

# **EXTRACTION OIL & GAS**

**Weld County  
Sec 26-T7N-R67W  
LIND 26W-30-6N**

**ORIGINAL WELLBORE**

**Plan: PROPOSAL 1**

## **Standard Planning Report**

**05 January, 2018**



Project: Weld County  
Site: Sec 26-T7N-R67W  
Well: LIND 26W-30-6N  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL 1



Azimuths to True North  
Magnetic North: 8.22°  
Magnetic Field  
Strength: 52399.9nT  
Dip Angle: 66.95°  
Date: 12/27/2017  
Model: IGRF2015

WELL DETAILS: LIND 26W-30-6N

	+N/-S	+E/-W	Northing	Easting	4948.00	Latitude	Longitude	Slot
	0.00	0.00	1444332.24	3179559.59	40° 33' 4.665 N	104° 51' 13.817 W		

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	
3	1177.68	21.55	153.09	1152.44	-178.64	90.65	2.00	153.09	-68.81	
4	5615.09	21.55	153.09	5279.56	-1632.35	828.35	0.00	0.00	-628.74	
5	6692.77	0.00	0.00	6332.00	-1810.99	919.00	2.00	180.00	-697.55	
6	6722.77	0.00	0.00	6362.00	-1810.99	919.00	0.00	0.00	-697.55	
7	7622.84	90.00	270.26	6935.00	-1808.42	346.00	10.00	270.26	-128.90	LIND 26W-6N - LP
8	22536.95	90.00	270.26	6935.00	-1741.46	-14567.96	0.00	0.00	14671.68	LIND 26W-6N - PBHL

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	BUILD 2°/100'
1177.68	21.55	153.09	1152.44	-178.64	90.65	-68.81	200.32	HOLD 21.55° INC
5615.09	21.55	153.09	5279.56	-1632.35	828.35	-628.74	1830.50	DROP 2°/100'
6692.77	0.00	0.00	6332.00	-1810.99	919.00	-697.55	2030.82	HOLD VERTICAL
6722.77	0.00	0.00	6362.00	-1810.99	919.00	-697.55	2030.82	KOP, BUILD 10°/100'
7622.84	90.00	270.26	6935.00	-1808.42	346.00	-128.90	2603.83	LP @ 90° INC, 270.26° AZM HOLD
22536.95	90.00	270.26	6935.00	-1741.46	-14567.96	14671.68	17517.94	TD at 22536.95' MD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LIND 26W-6N - LP	6935.00	-1808.42	346.00	1442526.38	3179918.75	40° 32' 46.795 N	104° 51' 9.335 W	Point
- plan hits target center								
LIND 26W-6N - PBHL	6935.00	-1741.46	-14567.96	1442484.67	3165004.70	40° 32' 47.414 N	104° 54' 22.529 W	Point
- plan hits target center								

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3600.00	3809.25	PARKMAN
4333.00	4597.36	SUSSEX
4719.00	5012.38	SHANNON
6925.00	7515.62	NIOBRARA

