

Project: WELD COUNTY, CO (NAD 83)
 Site: 7N-67W-09 BLEHM PAD
 Well: BLEHM 15W7NBM
 Wellbore: Plan A
 Design: Permit Rev-1

PRAIRIE OPERATING CO

CASING DETAILS

TVD	MD	Name	Size
1600.00	1643.40	9 5/8"	9-5/8
6918.00	19587.54	5 1/2" CSG	5-1/2

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	350.90	0.00	0.00	350.90	0.00	0.00	0.00	0.00	0.00	
3	2900.40	50.99	227.34	2576.94	-719.34	-780.64	2.00	227.34	799.69	
4	9463.69	50.99	227.34	6708.25	-4175.28	-4531.05	0.00	0.00	4641.62	
5	10077.67	90.00	270.17	6918.00	-4349.77	-5054.69	9.00	55.82	5169.77	
6	14886.84	90.00	270.17	6918.00	-4335.68	-9863.84	0.00	0.00	9976.80	BLEHM 15W7NBM_Inflexion
7	15063.06	90.00	266.64	6918.00	-4340.58	-10039.96	2.00	-90.00	10152.99	
8	19587.54	90.00	266.64	6918.00	-4605.49	-14556.68	0.00	0.00	14675.19	BLEHM 15W7NBM_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	Northing	Easting	Latitude	Longitude
BLEHM 15W7NBM_SHL	0.00	1460151.60	3169079.08	40.594921	-104.891161
BLEHM 15W7NBM_LP	6918.00	1455767.23	3164054.37	40.582980	-104.909359
BLEHM 15W7NBM_Inflexion	6918.00	1455748.30	3159245.24	40.583015	-104.926673
BLEHM 15W7NBM_BPZ	6918.00	1455466.56	3154863.85	40.582318	-104.942453
BLEHM 15W7NBM_BHL	6918.00	1455446.27	3154554.36	40.582268	-104.943568

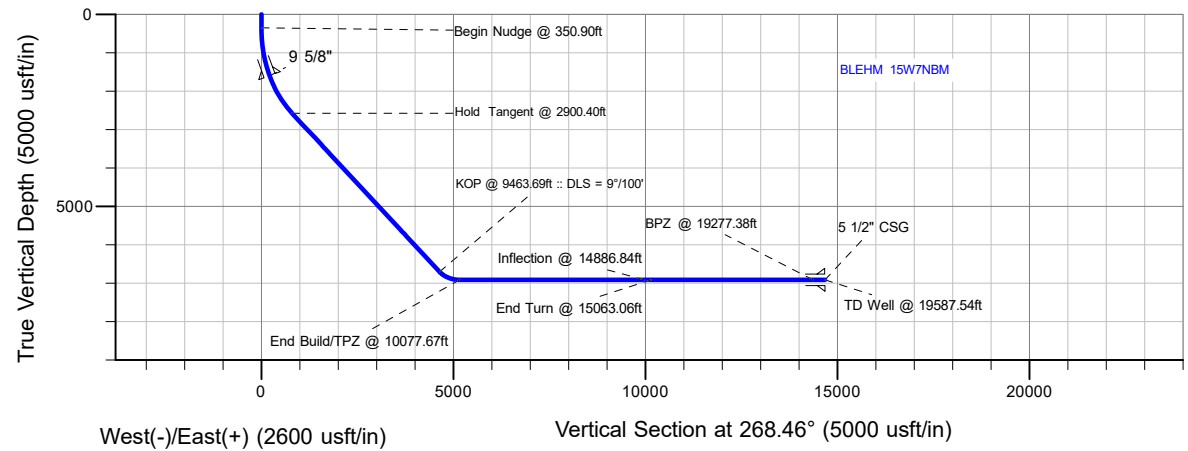
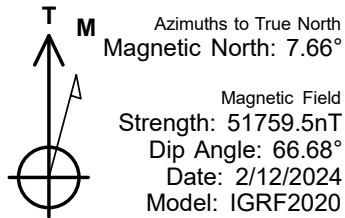
WELL DETAILS: BLEHM 15W7NBM

Plan: Permit Rev-1 (BLEHM 15W7NBM/Plan A)

GL = 5088'

RKB = 20' @ 5108.00usft (RIG)

