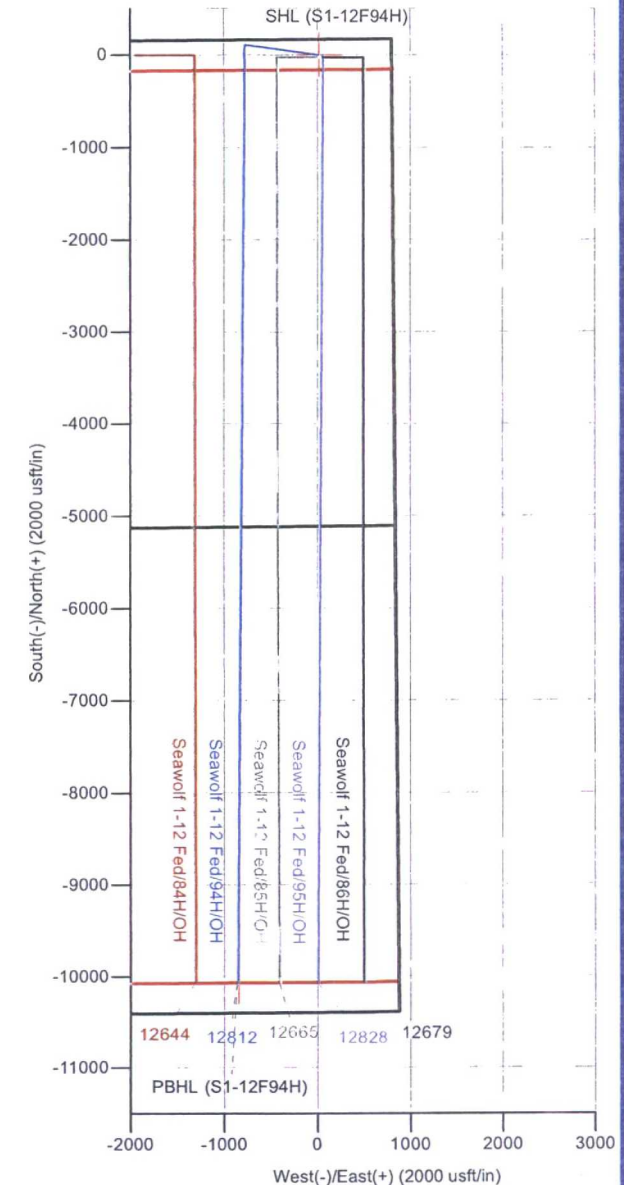
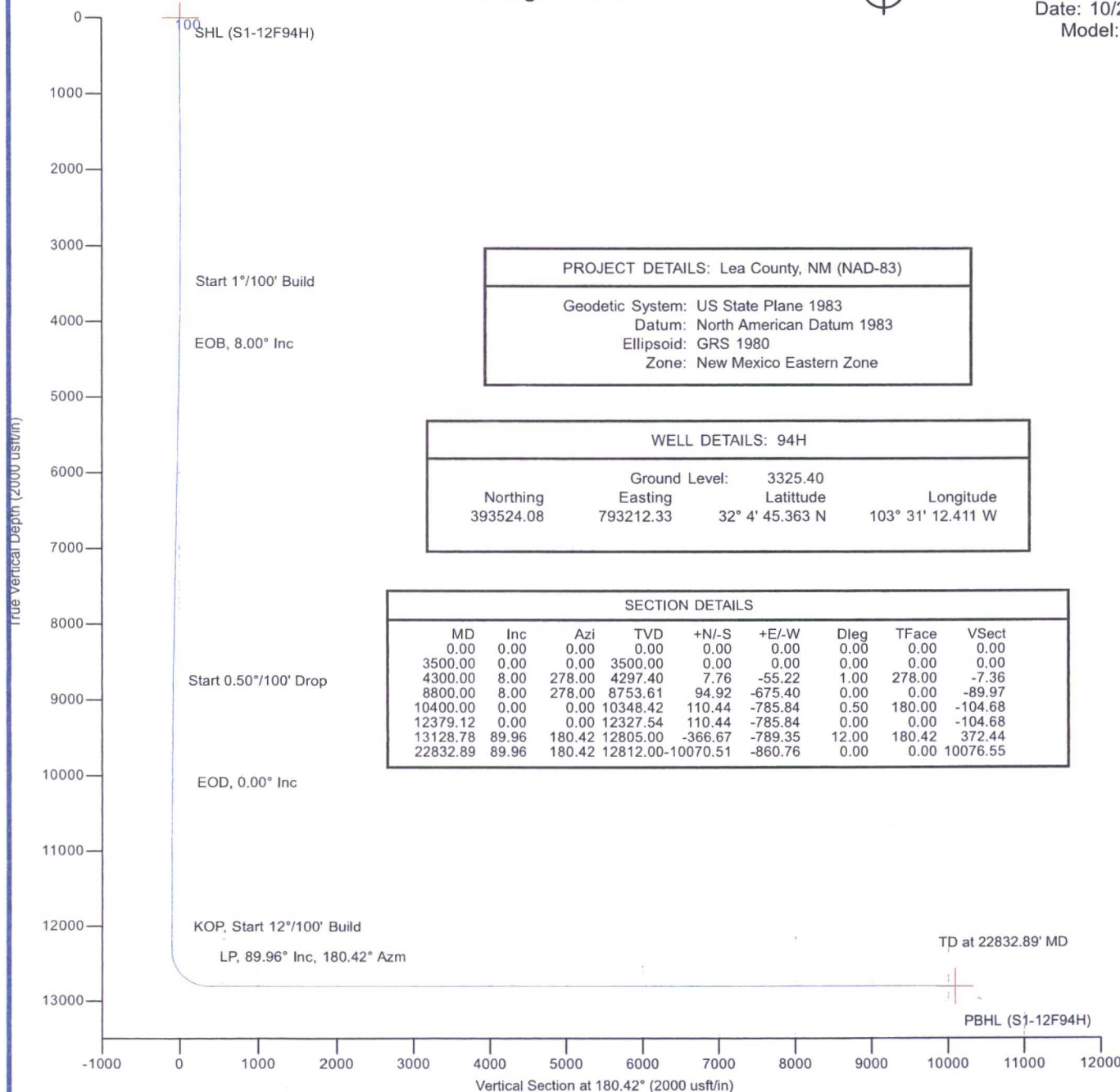