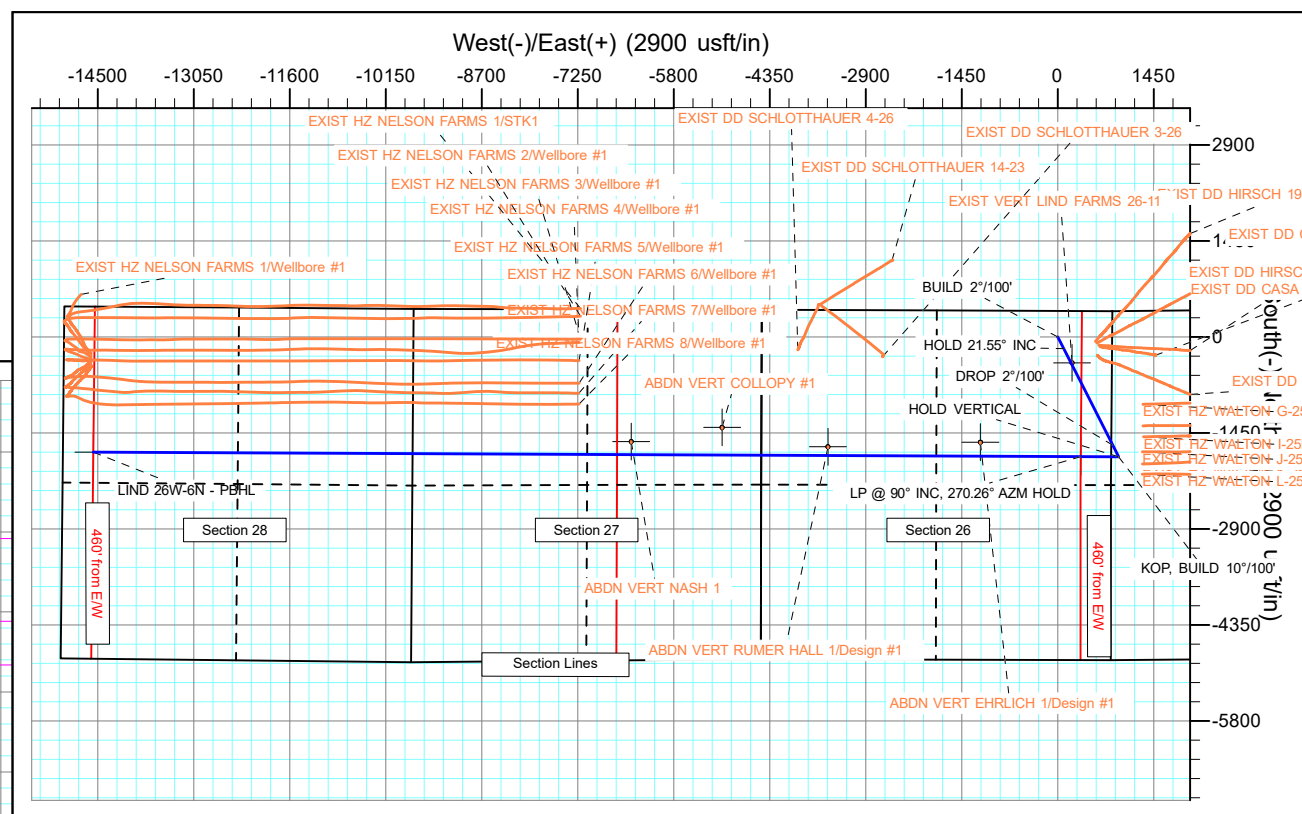
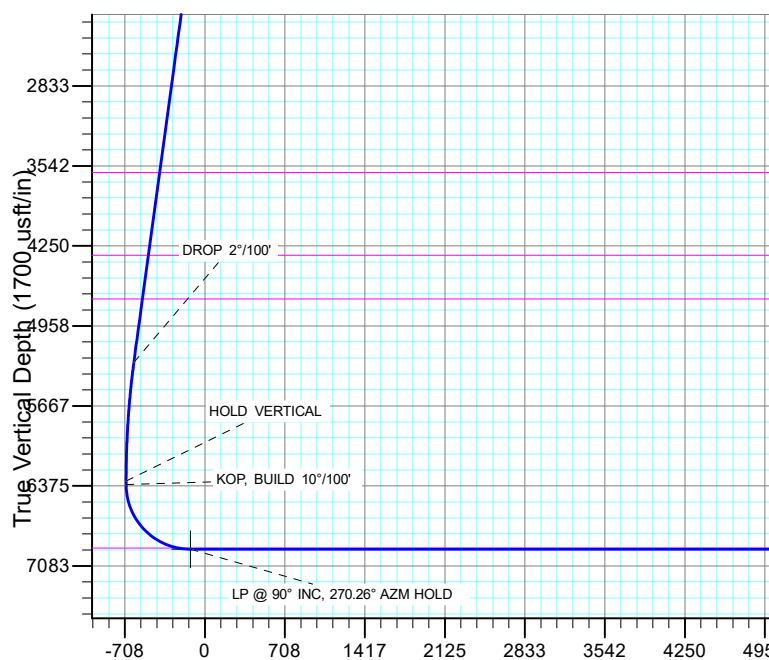
PROJECT DETAILS: Weld County

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
System Datum: Mean Sea Level

SHL:  
393' FNL, 821' FEL  
Sec 26-T7N-R67W

LP:  
2200' FNL, 460' FEL  
Sec 26-T7N-R67W

BHL:  
2200' FNL, 460' FWL  
Sec 28-T7N-R67W



Vertical Section at 263.18° (1700 usft/in)

## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

<b>Project</b>	Weld County		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		Sec 26-T7N-R67W			
Site Position:		Northing:	1,444,727.34 usft	Latitude:	40° 33' 8.510 N
From:	Lat/Long	Easting:	3,180,380.38 usft	Longitude:	104° 51' 3.146 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.42 °

Well	LIND 26W-30-6N					
Well Position	+N/-S	-389.08 usft	Northing:	1,444,332.24 usft	Latitude:	40° 33' 4.665 N
	+E/-W	-823.66 usft	Easting:	3,179,559.59 usft	Longitude:	104° 51' 13.817 W
Position Uncertainty	0.00 usft		Wellhead Elevation:		Ground Level:	4,948.00 usft

<b>Wellbore</b>	ORIGINAL WELLBORE				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	12/27/2017	8.22	66.95	52,399.85731189

<b>Design</b>	PROPOSAL 1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	263.18

<b>Plan Survey Tool Program</b>	<b>Date</b>	1/5/2018		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	22,536.71	PROPOSAL 1 (ORIGINAL WELL	MWD OWSG
			OWSG MWD - Standard	

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,177.68	21.55	153.09	1,152.44	-178.64	90.65	2.00	2.00	0.00	153.09	
5,615.09	21.55	153.09	5,279.56	-1,632.35	828.35	0.00	0.00	0.00	0.00	
6,692.77	0.00	0.00	6,332.00	-1,810.99	919.00	2.00	-2.00	0.00	180.00	
6,722.77	0.00	0.00	6,362.00	-1,810.99	919.00	0.00	0.00	0.00	0.00	
7,622.84	90.00	270.26	6,935.00	-1,808.42	346.00	10.00	10.00	-9.97	270.26	LIND 26W-6N - LP
22,536.95	90.00	270.26	6,935.00	-1,741.46	-14,567.96	0.00	0.00	0.00	0.00	LIND 26W-6N - PBHL