Date: 2/15/2024

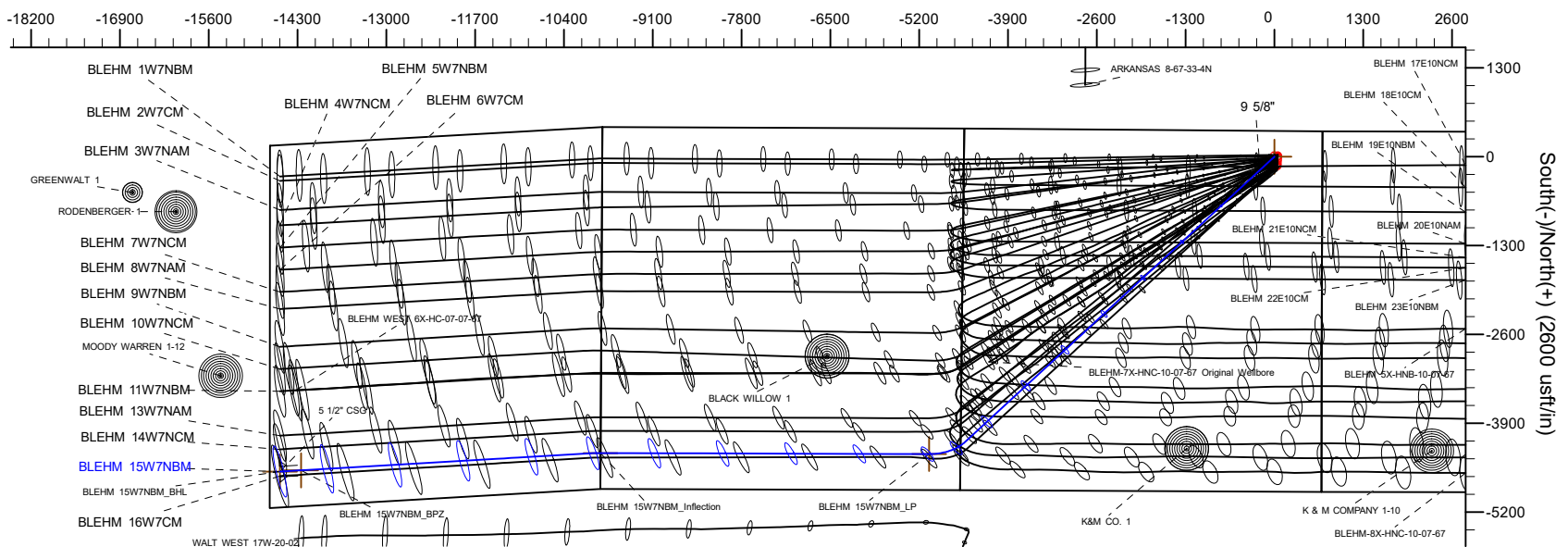


SHL
377' FNL
703' FEL

LP/TPZ
525' FSL
460' FEL

BPZ
525' FSL
460' FWL

BHL
525' FSL
150' FWL



Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

Project WELD COUNTY, CO (NAD 83)			
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site 7N-67W-09 BLEHM PAD			
Site Position:	Northing:	Latitude:	
From: Lat/Long	1,460,179.29 usft	40.594996	
Position Uncertainty:	Easting:	Longitude:	
0.00 usft	3,169,130.55 usft	-104.890975	
	Slot Radius:		
	13-3/16 "		

Well BLEHM 15W7NBM			
Well Position	Northing:	Latitude:	
+N/-S	1,460,151.60 usft	40.594921	
+E/-W	Easting:	Longitude:	
0.00 usft	3,169,079.08 usft	-104.891161	
Position Uncertainty	Wellhead Elevation:	Ground Level:	
3.28 usft	usft	5,088.00 usft	
Grid Convergence:			
	0.39 °		

Wellbore Plan A					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	2/12/2024	7.66	66.68	51,759.46028915

Design Permit Rev-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	268.46

Plan Survey Tool Program		Date 2/15/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	1,600.00 Permit Rev-1 (Plan A)	ISCWSA MWD+IFR1 MWD+IFR	
2	1,600.00	19,587.54 Permit Rev-1 (Plan A)	ISCWSA MWD+IFR1 MWD+IFR	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-1		