Project: Lea County, NM (NAD-83)
 Site: Seawolf 1-12 Fed
 Well: 94H
 Wellbore: OH
 Design: Plan #1



Azimuths to Grid North
 True North: -0.43°
 Magnetic North: 6.45°
 Magnetic Field
 Strength: 48023.8snT
 Dip Angle: 59.82°
 Date: 10/27/2016
 Model: HDGM



DEVON ENERGY

Lea County, NM (NAD-83)

Seawolf 1-12 Fed

94H

OH

Plan: Plan #1

HOBBS OCD

MAY 08 2017

RECEIVED

Standard Planning Report

27 October, 2016

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Site: Seawolf 1-12 Fed
Well: 94H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 94H
TVD Reference: 3325.4' GE @ 3348.90usft
MD Reference: 3325.4' GE @ 3348.90usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Seawolf 1-12 Fed			
Site Position:		Northing:	393,465.79 usft	Latitude: 32° 4' 45.071 N
From:	Map	Easting:	789,363.16 usft	Longitude: 103° 31' 57.152 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.43 °

Well	94H			
Well Position	+N/-S	58.29 usft	Northing:	393,524.08 usft
	+E/-W	3,849.17 usft	Easting:	793,212.33 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,325.40 usft

Wellbore	OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)
	HDGM	10/27/2016	6.88	59.82
				Field Strength (nT) 48,024

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	180.42

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	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,300.00	8.00	278.00	4,297.40	7.76	-55.22	1.00	1.00	0.00	278.00	
8,800.00	8.00	278.00	8,753.61	94.92	-675.40	0.00	0.00	0.00	0.00	
10,400.00	0.00	0.00	10,348.42	110.44	-785.84	0.50	-0.50	0.00	180.00	
12,379.12	0.00	0.00	12,327.54	110.44	-785.84	0.00	0.00	0.00	0.00	
13,128.78	89.96	180.42	12,805.00	-366.67	-789.35	12.00	12.00	-23.95	180.42	
22,832.89	89.96	180.42	12,812.00	-10,070.51	-860.76	0.00	0.00	0.00	0.00	PBHL (S1-12F94H)

