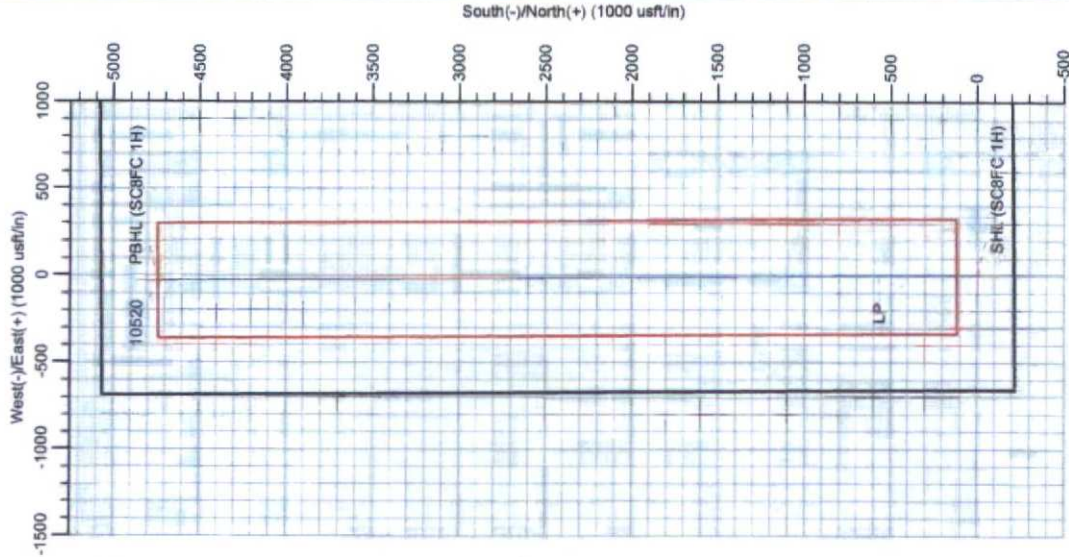


DEVON ENERGY

Project: Lea County, NM (NAD-83)
 Site: Stray Cat 8 Fed Com
 Well: 1H
 Wellbore: OH
 Design: Plan #1



PROJECT DETAILS: Lea County, NM (NAD-83)
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone



DESIGN TARGET DETAILS

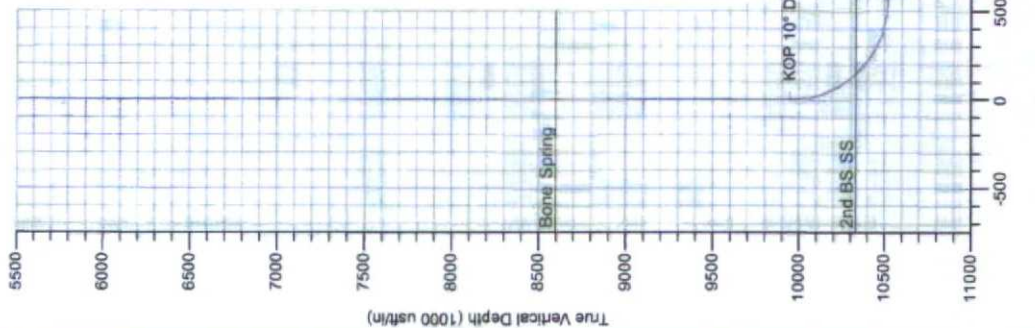
Name	SHL (SC8FC 1H)	PBHL (SC8FC 1H)	TVD	+N-S	+E-W	North	East	Latitude	Longitude
1	0.00	0.00	0.00	0.00	0.00	477942.08	736043.43	32° 18' 44.503 N	103° 42' 11.706 W
2	0.00	0.00	0.00	0.00	0.00	477942.08	736043.43	32° 19' 31.415 N	103° 42' 11.141 W
3	0.00	0.00	0.00	0.00	0.00	477942.08	736043.43		
4	0.00	0.00	0.00	0.00	0.00	477942.08	736043.43		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	V/Sect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP 10° DLS
2	9947.04	0.00	0.00	9947.04	0.00	0.00	0.00	0.00	0.00	LP
3	10847.04	90.00	359.83	10520.00	572.95	-3.74	10.00	359.83	572.96	TD
4	15014.81	90.00	359.83	10520.00	4740.82	-30.92	0.00	0.00	4740.72	