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	
350.90	0.00	0.00	350.90	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.40	50.99	227.34	2,576.94	-719.34	-780.64	2.00	2.00	0.00	227.34	
9,463.69	50.99	227.34	6,708.25	-4,175.28	-4,531.05	0.00	0.00	0.00	0.00	
10,077.67	90.00	270.17	6,918.00	-4,349.77	-5,054.69	9.00	6.35	6.98	55.82	
14,886.84	90.00	270.17	6,918.00	-4,335.68	-9,863.84	0.00	0.00	0.00	0.00	BLEHM 15W7NBM_Ir
15,063.06	90.00	266.64	6,918.00	-4,340.58	-10,039.96	2.00	0.00	-2.00	-90.00	
19,587.54	90.00	266.64	6,918.00	-4,605.49	-14,556.68	0.00	0.00	0.00	0.00	BLEHM 15W7NBM_E

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-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	0.00
100.00	0.00	0.00	100.00	0.00	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	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350.90	0.00	0.00	350.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 350.90ft										
400.00	0.98	227.34	400.00	-0.29	-0.31	0.32	2.00	2.00	2.00	0.00
500.00	2.98	227.34	499.93	-2.63	-2.85	2.92	2.00	2.00	2.00	0.00
600.00	4.98	227.34	599.69	-7.33	-7.96	8.15	2.00	2.00	2.00	0.00
700.00	6.98	227.34	699.14	-14.40	-15.62	16.00	2.00	2.00	2.00	0.00
800.00	8.98	227.34	798.16	-23.81	-25.83	26.46	2.00	2.00	2.00	0.00
900.00	10.98	227.34	896.64	-35.55	-38.58	39.52	2.00	2.00	2.00	0.00
1,000.00	12.98	227.34	994.46	-49.62	-53.85	55.16	2.00	2.00	2.00	0.00
1,100.00	14.98	227.34	1,091.49	-65.99	-71.61	73.36	2.00	2.00	2.00	0.00
1,200.00	16.98	227.34	1,187.62	-84.65	-91.86	94.10	2.00	2.00	2.00	0.00
1,300.00	18.98	227.34	1,282.73	-105.57	-114.56	117.36	2.00	2.00	2.00	0.00
1,400.00	20.98	227.34	1,376.71	-128.72	-139.69	143.10	2.00	2.00	2.00	0.00
1,500.00	22.98	227.34	1,469.43	-154.09	-167.22	171.30	2.00	2.00	2.00	0.00
1,600.00	24.98	227.34	1,560.80	-181.63	-197.10	201.91	2.00	2.00	2.00	0.00
1,643.40	25.85	227.34	1,600.00	-194.25	-210.80	215.95	2.00	2.00	2.00	0.00
9 5/8"										
1,700.00	26.98	227.34	1,650.69	-211.31	-229.32	234.92	2.00	2.00	2.00	0.00
1,800.00	28.98	227.34	1,738.99	-243.11	-263.82	270.26	2.00	2.00	2.00	0.00
1,900.00	30.98	227.34	1,825.60	-276.97	-300.57	307.90	2.00	2.00	2.00	0.00
2,000.00	32.98	227.34	1,910.42	-312.86	-339.52	347.80	2.00	2.00	2.00	0.00
2,100.00	34.98	227.34	1,993.34	-350.73	-380.62	389.91	2.00	2.00	2.00	0.00
2,200.00	36.98	227.34	2,074.25	-390.54	-423.82	434.17	2.00	2.00	2.00	0.00
2,300.00	38.98	227.34	2,153.07	-432.25	-469.08	480.52	2.00	2.00	2.00	0.00
2,400.00	40.98	227.34	2,229.69	-475.79	-516.33	528.93	2.00	2.00	2.00	0.00
2,500.00	42.98	227.34	2,304.02	-521.11	-565.51	579.31	2.00	2.00	2.00	0.00
2,600.00	44.98	227.34	2,375.98	-568.17	-616.58	631.63	2.00	2.00	2.00	0.00
2,700.00	46.98	227.34	2,445.46	-616.90	-669.46	685.80	2.00	2.00	2.00	0.00