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Site: Seawolf 1-12 Fed
Well: 94H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 94H
TVD Reference: 3325.4' GE @ 3348.90usft
MD Reference: 3325.4' GE @ 3348.90usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 (S1-12F94H)									
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
918.90	0.00	0.00	918.90	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,283.90	0.00	0.00	1,283.90	0.00	0.00	0.00	0.00	0.00	0.00
Top of Salt									
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
Start 1°/100' Build									
3,600.00	1.00	278.00	3,600.00	0.12	-0.86	-0.12	1.00	1.00	0.00
3,700.00	2.00	278.00	3,699.96	0.49	-3.46	-0.46	1.00	1.00	0.00
3,800.00	3.00	278.00	3,799.86	1.09	-7.78	-1.04	1.00	1.00	0.00
3,900.00	4.00	278.00	3,899.68	1.94	-13.82	-1.84	1.00	1.00	0.00
4,000.00	5.00	278.00	3,999.37	3.03	-21.59	-2.88	1.00	1.00	0.00
4,100.00	6.00	278.00	4,098.90	4.37	-31.08	-4.14	1.00	1.00	0.00
4,200.00	7.00	278.00	4,198.26	5.94	-42.29	-5.63	1.00	1.00	0.00
4,300.00	8.00	278.00	4,297.40	7.76	-55.22	-7.36	1.00	1.00	0.00
EOB, 8.00° Inc									
4,400.00	8.00	278.00	4,396.43	9.70	-69.00	-9.19	0.00	0.00	0.00
4,500.00	8.00	278.00	4,495.46	11.63	-82.78	-11.03	0.00	0.00	0.00
4,600.00	8.00	278.00	4,594.48	13.57	-96.56	-12.86	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Site: Seawolf 1-12 Fed
Well: 94H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 94H
TVD Reference: 3325.4' GE @ 3348.90usft
MD Reference: 3325.4' GE @ 3348.90usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
4,700.00	8.00	278.00	4,693.51	15.51	-110.34	-14.70	0.00	0.00	0.00
4,800.00	8.00	278.00	4,792.54	17.44	-124.13	-16.53	0.00	0.00	0.00
4,900.00	8.00	278.00	4,891.56	19.38	-137.91	-18.37	0.00	0.00	0.00
4,962.95	8.00	278.00	4,953.90	20.60	-146.58	-19.53	0.00	0.00	0.00
Base of Salt									
5,000.00	8.00	278.00	4,990.59	21.32	-151.69	-20.21	0.00	0.00	0.00
5,100.00	8.00	278.00	5,089.62	23.26	-165.47	-22.04	0.00	0.00	0.00
5,175.01	8.00	278.00	5,163.90	24.71	-175.81	-23.42	0.00	0.00	0.00
Delaware									
5,200.00	8.00	278.00	5,188.64	25.19	-179.25	-23.88	0.00	0.00	0.00
5,300.00	8.00	278.00	5,287.67	27.13	-193.04	-25.71	0.00	0.00	0.00
5,400.00	8.00	278.00	5,386.70	29.07	-206.82	-27.55	0.00	0.00	0.00
5,500.00	8.00	278.00	5,485.72	31.00	-220.60	-29.39	0.00	0.00	0.00
5,600.00	8.00	278.00	5,584.75	32.94	-234.38	-31.22	0.00	0.00	0.00
5,700.00	8.00	278.00	5,683.78	34.88	-248.16	-33.06	0.00	0.00	0.00
5,800.00	8.00	278.00	5,782.81	36.81	-261.95	-34.89	0.00	0.00	0.00
5,900.00	8.00	278.00	5,881.83	38.75	-275.73	-36.73	0.00	0.00	0.00
6,000.00	8.00	278.00	5,980.86	40.69	-289.51	-38.56	0.00	0.00	0.00
6,100.00	8.00	278.00	6,079.89	42.62	-303.29	-40.40	0.00	0.00	0.00
6,200.00	8.00	278.00	6,178.91	44.56	-317.07	-42.24	0.00	0.00	0.00
6,300.00	8.00	278.00	6,277.94	46.50	-330.85	-44.07	0.00	0.00	0.00
6,400.00	8.00	278.00	6,376.97	48.44	-344.64	-45.91	0.00	0.00	0.00
6,500.00	8.00	278.00	6,475.99	50.37	-358.42	-47.74	0.00	0.00	0.00
6,600.00	8.00	278.00	6,575.02	52.31	-372.20	-49.58	0.00	0.00	0.00
6,700.00	8.00	278.00	6,674.05	54.25	-385.98	-51.42	0.00	0.00	0.00
6,800.00	8.00	278.00	6,773.07	56.18	-399.76	-53.25	0.00	0.00	0.00
6,900.00	8.00	278.00	6,872.10	58.12	-413.55	-55.09	0.00	0.00	0.00
7,000.00	8.00	278.00	6,971.13	60.06	-427.33	-56.92	0.00	0.00	0.00
7,100.00	8.00	278.00	7,070.15	61.99	-441.11	-58.76	0.00	0.00	0.00
7,200.00	8.00	278.00	7,169.18	63.93	-454.89	-60.59	0.00	0.00	0.00
7,300.00	8.00	278.00	7,268.21	65.87	-468.67	-62.43	0.00	0.00	0.00
7,400.00	8.00	278.00	7,367.23	67.80	-482.46	-64.27	0.00	0.00	0.00
7,500.00	8.00	278.00	7,466.26	69.74	-496.24	-66.10	0.00	0.00	0.00
7,600.00	8.00	278.00	7,565.29	71.68	-510.02	-67.94	0.00	0.00	0.00
7,700.00	8.00	278.00	7,664.31	73.62	-523.80	-69.77	0.00	0.00	0.00
7,800.00	8.00	278.00	7,763.34	75.55	-537.58	-71.61	0.00	0.00	0.00
7,900.00	8.00	278.00	7,862.37	77.49	-551.36	-73.45	0.00	0.00	0.00
8,000.00	8.00	278.00	7,961.40	79.43	-565.15	-75.28	0.00	0.00	0.00
8,100.00	8.00	278.00	8,060.42	81.36	-578.93	-77.12	0.00	0.00	0.00
8,200.00	8.00	278.00	8,159.45	83.30	-592.71	-78.95	0.00	0.00	0.00
8,300.00	8.00	278.00	8,258.48	85.24	-606.49	-80.79	0.00	0.00	0.00
8,400.00	8.00	278.00	8,357.50	87.17	-620.27	-82.62	0.00	0.00	0.00
8,500.00	8.00	278.00	8,456.53	89.11	-634.06	-84.46	0.00	0.00	0.00
8,600.00	8.00	278.00	8,555.56	91.05	-647.84	-86.30	0.00	0.00	0.00
8,700.00	8.00	278.00	8,654.58	92.98	-661.62	-88.13	0.00	0.00	0.00
8,800.00	8.00	278.00	8,753.61	94.92	-675.40	-89.97	0.00	0.00	0.00
Start 0.50°/100' Drop									
8,900.00	7.50	278.00	8,852.70	96.80	-688.76	-91.75	0.50	-0.50	0.00
9,000.00	7.00	278.00	8,951.90	98.55	-701.25	-93.41	0.50	-0.50	0.00
9,100.00	6.50	278.00	9,051.20	100.19	-712.89	-94.96	0.50	-0.50	0.00
9,200.00	6.00	278.00	9,150.61	101.71	-723.67	-96.40	0.50	-0.50	0.00
9,293.77	5.53	278.00	9,243.90	103.02	-733.00	-97.64	0.50	-0.50	0.00