FORMATION TOP DETAILS

MDPPath	Formation	DipAngle	DipDir
1103.00	Rustler	0.00	
4564.00	Base Salt	0.00	
4746.00	Lamar	0.00	
4794.00	Delaware Group	0.00	
8598.00	Bone Spring	0.00	
10333.00	2nd BS SS	0.00	



LEAM DRILLING SYSTEMS LLC
 2010 East Davis, Conroe, Texas 77301
 Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (1-HOH)
 Stray Cat 8 Fed Com
 Created By: Brady Dwyer
 Date: 10/27, February 25, 2015
 Approved: _____
 Date: _____

DEC 21 2015



DEVON ENERGY

Lea County, NM (NAD-83)

Stray Cat 8 Fed Com

1H

OH

Plan: Plan #1

Standard Planning Report

23 February, 2015





LEAM Drilling Systems LLC

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 1H
Company:	DEVON ENERGY	TVD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Site:	Stray Cat 8 Fed Com	North Reference:	Grid
Well:	1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea County, NM (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	Stray Cat 8 Fed Com		
Site Position:		Northing:	477,942.08 usft
From:	Map	Easting:	736,043.43 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 44.503 N
		Longitude:	103° 42' 11.106 W
		Grid Convergence:	0.34 °

Well	1H, 2nd BS SS		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,617.90 usft
		Latitude:	32° 18' 44.503 N
		Longitude:	103° 42' 11.106 W
		Ground Level:	3,592.90 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	2/23/2015	7.37	60.15	48,234

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.63

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,947.04	0.00	0.00	9,947.04	0.00	0.00	0.00	0.00	0.00	0.00	
10,847.04	90.00	359.63	10,520.00	572.95	-3.74	10.00	10.00	0.00	359.63	
15,014.81	90.00	359.63	10,520.00	4,740.62	-30.92	0.00	0.00	0.00	0.00	PBHL (SC8FC 1H)



LEAM Drilling Systems LLC

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 1H
Company:	DEVON ENERGY	TVD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Site:	Stray Cat 8 Fed Com	North Reference:	Grid
Well:	1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL (SC8FC 1H)									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	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
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,103.00	0.00	0.00	1,103.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,564.00	0.00	0.00	4,564.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00



LEAM Drilling Systems LLC
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 1H
Company:	DEVON ENERGY	TVD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Site:	Stray Cat 8 Fed Com	North Reference:	Grid
Well:	1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
4,746.00	0.00	0.00	4,746.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar									
4,794.00	0.00	0.00	4,794.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware Group									
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,598.00	0.00	0.00	8,598.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring									
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00