2,800.00	48.98	227.34	2,512.39	-667.24	-724.09	741.76	2.00	2.00	2.00	0.00
2,900.40	50.99	227.34	2,576.94	-719.34	-780.64	799.69	2.00	2.00	2.00	0.00
Hold Tangent @ 2900.40ft										
3,000.00	50.99	227.34	2,639.64	-771.79	-837.55	857.99	0.00	0.00	0.00	0.00
3,100.00	50.99	227.34	2,702.58	-824.44	-894.69	916.53	0.00	0.00	0.00	0.00
3,200.00	50.99	227.34	2,765.53	-877.10	-951.83	975.06	0.00	0.00	0.00	0.00
3,300.00	50.99	227.34	2,828.48	-929.75	-1,008.98	1,033.60	0.00	0.00	0.00	0.00
3,400.00	50.99	227.34	2,891.42	-982.41	-1,066.12	1,092.14	0.00	0.00	0.00	0.00
3,500.00	50.99	227.34	2,954.37	-1,035.07	-1,123.26	1,150.67	0.00	0.00	0.00	0.00
3,600.00	50.99	227.34	3,017.31	-1,087.72	-1,180.40	1,209.21	0.00	0.00	0.00	0.00
3,700.00	50.99	227.34	3,080.26	-1,140.38	-1,237.55	1,267.75	0.00	0.00	0.00	0.00
3,800.00	50.99	227.34	3,143.20	-1,193.03	-1,294.69	1,326.28	0.00	0.00	0.00	0.00
3,900.00	50.99	227.34	3,206.15	-1,245.69	-1,351.83	1,384.82	0.00	0.00	0.00	0.00
4,000.00	50.99	227.34	3,269.09	-1,298.34	-1,408.97	1,443.36	0.00	0.00	0.00	0.00
4,100.00	50.99	227.34	3,332.04	-1,351.00	-1,466.12	1,501.89	0.00	0.00	0.00	0.00
4,200.00	50.99	227.34	3,394.99	-1,403.65	-1,523.26	1,560.43	0.00	0.00	0.00	0.00
4,300.00	50.99	227.34	3,457.93	-1,456.31	-1,580.40	1,618.97	0.00	0.00	0.00	0.00
4,400.00	50.99	227.34	3,520.88	-1,508.97	-1,637.54	1,677.50	0.00	0.00	0.00	0.00
4,500.00	50.99	227.34	3,583.82	-1,561.62	-1,694.68	1,736.04	0.00	0.00	0.00	0.00
4,600.00	50.99	227.34	3,646.77	-1,614.28	-1,751.83	1,794.58	0.00	0.00	0.00	0.00
4,700.00	50.99	227.34	3,709.71	-1,666.93	-1,808.97	1,853.11	0.00	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-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)	
4,800.00	50.99	227.34	3,772.66	-1,719.59	-1,866.11	1,911.65	0.00	0.00	0.00	
4,900.00	50.99	227.34	3,835.60	-1,772.24	-1,923.25	1,970.19	0.00	0.00	0.00	
5,000.00	50.99	227.34	3,898.55	-1,824.90	-1,980.40	2,028.72	0.00	0.00	0.00	
5,100.00	50.99	227.34	3,961.50	-1,877.55	-2,037.54	2,087.26	0.00	0.00	0.00	
5,200.00	50.99	227.34	4,024.44	-1,930.21	-2,094.68	2,145.80	0.00	0.00	0.00	
5,300.00	50.99	227.34	4,087.39	-1,982.87	-2,151.82	2,204.33	0.00	0.00	0.00	
5,400.00	50.99	227.34	4,150.33	-2,035.52	-2,208.97	2,262.87	0.00	0.00	0.00	
5,500.00	50.99	227.34	4,213.28	-2,088.18	-2,266.11	2,321.41	0.00	0.00	0.00	
5,600.00	50.99	227.34	4,276.22	-2,140.83	-2,323.25	2,379.95	0.00	0.00	0.00	
5,700.00	50.99	227.34	4,339.17	-2,193.49	-2,380.39	2,438.48	0.00	0.00	0.00	
5,800.00	50.99	227.34	4,402.12	-2,246.14	-2,437.53	2,497.02	0.00	0.00	0.00	
5,900.00	50.99	227.34	4,465.06	-2,298.80	-2,494.68	2,555.56	0.00	0.00	0.00	
6,000.00	50.99	227.34	4,528.01	-2,351.45	-2,551.82	2,614.09	0.00	0.00	0.00	