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>BUILD 2°/100'</b>									
200.00	2.00	153.09	199.98	-1.56	0.79	-0.60	2.00	2.00	0.00
300.00	4.00	153.09	299.84	-6.22	3.16	-2.40	2.00	2.00	0.00
400.00	6.00	153.09	399.45	-13.99	7.10	-5.39	2.00	2.00	0.00
500.00	8.00	153.09	498.70	-24.86	12.62	-9.58	2.00	2.00	0.00
600.00	10.00	153.09	597.47	-38.81	19.70	-14.95	2.00	2.00	0.00
700.00	12.00	153.09	695.62	-55.83	28.33	-21.50	2.00	2.00	0.00
800.00	14.00	153.09	793.06	-75.89	38.51	-29.23	2.00	2.00	0.00
900.00	16.00	153.09	889.64	-98.96	50.22	-38.12	2.00	2.00	0.00
1,000.00	18.00	153.09	985.27	-125.04	63.45	-48.16	2.00	2.00	0.00
1,100.00	20.00	153.09	1,079.82	-154.07	78.18	-59.34	2.00	2.00	0.00
1,177.68	21.55	153.09	1,152.44	-178.64	90.65	-68.81	2.00	2.00	0.00
<b>HOLD 21.55° INC</b>									
1,200.00	21.55	153.09	1,173.20	-185.95	94.36	-71.62	0.00	0.00	0.00
1,300.00	21.55	153.09	1,266.21	-218.71	110.99	-84.24	0.00	0.00	0.00
1,400.00	21.55	153.09	1,359.22	-251.47	127.61	-96.86	0.00	0.00	0.00
1,500.00	21.55	153.09	1,452.22	-284.23	144.24	-109.48	0.00	0.00	0.00
1,600.00	21.55	153.09	1,545.23	-316.99	160.86	-122.10	0.00	0.00	0.00
1,700.00	21.55	153.09	1,638.24	-349.75	177.48	-134.72	0.00	0.00	0.00
1,800.00	21.55	153.09	1,731.25	-382.51	194.11	-147.33	0.00	0.00	0.00
1,900.00	21.55	153.09	1,824.25	-415.27	210.73	-159.95	0.00	0.00	0.00
2,000.00	21.55	153.09	1,917.26	-448.03	227.36	-172.57	0.00	0.00	0.00
2,100.00	21.55	153.09	2,010.27	-480.79	243.98	-185.19	0.00	0.00	0.00
2,200.00	21.55	153.09	2,103.28	-513.55	260.61	-197.81	0.00	0.00	0.00
2,300.00	21.55	153.09	2,196.28	-546.32	277.23	-210.43	0.00	0.00	0.00
2,400.00	21.55	153.09	2,289.29	-579.08	293.86	-223.05	0.00	0.00	0.00
2,500.00	21.55	153.09	2,382.30	-611.84	310.48	-235.66	0.00	0.00	0.00
2,600.00	21.55	153.09	2,475.30	-644.60	327.11	-248.28	0.00	0.00	0.00
2,700.00	21.55	153.09	2,568.31	-677.36	343.73	-260.90	0.00	0.00	0.00
2,800.00	21.55	153.09	2,661.32	-710.12	360.35	-273.52	0.00	0.00	0.00
2,900.00	21.55	153.09	2,754.33	-742.88	376.98	-286.14	0.00	0.00	0.00
3,000.00	21.55	153.09	2,847.33	-775.64	393.60	-298.76	0.00	0.00	0.00
3,100.00	21.55	153.09	2,940.34	-808.40	410.23	-311.37	0.00	0.00	0.00
3,200.00	21.55	153.09	3,033.35	-841.16	426.85	-323.99	0.00	0.00	0.00
3,300.00	21.55	153.09	3,126.36	-873.92	443.48	-336.61	0.00	0.00	0.00
3,400.00	21.55	153.09	3,219.36	-906.68	460.10	-349.23	0.00	0.00	0.00
3,500.00	21.55	153.09	3,312.37	-939.44	476.73	-361.85	0.00	0.00	0.00
3,600.00	21.55	153.09	3,405.38	-972.20	493.35	-374.47	0.00	0.00	0.00
3,700.00	21.55	153.09	3,498.39	-1,004.96	509.97	-387.09	0.00	0.00	0.00
3,800.00	21.55	153.09	3,591.39	-1,037.72	526.60	-399.70	0.00	0.00	0.00
3,809.25	21.55	153.09	3,600.00	-1,040.75	528.14	-400.87	0.00	0.00	0.00
<b>PARKMAN</b>									
3,900.00	21.55	153.09	3,684.40	-1,070.48	543.22	-412.32	0.00	0.00	0.00
4,000.00	21.55	153.09	3,777.41	-1,103.24	559.85	-424.94	0.00	0.00	0.00
4,100.00	21.55	153.09	3,870.42	-1,136.00	576.47	-437.56	0.00	0.00	0.00
4,200.00	21.55	153.09	3,963.42	-1,168.76	593.10	-450.18	0.00	0.00	0.00
4,300.00	21.55	153.09	4,056.43	-1,201.52	609.72	-462.80	0.00	0.00	0.00
4,400.00	21.55	153.09	4,149.44	-1,234.28	626.35	-475.41	0.00	0.00	0.00
4,500.00	21.55	153.09	4,242.45	-1,267.04	642.97	-488.03	0.00	0.00	0.00
4,597.36	21.55	153.09	4,333.00	-1,298.94	659.16	-500.32	0.00	0.00	0.00
<b>SUSSEX</b>									