LEAM Drilling Systems LLC
Planning Report



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Site:	Stray Cat 8 Fed Com	North Reference:	Grid
Well:	1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,947.04	0.00	0.00	9,947.04	0.00	0.00	0.00	0.00	0.00	0.00
KOP 10" DLS									
9,950.00	0.30	359.63	9,950.00	0.01	0.00	0.01	10.00	10.00	0.00
10,000.00	5.30	359.63	9,999.92	2.45	-0.02	2.45	10.00	10.00	0.00
10,050.00	10.30	359.63	10,049.45	9.23	-0.06	9.23	10.00	10.00	0.00
10,100.00	15.30	359.63	10,098.19	20.30	-0.13	20.30	10.00	10.00	0.00
10,150.00	20.30	359.63	10,145.78	35.57	-0.23	35.57	10.00	10.00	0.00
10,200.00	25.30	359.63	10,191.86	54.94	-0.36	54.94	10.00	10.00	0.00
10,250.00	30.30	359.63	10,236.08	78.25	-0.51	78.25	10.00	10.00	0.00
10,300.00	35.30	359.63	10,278.10	105.32	-0.69	105.32	10.00	10.00	0.00
10,350.00	40.30	359.63	10,317.59	135.95	-0.89	135.95	10.00	10.00	0.00
10,370.52	42.35	359.63	10,333.00	149.50	-0.98	149.50	10.00	10.00	0.00
2nd BS SS									
10,400.00	45.30	359.63	10,354.27	169.91	-1.11	169.91	10.00	10.00	0.00
10,450.00	50.30	359.63	10,387.85	206.93	-1.35	206.94	10.00	10.00	0.00
10,500.00	55.30	359.63	10,418.07	246.74	-1.61	246.75	10.00	10.00	0.00
10,550.00	60.30	359.63	10,444.71	289.04	-1.89	289.04	10.00	10.00	0.00
10,600.00	65.30	359.63	10,467.56	333.49	-2.18	333.50	10.00	10.00	0.00
10,650.00	70.30	359.63	10,486.45	379.77	-2.48	379.78	10.00	10.00	0.00
10,700.00	75.30	359.63	10,501.24	427.52	-2.79	427.52	10.00	10.00	0.00
10,750.00	80.30	359.63	10,511.80	476.37	-3.11	476.38	10.00	10.00	0.00
10,800.00	85.30	359.63	10,518.07	525.96	-3.43	525.97	10.00	10.00	0.00
10,847.04	90.00	359.63	10,520.00	572.95	-3.74	572.96	10.00	10.00	0.00
LP									
10,900.00	90.00	359.63	10,520.00	625.90	-4.08	625.92	0.00	0.00	0.00
11,000.00	90.00	359.63	10,520.00	725.90	-4.73	725.92	0.00	0.00	0.00
11,100.00	90.00	359.63	10,520.00	825.90	-5.39	825.92	0.00	0.00	0.00
11,200.00	90.00	359.63	10,520.00	925.90	-6.04	925.92	0.00	0.00	0.00
11,300.00	90.00	359.63	10,520.00	1,025.89	-6.69	1,025.92	0.00	0.00	0.00
11,400.00	90.00	359.63	10,520.00	1,125.89	-7.34	1,125.92	0.00	0.00	0.00
11,500.00	90.00	359.63	10,520.00	1,225.89	-8.00	1,225.92	0.00	0.00	0.00
11,600.00	90.00	359.63	10,520.00	1,325.89	-8.65	1,325.92	0.00	0.00	0.00
11,700.00	90.00	359.63	10,520.00	1,425.89	-9.30	1,425.92	0.00	0.00	0.00
11,800.00	90.00	359.63	10,520.00	1,525.88	-9.95	1,525.92	0.00	0.00	0.00
11,900.00	90.00	359.63	10,520.00	1,625.88	-10.60	1,625.92	0.00	0.00	0.00
12,000.00	90.00	359.63	10,520.00	1,725.88	-11.26	1,725.92	0.00	0.00	0.00
12,100.00	90.00	359.63	10,520.00	1,825.88	-11.91	1,825.92	0.00	0.00	0.00
12,200.00	90.00	359.63	10,520.00	1,925.87	-12.56	1,925.92	0.00	0.00	0.00
12,300.00	90.00	359.63	10,520.00	2,025.87	-13.21	2,025.92	0.00	0.00	0.00
12,400.00	90.00	359.63	10,520.00	2,125.87	-13.87	2,125.92	0.00	0.00	0.00
12,500.00	90.00	359.63	10,520.00	2,225.87	-14.52	2,225.92	0.00	0.00	0.00
12,600.00	90.00	359.63	10,520.00	2,325.87	-15.17	2,325.92	0.00	0.00	0.00
12,700.00	90.00	359.63	10,520.00	2,425.86	-15.82	2,425.92	0.00	0.00	0.00
12,800.00	90.00	359.63	10,520.00	2,525.86	-16.47	2,525.92	0.00	0.00	0.00
12,900.00	90.00	359.63	10,520.00	2,625.86	-17.13	2,625.92	0.00	0.00	0.00
13,000.00	90.00	359.63	10,520.00	2,725.86	-17.78	2,725.92	0.00	0.00	0.00
13,100.00	90.00	359.63	10,520.00	2,825.86	-18.43	2,825.92	0.00	0.00	0.00
13,200.00	90.00	359.63	10,520.00	2,925.85	-19.08	2,925.92	0.00	0.00	0.00