Lower Brushy Canyon

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Site: Seawolf 1-12 Fed
Well: 94H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 94H
TVD Reference: 3325.4' GE @ 3348.90usft
MD Reference: 3325.4' GE @ 3348.90usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
9,300.00	5.50	278.00	9,250.10	103.10	-733.59	-97.72	0.50	-0.50	0.00
9,400.00	5.00	278.00	9,349.68	104.37	-742.65	-98.93	0.50	-0.50	0.00
9,444.38	4.78	278.00	9,393.90	104.90	-746.40	-99.43	0.50	-0.50	0.00
1st BSPG Lime									
9,500.00	4.50	278.00	9,449.34	105.53	-750.85	-100.02	0.50	-0.50	0.00
9,600.00	4.00	278.00	9,549.07	106.56	-758.19	-101.00	0.50	-0.50	0.00
9,700.00	3.50	278.00	9,648.85	107.47	-764.67	-101.86	0.50	-0.50	0.00
9,800.00	3.00	278.00	9,748.69	108.26	-770.28	-102.61	0.50	-0.50	0.00
9,900.00	2.50	278.00	9,848.57	108.92	-775.04	-103.24	0.50	-0.50	0.00
10,000.00	2.00	278.00	9,948.50	109.47	-778.92	-103.76	0.50	-0.50	0.00
10,100.00	1.50	278.00	10,048.45	109.90	-781.95	-104.16	0.50	-0.50	0.00
10,200.00	1.00	278.00	10,148.43	110.20	-784.11	-104.45	0.50	-0.50	0.00
10,300.00	0.50	278.00	10,248.42	110.38	-785.40	-104.62	0.50	-0.50	0.00
10,380.48	0.10	278.00	10,328.90	110.44	-785.82	-104.68	0.50	-0.50	0.00
1st BSPG Sand									
10,400.00	0.00	0.00	10,348.42	110.44	-785.84	-104.68	0.50	-0.50	0.00
EOD, 0.00° Inc									
10,500.00	0.00	0.00	10,448.42	110.44	-785.84	-104.68	0.00	0.00	0.00
10,600.00	0.00	0.00	10,548.42	110.44	-785.84	-104.68	0.00	0.00	0.00
10,640.48	0.00	0.00	10,588.90	110.44	-785.84	-104.68	0.00	0.00	0.00
2nd BSPG Lime									
10,700.00	0.00	0.00	10,648.42	110.44	-785.84	-104.68	0.00	0.00	0.00
10,800.00	0.00	0.00	10,748.42	110.44	-785.84	-104.68	0.00	0.00	0.00
10,900.00	0.00	0.00	10,848.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,000.00	0.00	0.00	10,948.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,010.48	0.00	0.00	10,958.90	110.44	-785.84	-104.68	0.00	0.00	0.00
2nd BSPG Sand									
11,100.00	0.00	0.00	11,048.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,200.00	0.00	0.00	11,148.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,300.00	0.00	0.00	11,248.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,400.00	0.00	0.00	11,348.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,430.48	0.00	0.00	11,378.90	110.44	-785.84	-104.68	0.00	0.00	0.00
3rd BSPG Lime									
11,500.00	0.00	0.00	11,448.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,600.00	0.00	0.00	11,548.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,700.00	0.00	0.00	11,648.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,800.00	0.00	0.00	11,748.42	110.44	-785.84	-104.68	0.00	0.00	0.00
11,900.00	0.00	0.00	11,848.42	110.44	-785.84	-104.68	0.00	0.00	0.00
12,000.00	0.00	0.00	11,948.42	110.44	-785.84	-104.68	0.00	0.00	0.00
12,020.48	0.00	0.00	11,968.90	110.44	-785.84	-104.68	0.00	0.00	0.00
3rd BSPG Sand									
12,100.00	0.00	0.00	12,048.42	110.44	-785.84	-104.68	0.00	0.00	0.00
12,200.00	0.00	0.00	12,148.42	110.44	-785.84	-104.68	0.00	0.00	0.00
12,300.00	0.00	0.00	12,248.42	110.44	-785.84	-104.68	0.00	0.00	0.00
12,379.12	0.00	0.00	12,327.54	110.44	-785.84	-104.68	0.00	0.00	0.00
KOP, Start 12°/100' Build									
12,400.00	2.51	180.42	12,348.41	109.99	-785.84	-104.22	12.00	12.00	0.00
12,425.00	5.51	180.42	12,373.35	108.24	-785.85	-102.48	12.00	12.00	0.00
12,450.00	8.51	180.42	12,398.16	105.19	-785.87	-99.43	12.00	12.00	0.00
12,475.00	11.51	180.42	12,422.77	100.85	-785.91	-95.08	12.00	12.00	0.00
12,486.38	12.87	180.42	12,433.90	98.44	-785.92	-92.68	12.00	12.00	0.00
