database:	EDM 2003.21 Midland Server Db	Local Co-ordinate Reference:	Well Falcon 32 State #5H
Company:	Devon Energy	TVD Reference:	WELL @ 3624.00ft (Original Well Elev)
Project:	Eddy Co., New Mexico (Nad 83)	MD Reference:	WELL @ 3624.00ft (Original Well Elev)
Site:	Falcon 32 State #5H	North Reference:	Grid
Well:	Falcon 32 State #5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Design #1		

Project	Eddy Co., New Mexico (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:	Falcon 32 State #5H, Sec 32, T-23S, R-32E				
Site Position:		Northing:	456,947.80 ft	Latitude:	32° 15' 16.740 N
From:	Map	Easting:	736,325.80 ft	Longitude:	103° 42' 9.254 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.34 °

Well	Falcon 32 State #5H					
Well Position	+N/-S	0.00 ft	Northing:	456,947.80 ft	Latitude:	32° 15' 16.740
	+E/-W	0.00 ft	Easting:	736,325.80 ft	Longitude:	103° 42' 9.254 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	3,624.00 ft	Ground Level:	3,607.00 ft

Wellbore	Lateral #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/18/2008	7.93	60.27	48,895

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	8,184.00	0.00	0.00	354.63

Plan Sections.										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,611.04	0.00	0.00	7,611.04	0.00	0.00	0.00	0.00	0.00	0.00	
8,511.04	90.00	354.63	8,184.00	570.45	-53.59	10.00	10.00	0.00	354.63	
12,580.81	90.00	354.63	8,184.00	4,622.37	-434.26	0.00	0.00	0.00	0.00	PBHL - TD (F32S#5)



CUDD Drilling & Measurement Services
Planning Report



Database: EDM 2003.21 Midland Server Db
Company: Devon Energy
Project: Eddy Co., New Mexico (Nad 83)
Site: Falcon 32 State #5H
Well: Falcon 32 State #5H
Wellbore: Lateral #1
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Falcon 32 State #5H
WELL @ 3624.00ft (Original Well Elev)
WELL @ 3624.00ft (Original Well Elev)
Grid
Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,338.00	0.00	0.00	1,338.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
4,469.00	0.00	0.00	4,469.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
4,704.00	0.00	0.00	4,704.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware/Lamar									
4,739.00	0.00	0.00	4,739.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon									
5,599.00	0.00	0.00	5,599.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
6,854.00	0.00	0.00	6,854.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
7,611.04	0.00	0.00	7,611.04	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build 10°/100'									
8,511.04	90.00	354.63	8,184.00	570.44	-53.59	572.96	10.00	10.00	0.00
EOC - Hold 90°									
12,580.81	90.00	354.63	8,184.00	4,622.37	-434.26	4,642.73	0.00	0.00	0.00
PBHL - TD (F32S#5H)									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,000.00	1,000.00	Rustler		0.00	
1,338.00	1,338.00	Salado		0.00	
4,469.00	4,469.00	Base Salt		0.00	
4,704.00	4,704.00	Delaware/Lamar		0.00	
4,739.00	4,739.00	Bell Canyon		0.00	
5,599.00	5,599.00	Cherry Canyon		0.00	
6,854.00	6,854.00	Brushy Canyon		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates	Comment
		+N/-S (ft)	+E/-W (ft)
7,611.04	7,611.04	0.00	0.00
8,511.04	8,184.00	570.44	-53.59
			KOP - Build 10°/100'
			EOC - Hold 90°