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.00	21.55	153.09	4,335.45	-1,299.81	659.60	-500.65	0.00	0.00	0.00
4,700.00	21.55	153.09	4,428.46	-1,332.57	676.22	-513.27	0.00	0.00	0.00
4,800.00	21.55	153.09	4,521.47	-1,365.33	692.84	-525.89	0.00	0.00	0.00
4,900.00	21.55	153.09	4,614.48	-1,398.09	709.47	-538.51	0.00	0.00	0.00
5,000.00	21.55	153.09	4,707.48	-1,430.85	726.09	-551.13	0.00	0.00	0.00
5,012.38	21.55	153.09	4,719.00	-1,434.90	728.15	-552.69	0.00	0.00	0.00
SHANNON									
5,100.00	21.55	153.09	4,800.49	-1,463.61	742.72	-563.74	0.00	0.00	0.00
5,200.00	21.55	153.09	4,893.50	-1,496.37	759.34	-576.36	0.00	0.00	0.00
5,300.00	21.55	153.09	4,986.50	-1,529.13	775.97	-588.98	0.00	0.00	0.00
5,400.00	21.55	153.09	5,079.51	-1,561.89	792.59	-601.60	0.00	0.00	0.00
5,500.00	21.55	153.09	5,172.52	-1,594.65	809.22	-614.22	0.00	0.00	0.00
5,600.00	21.55	153.09	5,265.53	-1,627.41	825.84	-626.84	0.00	0.00	0.00
5,615.09	21.55	153.09	5,279.56	-1,632.35	828.35	-628.74	0.00	0.00	0.00
DROP 2°/100'									
5,700.00	19.86	153.09	5,358.99	-1,659.12	841.93	-639.05	2.00	-2.00	0.00
5,800.00	17.86	153.09	5,453.61	-1,687.94	856.56	-650.15	2.00	-2.00	0.00
5,900.00	15.86	153.09	5,549.31	-1,713.80	869.68	-660.11	2.00	-2.00	0.00
6,000.00	13.86	153.09	5,645.97	-1,736.66	881.28	-668.92	2.00	-2.00	0.00
6,100.00	11.86	153.09	5,743.45	-1,756.50	891.35	-676.56	2.00	-2.00	0.00
6,200.00	9.86	153.09	5,841.66	-1,773.29	899.87	-683.03	2.00	-2.00	0.00
6,300.00	7.86	153.09	5,940.46	-1,787.02	906.84	-688.31	2.00	-2.00	0.00
6,400.00	5.86	153.09	6,039.74	-1,797.66	912.24	-692.41	2.00	-2.00	0.00
6,500.00	3.86	153.09	6,139.38	-1,805.21	916.07	-695.32	2.00	-2.00	0.00
6,600.00	1.86	153.09	6,239.25	-1,809.65	918.32	-697.03	2.00	-2.00	0.00
6,692.77	0.00	0.00	6,332.00	-1,810.99	919.00	-697.55	2.00	-2.00	0.00
HOLD VERTICAL									
6,700.00	0.00	0.00	6,339.23	-1,810.99	919.00	-697.55	0.00	0.00	0.00
6,722.77	0.00	0.00	6,362.00	-1,810.99	919.00	-697.55	0.00	0.00	0.00
KOP, BUILD 10°/100'									
6,750.00	2.72	270.26	6,389.22	-1,810.99	918.35	-696.91	10.00	10.00	0.00
6,800.00	7.72	270.26	6,439.00	-1,810.97	913.80	-692.39	10.00	10.00	0.00
6,850.00	12.72	270.26	6,488.19	-1,810.93	904.93	-683.59	10.00	10.00	0.00
6,900.00	17.72	270.26	6,536.42	-1,810.87	891.81	-670.56	10.00	10.00	0.00
6,950.00	22.72	270.26	6,583.32	-1,810.79	874.53	-653.42	10.00	10.00	0.00
7,000.00	27.72	270.26	6,628.54	-1,810.70	853.23	-632.28	10.00	10.00	0.00
7,050.00	32.72	270.26	6,671.73	-1,810.58	828.07	-607.31	10.00	10.00	0.00
7,100.00	37.72	270.26	6,712.57	-1,810.45	799.25	-578.70	10.00	10.00	0.00
7,150.00	42.72	270.26	6,750.73	-1,810.31	766.97	-546.67	10.00	10.00	0.00
7,200.00	47.72	270.26	6,785.94	-1,810.15	731.49	-511.46	10.00	10.00	0.00
7,250.00	52.72	270.26	6,817.92	-1,809.98	693.08	-473.34	10.00	10.00	0.00
7,300.00	57.72	270.26	6,846.44	-1,809.79	652.02	-432.60	10.00	10.00	0.00
7,350.00	62.72	270.26	6,871.26	-1,809.60	608.64	-389.55	10.00	10.00	0.00
7,400.00	67.72	270.26	6,892.22	-1,809.40	563.26	-344.51	10.00	10.00	0.00
7,450.00	72.72	270.26	6,909.13	-1,809.19	516.23	-297.84	10.00	10.00	0.00
7,500.00	77.72	270.26	6,921.88	-1,808.97	467.90	-249.87	10.00	10.00	0.00
7,515.63	79.28	270.26	6,925.00	-1,808.90	452.59	-234.68	10.00	10.00	0.00
NIOBRARA									
7,550.00	82.72	270.26	6,930.38	-1,808.75	418.64	-200.99	10.00	10.00	0.00
7,600.00	87.72	270.26	6,934.55	-1,808.53	368.83	-151.56	10.00	10.00	0.00
7,622.84	90.00	270.26	6,935.00	-1,808.42	346.00	-128.90	10.00	10.00	0.00
LP @ 90° INC, 270.26° AZM HOLD									
7,700.00	90.00	270.26	6,935.00	-1,808.08	268.84	-52.33	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,800.00	90.00	270.26	6,935.00	-1,807.63	168.84	46.91	0.00	0.00	0.00
7,900.00	90.00	270.26	6,935.00	-1,807.18	68.84	146.15	0.00	0.00	0.00
8,000.00	90.00	270.26	6,934.99	-1,806.74	-31.16	245.39	0.00	0.00	0.00
8,100.00	90.00	270.26	6,934.99	-1,806.29	-131.16	344.63	0.00	0.00	0.00
8,200.00	90.00	270.26	6,934.99	-1,805.84	-231.16	443.87	0.00	0.00	0.00