Wolfcamp									
12,500.00	14.51	180.42	12,447.13	95.22	-785.95	-89.46	12.00	12.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Site: Seawolf 1-12 Fed
Well: 94H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 94H
TVD Reference: 3325.4' GE @ 3348.90usft
MD Reference: 3325.4' GE @ 3348.90usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
12,525.00	17.51	180.42	12,471.16	88.33	-786.00	-82.57	12.00	12.00	0.00
12,550.00	20.51	180.42	12,494.79	80.19	-786.06	-74.43	12.00	12.00	0.00
12,575.00	23.51	180.42	12,517.97	70.82	-786.13	-65.06	12.00	12.00	0.00
12,600.00	26.51	180.42	12,540.62	60.26	-786.21	-54.49	12.00	12.00	0.00
12,625.00	29.51	180.42	12,562.69	48.52	-786.29	-42.76	12.00	12.00	0.00
12,650.00	32.51	180.42	12,584.12	35.64	-786.39	-29.88	12.00	12.00	0.00
12,675.00	35.51	180.42	12,604.84	21.66	-786.49	-15.90	12.00	12.00	0.00
12,700.00	38.51	180.42	12,624.80	6.62	-786.60	-0.85	12.00	12.00	0.00
12,705.26	39.14	180.42	12,628.90	3.32	-786.62	2.45	12.00	12.00	0.00
Wolfcamp "A"									
12,725.00	41.51	180.42	12,643.95	-9.45	-786.72	15.22	12.00	12.00	0.00
12,750.00	44.51	180.42	12,662.23	-26.50	-786.84	32.27	12.00	12.00	0.00
12,775.00	47.51	180.42	12,679.59	-44.48	-786.98	50.25	12.00	12.00	0.00
12,800.00	50.51	180.42	12,695.99	-63.35	-787.11	69.12	12.00	12.00	0.00
12,825.00	53.51	180.42	12,711.38	-83.05	-787.26	88.82	12.00	12.00	0.00
12,850.00	56.51	180.42	12,725.71	-103.53	-787.41	109.29	12.00	12.00	0.00
12,875.00	59.51	180.42	12,738.96	-124.72	-787.57	130.49	12.00	12.00	0.00
12,884.92	60.70	180.42	12,743.90	-133.32	-787.63	139.09	12.00	12.00	0.00
Wolfcamp A 120									
12,900.00	62.51	180.42	12,751.07	-146.59	-787.73	152.36	12.00	12.00	0.00
12,925.00	65.51	180.42	12,762.03	-169.06	-787.89	174.83	12.00	12.00	0.00
12,950.00	68.51	180.42	12,771.79	-192.07	-788.06	197.84	12.00	12.00	0.00
12,975.00	71.51	180.42	12,780.34	-215.56	-788.23	221.33	12.00	12.00	0.00
13,000.00	74.51	180.42	12,787.65	-239.46	-788.41	245.23	12.00	12.00	0.00
13,025.00	77.51	180.42	12,793.69	-263.72	-788.59	269.49	12.00	12.00	0.00
13,050.00	80.51	180.42	12,798.46	-288.25	-788.77	294.03	12.00	12.00	0.00
13,075.00	83.51	180.42	12,801.94	-313.01	-788.95	318.78	12.00	12.00	0.00
13,100.00	86.51	180.42	12,804.11	-337.91	-789.14	343.68	12.00	12.00	0.00
13,119.32	88.82	180.42	12,804.90	-357.21	-789.28	362.99	12.00	12.00	0.00
Wolfcamp A 120 Target									
13,125.00	89.51	180.42	12,804.98	-362.89	-789.32	368.67	12.00	12.00	0.00
13,128.78	89.96	180.42	12,805.00	-366.67	-789.35	372.44	12.00	12.00	0.00
LP, 89.96° Inc, 180.42° Azm									
13,200.00	89.96	180.42	12,805.05	-437.89	-789.87	443.67	0.00	0.00	0.00
13,300.00	89.96	180.42	12,805.12	-537.89	-790.61	543.67	0.00	0.00	0.00
13,400.00	89.96	180.42	12,805.20	-637.88	-791.34	643.67	0.00	0.00	0.00
13,500.00	89.96	180.42	12,805.27	-737.88	-792.08	743.67	0.00	0.00	0.00
13,600.00	89.96	180.42	12,805.34	-837.88	-792.81	843.67	0.00	0.00	0.00
13,700.00	89.96	180.42	12,805.41	-937.87	-793.55	943.67	0.00	0.00	0.00
13,800.00	89.96	180.42	12,805.48	-1,037.87	-794.29	1,043.67	0.00	0.00	0.00
13,900.00	89.96	180.42	12,805.56	-1,137.87	-795.02	1,143.67	0.00	0.00	0.00
14,000.00	89.96	180.42	12,805.63	-1,237.87	-795.76	1,243.67	0.00	0.00	0.00
14,100.00	89.96	180.42	12,805.70	-1,337.86	-796.49	1,343.67	0.00	0.00	0.00
14,200.00	89.96	180.42	12,805.77	-1,437.86	-797.23	1,443.67	0.00	0.00	0.00
14,300.00	89.96	180.42	12,805.85	-1,537.86	-797.97	1,543.67	0.00	0.00	0.00
14,400.00	89.96	180.42	12,805.92	-1,637.86	-798.70	1,643.67	0.00	0.00	0.00