6,100.00	50.99	227.34	4,590.95	-2,404.11	-2,608.96	2,672.63	0.00	0.00	0.00	
6,200.00	50.99	227.34	4,653.90	-2,456.77	-2,666.10	2,731.17	0.00	0.00	0.00	
6,300.00	50.99	227.34	4,716.84	-2,509.42	-2,723.25	2,789.70	0.00	0.00	0.00	
6,400.00	50.99	227.34	4,779.79	-2,562.08	-2,780.39	2,848.24	0.00	0.00	0.00	
6,500.00	50.99	227.34	4,842.73	-2,614.73	-2,837.53	2,906.78	0.00	0.00	0.00	
6,600.00	50.99	227.34	4,905.68	-2,667.39	-2,894.67	2,965.31	0.00	0.00	0.00	
6,700.00	50.99	227.34	4,968.63	-2,720.04	-2,951.82	3,023.85	0.00	0.00	0.00	
6,800.00	50.99	227.34	5,031.57	-2,772.70	-3,008.96	3,082.39	0.00	0.00	0.00	
6,900.00	50.99	227.34	5,094.52	-2,825.35	-3,066.10	3,140.92	0.00	0.00	0.00	
7,000.00	50.99	227.34	5,157.46	-2,878.01	-3,123.24	3,199.46	0.00	0.00	0.00	
7,100.00	50.99	227.34	5,220.41	-2,930.67	-3,180.38	3,258.00	0.00	0.00	0.00	
7,200.00	50.99	227.34	5,283.35	-2,983.32	-3,237.53	3,316.53	0.00	0.00	0.00	
7,300.00	50.99	227.34	5,346.30	-3,035.98	-3,294.67	3,375.07	0.00	0.00	0.00	
7,400.00	50.99	227.34	5,409.24	-3,088.63	-3,351.81	3,433.61	0.00	0.00	0.00	
7,500.00	50.99	227.34	5,472.19	-3,141.29	-3,408.95	3,492.14	0.00	0.00	0.00	
7,600.00	50.99	227.34	5,535.14	-3,193.94	-3,466.10	3,550.68	0.00	0.00	0.00	
7,700.00	50.99	227.34	5,598.08	-3,246.60	-3,523.24	3,609.22	0.00	0.00	0.00	
7,800.00	50.99	227.34	5,661.03	-3,299.25	-3,580.38	3,667.75	0.00	0.00	0.00	
7,900.00	50.99	227.34	5,723.97	-3,351.91	-3,637.52	3,726.29	0.00	0.00	0.00	
8,000.00	50.99	227.34	5,786.92	-3,404.57	-3,694.66	3,784.83	0.00	0.00	0.00	
8,100.00	50.99	227.34	5,849.86	-3,457.22	-3,751.81	3,843.36	0.00	0.00	0.00	
8,200.00	50.99	227.34	5,912.81	-3,509.88	-3,808.95	3,901.90	0.00	0.00	0.00	
8,300.00	50.99	227.34	5,975.76	-3,562.53	-3,866.09	3,960.44	0.00	0.00	0.00	
8,400.00	50.99	227.34	6,038.70	-3,615.19	-3,923.23	4,018.97	0.00	0.00	0.00	
8,500.00	50.99	227.34	6,101.65	-3,667.84	-3,980.38	4,077.51	0.00	0.00	0.00	
8,600.00	50.99	227.34	6,164.59	-3,720.50	-4,037.52	4,136.05	0.00	0.00	0.00	
8,700.00	50.99	227.34	6,227.54	-3,773.16	-4,094.66	4,194.58	0.00	0.00	0.00	
8,800.00	50.99	227.34	6,290.48	-3,825.81	-4,151.80	4,253.12	0.00	0.00	0.00	
8,900.00	50.99	227.34	6,353.43	-3,878.47	-4,208.95	4,311.66	0.00	0.00	0.00	
9,000.00	50.99	227.34	6,416.37	-3,931.12	-4,266.09	4,370.20	0.00	0.00	0.00	
9,100.00	50.99	227.34	6,479.32	-3,983.78	-4,323.23	4,428.73	0.00	0.00	0.00	
9,200.00	50.99	227.34	6,542.27	-4,036.43	-4,380.37	4,487.27	0.00	0.00	0.00	
9,300.00	50.99	227.34	6,605.21	-4,089.09	-4,437.51	4,545.81	0.00	0.00	0.00	
9,400.00	50.99	227.34	6,668.16	-4,141.74	-4,494.66	4,604.34	0.00	0.00	0.00	
9,463.69	50.99	227.34	6,708.25	-4,175.28	-4,531.05	4,641.62	0.00	0.00	0.00	
KOP @ 9463.69ft :: DLS = 9°/100'										