8,300.00	90.00	270.26	6,934.99	-1,805.39	-331.15	543.11	0.00	0.00	0.00
8,400.00	90.00	270.26	6,934.99	-1,804.94	-431.15	642.34	0.00	0.00	0.00
8,500.00	90.00	270.26	6,934.99	-1,804.50	-531.15	741.58	0.00	0.00	0.00
8,600.00	90.00	270.26	6,934.99	-1,804.05	-631.15	840.82	0.00	0.00	0.00
8,700.00	90.00	270.26	6,934.98	-1,803.60	-731.15	940.06	0.00	0.00	0.00
8,800.00	90.00	270.26	6,934.98	-1,803.15	-831.15	1,039.30	0.00	0.00	0.00
8,900.00	90.00	270.26	6,934.98	-1,802.71	-931.15	1,138.54	0.00	0.00	0.00
9,000.00	90.00	270.26	6,934.98	-1,802.26	-1,031.15	1,237.78	0.00	0.00	0.00
9,100.00	90.00	270.26	6,934.98	-1,801.81	-1,131.15	1,337.02	0.00	0.00	0.00
9,200.00	90.00	270.26	6,934.98	-1,801.36	-1,231.15	1,436.26	0.00	0.00	0.00
9,300.00	90.00	270.26	6,934.97	-1,800.91	-1,331.14	1,535.49	0.00	0.00	0.00
9,400.00	90.00	270.26	6,934.97	-1,800.47	-1,431.14	1,634.73	0.00	0.00	0.00
9,500.00	90.00	270.26	6,934.97	-1,800.02	-1,531.14	1,733.97	0.00	0.00	0.00
9,600.00	90.00	270.26	6,934.97	-1,799.57	-1,631.14	1,833.21	0.00	0.00	0.00
9,700.00	90.00	270.26	6,934.97	-1,799.12	-1,731.14	1,932.45	0.00	0.00	0.00
9,800.00	90.00	270.26	6,934.97	-1,798.68	-1,831.14	2,031.69	0.00	0.00	0.00
9,900.00	90.00	270.26	6,934.97	-1,798.23	-1,931.14	2,130.93	0.00	0.00	0.00
10,000.00	90.00	270.26	6,934.96	-1,797.78	-2,031.14	2,230.17	0.00	0.00	0.00
10,100.00	90.00	270.26	6,934.96	-1,797.33	-2,131.14	2,329.41	0.00	0.00	0.00
10,200.00	90.00	270.26	6,934.96	-1,796.88	-2,231.14	2,428.65	0.00	0.00	0.00
10,300.00	90.00	270.26	6,934.96	-1,796.44	-2,331.13	2,527.88	0.00	0.00	0.00
10,400.00	90.00	270.26	6,934.96	-1,795.99	-2,431.13	2,627.12	0.00	0.00	0.00
10,500.00	90.00	270.26	6,934.96	-1,795.54	-2,531.13	2,726.36	0.00	0.00	0.00
10,600.00	90.00	270.26	6,934.95	-1,795.09	-2,631.13	2,825.60	0.00	0.00	0.00
10,700.00	90.00	270.26	6,934.95	-1,794.65	-2,731.13	2,924.84	0.00	0.00	0.00
10,800.00	90.00	270.26	6,934.95	-1,794.20	-2,831.13	3,024.08	0.00	0.00	0.00
10,900.00	90.00	270.26	6,934.95	-1,793.75	-2,931.13	3,123.32	0.00	0.00	0.00
11,000.00	90.00	270.26	6,934.95	-1,793.30	-3,031.13	3,222.56	0.00	0.00	0.00
11,100.00	90.00	270.26	6,934.95	-1,792.85	-3,131.13	3,321.80	0.00	0.00	0.00
11,200.00	90.00	270.26	6,934.95	-1,792.41	-3,231.13	3,421.03	0.00	0.00	0.00
11,300.00	90.00	270.26	6,934.94	-1,791.96	-3,331.12	3,520.27	0.00	0.00	0.00
11,400.00	90.00	270.26	6,934.94	-1,791.51	-3,431.12	3,619.51	0.00	0.00	0.00
11,500.00	90.00	270.26	6,934.94	-1,791.06	-3,531.12	3,718.75	0.00	0.00	0.00
11,600.00	90.00	270.26	6,934.94	-1,790.62	-3,631.12	3,817.99	0.00	0.00	0.00
11,700.00	90.00	270.26	6,934.94	-1,790.17	-3,731.12	3,917.23	0.00	0.00	0.00
11,800.00	90.00	270.26	6,934.94	-1,789.72	-3,831.12	4,016.47	0.00	0.00	0.00
11,900.00	90.00	270.26	6,934.93	-1,789.27	-3,931.12	4,115.71	0.00	0.00	0.00
12,000.00	90.00	270.26	6,934.93	-1,788.82	-4,031.12	4,214.95	0.00	0.00	0.00
12,100.00	90.00	270.26	6,934.93	-1,788.38	-4,131.12	4,314.18	0.00	0.00	0.00
12,200.00	90.00	270.26	6,934.93	-1,787.93	-4,231.12	4,413.42	0.00	0.00	0.00
12,300.00	90.00	270.26	6,934.93	-1,787.48	-4,331.11	4,512.66	0.00	0.00	0.00
12,400.00	90.00	270.26	6,934.93	-1,787.03	-4,431.11	4,611.90	0.00	0.00	0.00
12,500.00	90.00	270.26	6,934.93	-1,786.59	-4,531.11	4,711.14	0.00	0.00	0.00
12,600.00	90.00	270.26	6,934.92	-1,786.14	-4,631.11	4,810.38	0.00	0.00	0.00
12,700.00	90.00	270.26	6,934.92	-1,785.69	-4,731.11	4,909.62	0.00	0.00	0.00
12,800.00	90.00	270.26	6,934.92	-1,785.24	-4,831.11	5,008.86	0.00	0.00	0.00
12,900.00	90.00	270.26	6,934.92	-1,784.79	-4,931.11	5,108.10	0.00	0.00	0.00
13,000.00	90.00	270.26	6,934.92	-1,784.35	-5,031.11	5,207.34	0.00	0.00	0.00
13,100.00	90.00	270.26	6,934.92	-1,783.90	-5,131.11	5,306.57	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
13,200.00	90.00	270.26	6,934.91	-1,783.45	-5,231.11	5,405.81	0.00	0.00	0.00	
13,300.00	90.00	270.26	6,934.91	-1,783.00	-5,331.10	5,505.05	0.00	0.00	0.00	
13,400.00	90.00	270.26	6,934.91	-1,782.56	-5,431.10	5,604.29	0.00	0.00	0.00	