14,500.00	89.96	180.42	12,805.99	-1,737.85	-799.44	1,743.67	0.00	0.00	0.00
14,600.00	89.96	180.42	12,806.06	-1,837.85	-800.17	1,843.67	0.00	0.00	0.00
14,700.00	89.96	180.42	12,806.13	-1,937.85	-800.91	1,943.67	0.00	0.00	0.00
14,800.00	89.96	180.42	12,806.21	-2,037.84	-801.65	2,043.67	0.00	0.00	0.00
14,900.00	89.96	180.42	12,806.28	-2,137.84	-802.38	2,143.67	0.00	0.00	0.00
15,000.00	89.96	180.42	12,806.35	-2,237.84	-803.12	2,243.67	0.00	0.00	0.00
15,100.00	89.96	180.42	12,806.42	-2,337.84	-803.85	2,343.67	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
Company: DEVON ENERGY
Project: Lea County, NM (NAD-83)
Site: Seawolf 1-12 Fed
Well: 94H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 94H
TVD Reference: 3325.4' GE @ 3348.90usft
MD Reference: 3325.4' GE @ 3348.90usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,200.00	89.96	180.42	12,806.49	-2,437.83	-804.59	2,443.67	0.00	0.00	0.00
15,300.00	89.96	180.42	12,806.57	-2,537.83	-805.33	2,543.67	0.00	0.00	0.00
15,400.00	89.96	180.42	12,806.64	-2,637.83	-806.06	2,643.67	0.00	0.00	0.00
15,500.00	89.96	180.42	12,806.71	-2,737.83	-806.80	2,743.67	0.00	0.00	0.00
15,600.00	89.96	180.42	12,806.78	-2,837.82	-807.53	2,843.67	0.00	0.00	0.00
15,700.00	89.96	180.42	12,806.86	-2,937.82	-808.27	2,943.67	0.00	0.00	0.00
15,800.00	89.96	180.42	12,806.93	-3,037.82	-809.00	3,043.67	0.00	0.00	0.00
15,900.00	89.96	180.42	12,807.00	-3,137.81	-809.74	3,143.67	0.00	0.00	0.00
16,000.00	89.96	180.42	12,807.07	-3,237.81	-810.48	3,243.67	0.00	0.00	0.00
16,100.00	89.96	180.42	12,807.14	-3,337.81	-811.21	3,343.67	0.00	0.00	0.00
16,200.00	89.96	180.42	12,807.22	-3,437.81	-811.95	3,443.67	0.00	0.00	0.00
16,300.00	89.96	180.42	12,807.29	-3,537.80	-812.68	3,543.67	0.00	0.00	0.00
16,400.00	89.96	180.42	12,807.36	-3,637.80	-813.42	3,643.67	0.00	0.00	0.00
16,500.00	89.96	180.42	12,807.43	-3,737.80	-814.16	3,743.67	0.00	0.00	0.00
16,600.00	89.96	180.42	12,807.50	-3,837.80	-814.89	3,843.67	0.00	0.00	0.00
16,700.00	89.96	180.42	12,807.58	-3,937.79	-815.63	3,943.67	0.00	0.00	0.00
16,800.00	89.96	180.42	12,807.65	-4,037.79	-816.36	4,043.67	0.00	0.00	0.00
16,900.00	89.96	180.42	12,807.72	-4,137.79	-817.10	4,143.67	0.00	0.00	0.00
17,000.00	89.96	180.42	12,807.79	-4,237.78	-817.84	4,243.67	0.00	0.00	0.00
17,100.00	89.96	180.42	12,807.87	-4,337.78	-818.57	4,343.67	0.00	0.00	0.00
17,200.00	89.96	180.42	12,807.94	-4,437.78	-819.31	4,443.67	0.00	0.00	0.00
17,300.00	89.96	180.42	12,808.01	-4,537.78	-820.04	4,543.67	0.00	0.00	0.00
17,400.00	89.96	180.42	12,808.08	-4,637.77	-820.78	4,643.67	0.00	0.00	0.00
17,500.00	89.96	180.42	12,808.15	-4,737.77	-821.51	4,743.67	0.00	0.00	0.00
17,600.00	89.96	180.42	12,808.23	-4,837.77	-822.25	4,843.67	0.00	0.00	0.00
17,700.00	89.96	180.42	12,808.30	-4,937.77	-822.99	4,943.67	0.00	0.00	0.00
17,800.00	89.96	180.42	12,808.37	-5,037.76	-823.72	5,043.67	0.00	0.00	0.00
17,900.00	89.96	180.42	12,808.44	-5,137.76	-824.46	5,143.67	0.00	0.00	0.00
18,000.00	89.96	180.42	12,808.51	-5,237.76	-825.19	5,243.67	0.00	0.00	0.00
18,100.00	89.96	180.42	12,808.59	-5,337.75	-825.93	5,343.67	0.00	0.00	0.00
18,200.00	89.96	180.42	12,808.66	-5,437.75	-826.67	5,443.67	0.00	0.00	0.00
18,300.00	89.96	180.42	12,808.73	-5,537.75	-827.40	5,543.66	0.00	0.00	0.00
18,400.00	89.96	180.42	12,808.80	-5,637.75	-828.14	5,643.66	0.00	0.00	0.00
18,500.00	89.96	180.42	12,808.87	-5,737.74	-828.87	5,743.66	0.00	0.00	0.00
18,600.00	89.96	180.42	12,808.95	-5,837.74	-829.61	5,843.66	0.00	0.00	0.00
18,700.00	89.96	180.42	12,809.02	-5,937.74	-830.35	5,943.66	0.00	0.00	0.00