9,500.00	52.88	230.73	6,730.64	-4,194.01	-4,552.64	4,663.71	9.00	5.19	9.34	
9,550.00	55.62	235.13	6,759.86	-4,218.43	-4,585.01	4,696.73	9.00	5.49	8.79	
9,600.00	58.51	239.24	6,787.05	-4,241.15	-4,620.28	4,732.59	9.00	5.78	8.22	
9,650.00	61.53	243.09	6,812.04	-4,262.01	-4,658.21	4,771.07	9.00	6.03	7.72	
9,700.00	64.64	246.73	6,834.67	-4,280.89	-4,698.59	4,811.94	9.00	6.24	7.28	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-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)	
9,750.00	67.85	250.19	6,854.82	-4,297.67	-4,741.15	4,854.93	9.00	6.40	6.91	
9,800.00	71.12	253.49	6,872.34	-4,312.24	-4,785.63	4,899.79	9.00	6.54	6.60	
9,850.00	74.45	256.66	6,887.15	-4,324.53	-4,831.77	4,946.25	9.00	6.66	6.34	
9,900.00	77.82	259.73	6,899.13	-4,334.45	-4,879.27	4,994.00	9.00	6.74	6.14	
9,950.00	81.22	262.72	6,908.23	-4,341.94	-4,927.85	5,042.76	9.00	6.81	5.99	
10,000.00	84.65	265.66	6,914.38	-4,346.95	-4,977.21	5,092.23	9.00	6.86	5.88	
10,050.00	88.09	268.57	6,917.54	-4,349.46	-5,027.03	5,142.11	9.00	6.88	5.81	
10,077.67	90.00	270.17	6,918.00	-4,349.77	-5,054.69	5,169.77	9.00	6.89	5.79	
End Build/TPZ @ 10077.67ft										
10,100.00	90.00	270.17	6,918.00	-4,349.70	-5,077.02	5,192.09	0.00	0.00	0.00	
10,200.00	90.00	270.17	6,918.00	-4,349.41	-5,177.02	5,292.04	0.00	0.00	0.00	
10,300.00	90.00	270.17	6,918.00	-4,349.12	-5,277.02	5,392.00	0.00	0.00	0.00	
10,400.00	90.00	270.17	6,918.00	-4,348.82	-5,377.02	5,491.95	0.00	0.00	0.00	
10,500.00	90.00	270.17	6,918.00	-4,348.53	-5,477.02	5,591.91	0.00	0.00	0.00	
10,600.00	90.00	270.17	6,918.00	-4,348.24	-5,577.02	5,691.86	0.00	0.00	0.00	
10,700.00	90.00	270.17	6,918.00	-4,347.95	-5,677.02	5,791.82	0.00	0.00	0.00	
10,800.00	90.00	270.17	6,918.00	-4,347.65	-5,777.02	5,891.78	0.00	0.00	0.00	
10,900.00	90.00	270.17	6,918.00	-4,347.36	-5,877.02	5,991.73	0.00	0.00	0.00	
11,000.00	90.00	270.17	6,918.00	-4,347.07	-5,977.02	6,091.69	0.00	0.00	0.00	
11,100.00	90.00	270.17	6,918.00	-4,346.77	-6,077.02	6,191.64	0.00	0.00	0.00	
11,200.00	90.00	270.17	6,918.00	-4,346.48	-6,177.02	6,291.60	0.00	0.00	0.00	
11,300.00	90.00	270.17	6,918.00	-4,346.19	-6,277.02	6,391.55	0.00	0.00	0.00	
11,400.00	90.00	270.17	6,918.00	-4,345.90	-6,377.02	6,491.51	0.00	0.00	0.00	
11,500.00	90.00	270.17	6,918.00	-4,345.60	-6,477.02	6,591.46	0.00	0.00	0.00	
11,600.00	90.00	270.17	6,918.00	-4,345.31	-6,577.02	6,691.42	0.00	0.00	0.00	
11,700.00	90.00	270.17	6,918.00	-4,345.02	-6,677.02	6,791.38	0.00	0.00	0.00	
11,800.00	90.00	270.17	6,918.00	-4,344.72	-6,777.02	6,891.33	0.00	0.00	0.00	
11,900.00	90.00	270.17	6,918.00	-4,344.43	-6,877.01	6,991.29	0.00	0.00	0.00	
12,000.00	90.00	270.17	6,918.00	-4,344.14	-6,977.01	7,091.24	0.00	0.00	0.00	