13,500.00	90.00	270.26	6,934.91	-1,782.11	-5,531.10	5,703.53	0.00	0.00	0.00	
13,600.00	90.00	270.26	6,934.91	-1,781.66	-5,631.10	5,802.77	0.00	0.00	0.00	
13,700.00	90.00	270.26	6,934.91	-1,781.21	-5,731.10	5,902.01	0.00	0.00	0.00	
13,800.00	90.00	270.26	6,934.91	-1,780.76	-5,831.10	6,001.25	0.00	0.00	0.00	
13,900.00	90.00	270.26	6,934.90	-1,780.32	-5,931.10	6,100.49	0.00	0.00	0.00	
14,000.00	90.00	270.26	6,934.90	-1,779.87	-6,031.10	6,199.72	0.00	0.00	0.00	
14,100.00	90.00	270.26	6,934.90	-1,779.42	-6,131.10	6,298.96	0.00	0.00	0.00	
14,200.00	90.00	270.26	6,934.90	-1,778.97	-6,231.10	6,398.20	0.00	0.00	0.00	
14,300.00	90.00	270.26	6,934.90	-1,778.53	-6,331.09	6,497.44	0.00	0.00	0.00	
14,400.00	90.00	270.26	6,934.90	-1,778.08	-6,431.09	6,596.68	0.00	0.00	0.00	
14,500.00	90.00	270.26	6,934.89	-1,777.63	-6,531.09	6,695.92	0.00	0.00	0.00	
14,600.00	90.00	270.26	6,934.89	-1,777.18	-6,631.09	6,795.16	0.00	0.00	0.00	
14,700.00	90.00	270.26	6,934.89	-1,776.74	-6,731.09	6,894.40	0.00	0.00	0.00	
14,800.00	90.00	270.26	6,934.89	-1,776.29	-6,831.09	6,993.64	0.00	0.00	0.00	
14,900.00	90.00	270.26	6,934.89	-1,775.84	-6,931.09	7,092.87	0.00	0.00	0.00	
15,000.00	90.00	270.26	6,934.89	-1,775.39	-7,031.09	7,192.11	0.00	0.00	0.00	
15,100.00	90.00	270.26	6,934.89	-1,774.94	-7,131.09	7,291.35	0.00	0.00	0.00	
15,200.00	90.00	270.26	6,934.88	-1,774.50	-7,231.09	7,390.59	0.00	0.00	0.00	
15,300.00	90.00	270.26	6,934.88	-1,774.05	-7,331.08	7,489.83	0.00	0.00	0.00	
15,400.00	90.00	270.26	6,934.88	-1,773.60	-7,431.08	7,589.07	0.00	0.00	0.00	
15,500.00	90.00	270.26	6,934.88	-1,773.15	-7,531.08	7,688.31	0.00	0.00	0.00	
15,600.00	90.00	270.26	6,934.88	-1,772.71	-7,631.08	7,787.55	0.00	0.00	0.00	
15,700.00	90.00	270.26	6,934.88	-1,772.26	-7,731.08	7,886.79	0.00	0.00	0.00	
15,800.00	90.00	270.26	6,934.87	-1,771.81	-7,831.08	7,986.03	0.00	0.00	0.00	
15,900.00	90.00	270.26	6,934.87	-1,771.36	-7,931.08	8,085.26	0.00	0.00	0.00	
16,000.00	90.00	270.26	6,934.87	-1,770.91	-8,031.08	8,184.50	0.00	0.00	0.00	
16,100.00	90.00	270.26	6,934.87	-1,770.47	-8,131.08	8,283.74	0.00	0.00	0.00	
16,200.00	90.00	270.26	6,934.87	-1,770.02	-8,231.08	8,382.98	0.00	0.00	0.00	
16,300.00	90.00	270.26	6,934.87	-1,769.57	-8,331.07	8,482.22	0.00	0.00	0.00	
16,400.00	90.00	270.26	6,934.87	-1,769.12	-8,431.07	8,581.46	0.00	0.00	0.00	
16,500.00	90.00	270.26	6,934.86	-1,768.68	-8,531.07	8,680.70	0.00	0.00	0.00	
16,600.00	90.00	270.26	6,934.86	-1,768.23	-8,631.07	8,779.94	0.00	0.00	0.00	
16,700.00	90.00	270.26	6,934.86	-1,767.78	-8,731.07	8,879.18	0.00	0.00	0.00	
16,800.00	90.00	270.26	6,934.86	-1,767.33	-8,831.07	8,978.41	0.00	0.00	0.00	
16,900.00	90.00	270.26	6,934.86	-1,766.88	-8,931.07	9,077.65	0.00	0.00	0.00	
17,000.00	90.00	270.26	6,934.86	-1,766.44	-9,031.07	9,176.89	0.00	0.00	0.00	
17,100.00	90.00	270.26	6,934.85	-1,765.99	-9,131.07	9,276.13	0.00	0.00	0.00	
17,200.00	90.00	270.26	6,934.85	-1,765.54	-9,231.07	9,375.37	0.00	0.00	0.00	
17,300.00	90.00	270.26	6,934.85	-1,765.09	-9,331.06	9,474.61	0.00	0.00	0.00	
17,400.00	90.00	270.26	6,934.85	-1,764.65	-9,431.06	9,573.85	0.00	0.00	0.00	
17,500.00	90.00	270.26	6,934.85	-1,764.20	-9,531.06	9,673.09	0.00	0.00	0.00	
17,600.00	90.00	270.26	6,934.85	-1,763.75	-9,631.06	9,772.33	0.00	0.00	0.00	
17,700.00	90.00	270.26	6,934.85	-1,763.30	-9,731.06	9,871.57	0.00	0.00	0.00	
17,800.00	90.00	270.26	6,934.84	-1,762.85	-9,831.06	9,970.80	0.00	0.00	0.00	
17,900.00	90.00	270.26	6,934.84	-1,762.41	-9,931.06	10,070.04	0.00	0.00	0.00	
18,000.00	90.00	270.26	6,934.84	-1,761.96	-10,031.06	10,169.28	0.00	0.00	0.00	
18,100.00	90.00	270.26	6,934.84	-1,761.51	-10,131.06	10,268.52	0.00	0.00	0.00	
18,200.00	90.00	270.26	6,934.84	-1,761.06	-10,231.06	10,367.76	0.00	0.00	0.00	
18,300.00	90.00	270.26	6,934.84	-1,760.62	-10,331.05	10,467.00	0.00	0.00	0.00	
18,400.00	90.00	270.26	6,934.83	-1,760.17	-10,431.05	10,566.24	0.00	0.00	0.00	
18,500.00	90.00	270.26	6,934.83	-1,759.72	-10,531.05	10,665.48	0.00	0.00	0.00	

## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
18,600.00	90.00	270.26	6,934.83	-1,759.27	-10,631.05	10,764.72	0.00	0.00	0.00	
18,700.00	90.00	270.26	6,934.83	-1,758.82	-10,731.05	10,863.95	0.00	0.00	0.00	
18,800.00	90.00	270.26	6,934.83	-1,758.38	-10,831.05	10,963.19	0.00	0.00	0.00	
18,900.00	90.00	270.26	6,934.83	-1,757.93	-10,931.05	11,062.43	0.00	0.00	0.00	
19,000.00	90.00	270.26	6,934.83	-1,757.48	-11,031.05	11,161.67	0.00	0.00	0.00	
19,100.00	90.00	270.26	6,934.82	-1,757.03	-11,131.05	11,260.91	0.00	0.00	0.00	
19,200.00	90.00	270.26	6,934.82	-1,756.59	-11,231.05	11,360.15	0.00	0.00	0.00	
19,300.00	90.00	270.26	6,934.82	-1,756.14	-11,331.04	11,459.39	0.00	0.00	0.00	
19,400.00	90.00	270.26	6,934.82	-1,755.69	-11,431.04	11,558.63	0.00	0.00	0.00	
19,500.00	90.00	270.26	6,934.82	-1,755.24	-11,531.04	11,657.87	0.00	0.00	0.00	
19,600.00	90.00	270.26	6,934.82	-1,754.79	-11,631.04	11,757.10	0.00	0.00	0.00	
19,700.00	90.00	270.26	6,934.81	-1,754.35	-11,731.04	11,856.34	0.00	0.00	0.00	
19,800.00	90.00	270.26	6,934.81	-1,753.90	-11,831.04	11,955.58	0.00	0.00	0.00	
19,900.00	90.00	270.26	6,934.81	-1,753.45	-11,931.04	12,054.82	0.00	0.00	0.00	
20,000.00	90.00	270.26	6,934.81	-1,753.00	-12,031.04	12,154.06	0.00	0.00	0.00	
20,100.00	90.00	270.26	6,934.81	-1,752.56	-12,131.04	12,253.30	0.00	0.00	0.00	
20,200.00	90.00	270.26	6,934.81	-1,752.11	-12,231.04	12,352.54	0.00	0.00	0.00	
20,300.00	90.00	270.26	6,934.81	-1,751.66	-12,331.03	12,451.78	0.00	0.00	0.00	
20,400.00	90.00	270.26	6,934.80	-1,751.21	-12,431.03	12,551.02	0.00	0.00	0.00	
20,500.00	90.00	270.26	6,934.80	-1,750.76	-12,531.03	12,650.26	0.00	0.00	0.00	
20,600.00	90.00	270.26	6,934.80	-1,750.32	-12,631.03	12,749.49	0.00	0.00	0.00	
20,700.00	90.00	270.26	6,934.80	-1,749.87	-12,731.03	12,848.73	0.00	0.00	0.00	
20,800.00	90.00	270.26	6,934.80	-1,749.42	-12,831.03	12,947.97	0.00	0.00	0.00	
20,900.00	90.00	270.26	6,934.80	-1,748.97	-12,931.03	13,047.21	0.00	0.00	0.00	
21,000.00	90.00	270.26	6,934.79	-1,748.53	-13,031.03	13,146.45	0.00	0.00	0.00	
22,536.95	90.00	270.26	6,935.00	-1,741.46	-14,567.96	14,671.68	0.00	0.00	0.00	
TD at 22536.95' MD										