18,800.00	89.96	180.42	12,809.09	-6,037.74	-831.08	6,043.66	0.00	0.00	0.00
18,900.00	89.96	180.42	12,809.16	-6,137.73	-831.82	6,143.66	0.00	0.00	0.00
19,000.00	89.96	180.42	12,809.24	-6,237.73	-832.55	6,243.66	0.00	0.00	0.00
19,100.00	89.96	180.42	12,809.31	-6,337.73	-833.29	6,343.66	0.00	0.00	0.00
19,200.00	89.96	180.42	12,809.38	-6,437.72	-834.03	6,443.66	0.00	0.00	0.00
19,300.00	89.96	180.42	12,809.45	-6,537.72	-834.76	6,543.66	0.00	0.00	0.00
19,400.00	89.96	180.42	12,809.52	-6,637.72	-835.50	6,643.66	0.00	0.00	0.00
19,500.00	89.96	180.42	12,809.60	-6,737.72	-836.23	6,743.66	0.00	0.00	0.00
19,600.00	89.96	180.42	12,809.67	-6,837.71	-836.97	6,843.66	0.00	0.00	0.00
19,700.00	89.96	180.42	12,809.74	-6,937.71	-837.70	6,943.66	0.00	0.00	0.00
19,800.00	89.96	180.42	12,809.81	-7,037.71	-838.44	7,043.66	0.00	0.00	0.00
19,900.00	89.96	180.42	12,809.88	-7,137.70	-839.18	7,143.66	0.00	0.00	0.00
20,000.00	89.96	180.42	12,809.96	-7,237.70	-839.91	7,243.66	0.00	0.00	0.00
20,100.00	89.96	180.42	12,810.03	-7,337.70	-840.65	7,343.66	0.00	0.00	0.00
20,200.00	89.96	180.42	12,810.10	-7,437.70	-841.38	7,443.66	0.00	0.00	0.00
20,300.00	89.96	180.42	12,810.17	-7,537.69	-842.12	7,543.66	0.00	0.00	0.00
20,400.00	89.96	180.42	12,810.25	-7,637.69	-842.86	7,643.66	0.00	0.00	0.00
20,500.00	89.96	180.42	12,810.32	-7,737.69	-843.59	7,743.66	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
 Company: DEVON ENERGY
 Project: Lea County, NM (NAD-83)
 Site: Seawolf 1-12 Fed
 Well: 94H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well 94H
 TVD Reference: 3325.4' GE @ 3348.90usft
 MD Reference: 3325.4' GE @ 3348.90usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
20,600.00	89.96	180.42	12,810.39	-7,837.69	-844.33	7,843.66	0.00	0.00	0.00
20,700.00	89.96	180.42	12,810.46	-7,937.68	-845.06	7,943.66	0.00	0.00	0.00
20,800.00	89.96	180.42	12,810.53	-8,037.68	-845.80	8,043.66	0.00	0.00	0.00
20,900.00	89.96	180.42	12,810.61	-8,137.68	-846.54	8,143.66	0.00	0.00	0.00
21,000.00	89.96	180.42	12,810.68	-8,237.67	-847.27	8,243.66	0.00	0.00	0.00
21,100.00	89.96	180.42	12,810.75	-8,337.67	-848.01	8,343.66	0.00	0.00	0.00
21,200.00	89.96	180.42	12,810.82	-8,437.67	-848.74	8,443.66	0.00	0.00	0.00
21,300.00	89.96	180.42	12,810.89	-8,537.67	-849.48	8,543.66	0.00	0.00	0.00
21,400.00	89.96	180.42	12,810.97	-8,637.66	-850.22	8,643.66	0.00	0.00	0.00
21,500.00	89.96	180.42	12,811.04	-8,737.66	-850.95	8,743.66	0.00	0.00	0.00
21,600.00	89.96	180.42	12,811.11	-8,837.66	-851.69	8,843.66	0.00	0.00	0.00
21,700.00	89.96	180.42	12,811.18	-8,937.66	-852.42	8,943.66	0.00	0.00	0.00
21,800.00	89.96	180.42	12,811.26	-9,037.65	-853.16	9,043.66	0.00	0.00	0.00
21,900.00	89.96	180.42	12,811.33	-9,137.65	-853.89	9,143.66	0.00	0.00	0.00
22,000.00	89.96	180.42	12,811.40	-9,237.65	-854.63	9,243.66	0.00	0.00	0.00
22,100.00	89.96	180.42	12,811.47	-9,337.64	-855.37	9,343.66	0.00	0.00	0.00
22,200.00	89.96	180.42	12,811.54	-9,437.64	-856.10	9,443.66	0.00	0.00	0.00
22,300.00	89.96	180.42	12,811.62	-9,537.64	-856.84	9,543.66	0.00	0.00	0.00
22,400.00	89.96	180.42	12,811.69	-9,637.64	-857.57	9,643.66	0.00	0.00	0.00
22,500.00	89.96	180.42	12,811.76	-9,737.63	-858.31	9,743.66	0.00	0.00	0.00
22,600.00	89.96	180.42	12,811.83	-9,837.63	-859.05	9,843.66	0.00	0.00	0.00
22,700.00	89.96	180.42	12,811.90	-9,937.63	-859.78	9,943.66	0.00	0.00	0.00
22,800.00	89.96	180.42	12,811.98	-10,037.63	-860.52	10,043.66	0.00	0.00	0.00
22,832.89	89.96	180.42	12,812.00	-10,070.51	-860.76	10,076.55	0.00	0.00	0.00