LEAM Drilling Systems LLC
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 1H
Company:	DEVON ENERGY	TVD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Project:	Lea County, NM (NAD-83)	MD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Site:	Stray Cat 8 Fed Com	North Reference:	Grid
Well:	1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
13,300.00	90.00	359.63	10,520.00	3,025.85	-19.74	3,025.92	0.00	0.00	0.00
13,400.00	90.00	359.63	10,520.00	3,125.85	-20.39	3,125.92	0.00	0.00	0.00
13,500.00	90.00	359.63	10,520.00	3,225.85	-21.04	3,225.92	0.00	0.00	0.00
13,600.00	90.00	359.63	10,520.00	3,325.84	-21.69	3,325.92	0.00	0.00	0.00
13,700.00	90.00	359.63	10,520.00	3,425.84	-22.34	3,425.92	0.00	0.00	0.00
13,800.00	90.00	359.63	10,520.00	3,525.84	-23.00	3,525.92	0.00	0.00	0.00
13,900.00	90.00	359.63	10,520.00	3,625.84	-23.65	3,625.92	0.00	0.00	0.00
14,000.00	90.00	359.63	10,520.00	3,725.84	-24.30	3,725.92	0.00	0.00	0.00
14,100.00	90.00	359.63	10,520.00	3,825.83	-24.95	3,825.92	0.00	0.00	0.00
14,200.00	90.00	359.63	10,520.00	3,925.83	-25.61	3,925.92	0.00	0.00	0.00
14,300.00	90.00	359.63	10,520.00	4,025.83	-26.26	4,025.92	0.00	0.00	0.00
14,400.00	90.00	359.63	10,520.00	4,125.83	-26.91	4,125.92	0.00	0.00	0.00
14,500.00	90.00	359.63	10,520.00	4,225.83	-27.56	4,225.92	0.00	0.00	0.00
14,600.00	90.00	359.63	10,520.00	4,325.82	-28.21	4,325.92	0.00	0.00	0.00
14,700.00	90.00	359.63	10,520.00	4,425.82	-28.87	4,425.92	0.00	0.00	0.00
14,800.00	90.00	359.63	10,520.00	4,525.82	-29.52	4,525.92	0.00	0.00	0.00
14,900.00	90.00	359.63	10,520.00	4,625.82	-30.17	4,625.92	0.00	0.00	0.00
15,000.00	90.00	359.63	10,520.00	4,725.82	-30.82	4,725.92	0.00	0.00	0.00
15,014.81	90.00	359.63	10,520.00	4,740.62	-30.92	4,740.72	0.00	0.00	0.00

TD - PBHL (SC8FC 1H)

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									
SHL (SC8FC 1H)	0.00	0.00	0.00	0.00	0.00	477,942.08	736,043.43	32° 18' 44.503 N	103° 42' 11.106 W
- plan hits target center									
- Point									
PBHL (SC8FC 1H)	0.00	0.00	10,520.00	4,740.62	-30.92	482,682.70	736,012.51	32° 19' 31.415 N	103° 42' 11.141 W
- plan hits target center									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,103.00	1,103.00	Rustler		0.00	
4,564.00	4,564.00	Base Salt		0.00	
4,746.00	4,746.00	Lamar		0.00	
4,794.00	4,794.00	Delaware Group		0.00	
8,598.00	8,598.00	Bone Spring		0.00	
10,370.52	10,333.00	2nd BS SS		0.00	



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Project:	Lea County, NM (NAD-83)	MD Reference:	3592.9' GL + 25' RKB @ 3617.90usft
Site:	Stray Cat 8 Fed Com	North Reference:	Grid
Well:	1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,947.04	9,947.04	0.00	0.00	KOP 10" DLS
10,847.04	10,520.00	572.95	-3.74	LP
15,014.81	10,520.00	4,740.82	-30.92	TD