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										
LIND 26W-6N - PBHL	0.00	0.00	6,935.00	-1,741.46	-14,567.96	1,442,484.67	3,165,004.70	40° 32' 47.414 N	104° 54' 22.529 W	
- plan hits target center										
- Point										
LIND 26W-6N - LP	0.00	0.00	6,935.00	-1,808.42	346.00	1,442,526.39	3,179,918.75	40° 32' 46.795 N	104° 51' 9.335 W	
- plan hits target center										
- Point										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,809.25	3,600.00	PARKMAN				
4,597.36	4,333.00	SUSSEX				
5,012.38	4,719.00	SHANNON				
7,515.63	6,925.00	NIOBRARA				



## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well LIND 26W-30-6N
<b>Company:</b>	EXTRACTION OIL & GAS	<b>TVD Reference:</b>	KB 25' @ 4973.00usft
<b>Project:</b>	Weld County	<b>MD Reference:</b>	KB 25' @ 4973.00usft
<b>Site:</b>	Sec 26-T7N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	LIND 26W-30-6N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL 1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
100.00	100.00	0.00	0.00	BUILD 2°/100'
1,177.68	1,152.44	-178.64	90.65	HOLD 21.55° INC
5,615.09	5,279.56	-1,632.35	828.35	DROP 2°/100'
6,692.77	6,332.00	-1,810.99	919.00	HOLD VERTICAL
6,722.77	6,362.00	-1,810.99	919.00	KOP, BUILD 10°/100'
7,622.84	6,935.00	-1,808.42	346.00	LP @ 90° INC, 270.26° AZM HOLD
22,536.95	6,935.00	-1,741.46	-14,567.96	TD at 22536.95' MD