TD at 22832.89' MD - PBHL (S1-12F94H)

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (S1-12F94H) - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	393,524.08	793,212.33	32° 4' 45.363 N	103° 31' 12.411 W
PBHL (S1-12F94H) - plan hits target center - Point	0.00	0.00	12,812.00	-10,070.51	-860.76	383,453.57	792,351.57	32° 3' 5.776 N	103° 31' 23.294 W

LEAM Drilling Systems LLC

Planning Report

Database: EDM 5000.1 Single User Db
 Company: DEVON ENERGY
 Project: Lea County, NM (NAD-83)
 Site: Seawolf 1-12 Fed
 Well: 94H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well 94H
 TVD Reference: 3325.4' GE @ 3348.90usft
 MD Reference: 3325.4' GE @ 3348.90usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
918.90	918.90	Rustler		0.04	180.42
1,283.90	1,283.90	Top of Salt		0.04	180.42
4,962.95	4,953.90	Base of Salt		0.04	180.42
5,175.01	5,163.90	Delaware		0.04	180.42
9,293.77	9,243.90	Lower Brushy Canyon		0.04	180.42
9,444.38	9,393.90	1st BSPG Lime		0.04	180.42
10,380.48	10,328.90	1st BSPG Sand		0.04	180.42
10,640.48	10,588.90	2nd BSPG Lime		0.04	180.42
11,010.48	10,958.90	2nd BSPG Sand		0.04	180.42
11,430.48	11,378.90	3rd BSPG Lime		0.04	180.42
12,020.48	11,968.90	3rd BSPG Sand		0.04	180.42
12,486.38	12,433.90	Wolfcamp		0.04	180.42
12,705.26	12,628.90	Wolfcamp "A"		0.04	180.42
12,884.92	12,743.90	Wolfcamp A 120		0.04	180.42
13,119.32	12,804.90	Wolfcamp A 120 Target		0.04	180.42

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,500.00	3,500.00	0.00	0.00	Start 1°/100' Build
4,300.00	4,297.40	7.76	-55.22	EOB, 8.00° Inc
8,800.00	8,753.61	94.92	-675.40	Start 0.50°/100' Drop
10,400.00	10,348.42	110.44	-785.84	EOD, 0.00° Inc
12,379.12	12,327.54	110.44	-785.84	KOP, Start 12°/100' Build
13,128.78	12,805.00	-366.67	-789.35	LP, 89.96° Inc, 180.42° Azm
22,832.89	12,812.00	-10,070.51	-860.76	TD at 22832.89' MD