12,100.00	90.00	270.17	6,918.00	-4,343.84	-7,077.01	7,191.20	0.00	0.00	0.00	
12,200.00	90.00	270.17	6,918.00	-4,343.55	-7,177.01	7,291.15	0.00	0.00	0.00	
12,300.00	90.00	270.17	6,918.00	-4,343.26	-7,277.01	7,391.11	0.00	0.00	0.00	
12,400.00	90.00	270.17	6,918.00	-4,342.97	-7,377.01	7,491.06	0.00	0.00	0.00	
12,500.00	90.00	270.17	6,918.00	-4,342.67	-7,477.01	7,591.02	0.00	0.00	0.00	
12,600.00	90.00	270.17	6,918.00	-4,342.38	-7,577.01	7,690.98	0.00	0.00	0.00	
12,700.00	90.00	270.17	6,918.00	-4,342.09	-7,677.01	7,790.93	0.00	0.00	0.00	
12,800.00	90.00	270.17	6,918.00	-4,341.79	-7,777.01	7,890.89	0.00	0.00	0.00	
12,900.00	90.00	270.17	6,918.00	-4,341.50	-7,877.01	7,990.84	0.00	0.00	0.00	
13,000.00	90.00	270.17	6,918.00	-4,341.21	-7,977.01	8,090.80	0.00	0.00	0.00	
13,100.00	90.00	270.17	6,918.00	-4,340.92	-8,077.01	8,190.75	0.00	0.00	0.00	
13,200.00	90.00	270.17	6,918.00	-4,340.62	-8,177.01	8,290.71	0.00	0.00	0.00	
13,300.00	90.00	270.17	6,918.00	-4,340.33	-8,277.01	8,390.66	0.00	0.00	0.00	
13,400.00	90.00	270.17	6,918.00	-4,340.04	-8,377.01	8,490.62	0.00	0.00	0.00	
13,500.00	90.00	270.17	6,918.00	-4,339.74	-8,477.01	8,590.58	0.00	0.00	0.00	
13,600.00	90.00	270.17	6,918.00	-4,339.45	-8,577.01	8,690.53	0.00	0.00	0.00	
13,700.00	90.00	270.17	6,918.00	-4,339.16	-8,677.01	8,790.49	0.00	0.00	0.00	
13,800.00	90.00	270.17	6,918.00	-4,338.87	-8,777.01	8,890.44	0.00	0.00	0.00	
13,900.00	90.00	270.17	6,918.00	-4,338.57	-8,877.01	8,990.40	0.00	0.00	0.00	
14,000.00	90.00	270.17	6,918.00	-4,338.28	-8,977.01	9,090.35	0.00	0.00	0.00	
14,100.00	90.00	270.17	6,918.00	-4,337.99	-9,077.01	9,190.31	0.00	0.00	0.00	
14,200.00	90.00	270.17	6,918.00	-4,337.69	-9,177.00	9,290.27	0.00	0.00	0.00	
14,300.00	90.00	270.17	6,918.00	-4,337.40	-9,277.00	9,390.22	0.00	0.00	0.00	
14,400.00	90.00	270.17	6,918.00	-4,337.11	-9,377.00	9,490.18	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-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)	
14,500.00	90.00	270.17	6,918.00	-4,336.82	-9,477.00	9,590.13	0.00	0.00	0.00	
14,600.00	90.00	270.17	6,918.00	-4,336.52	-9,577.00	9,690.09	0.00	0.00	0.00	
14,700.00	90.00	270.17	6,918.00	-4,336.23	-9,677.00	9,790.04	0.00	0.00	0.00	
14,800.00	90.00	270.17	6,918.00	-4,335.94	-9,777.00	9,890.00	0.00	0.00	0.00	
14,886.84	90.00	270.17	6,918.00	-4,335.68	-9,863.84	9,976.80	0.00	0.00	0.00	
Inflection @ 14886.84ft										
14,900.00	90.00	269.90	6,918.00	-4,335.67	-9,877.00	9,989.96	2.00	0.00	-2.00	
15,000.00	90.00	267.90	6,918.00	-4,337.59	-9,976.98	10,089.95	2.00	0.00	-2.00	
15,063.06	90.00	266.64	6,918.00	-4,340.58	-10,039.96	10,152.99	2.00	0.00	-2.00	
End Turn @ 15063.06ft										
15,100.00	90.00	266.64	6,918.00	-4,342.75	-10,076.84	10,189.91	0.00	0.00	0.00	
15,200.00	90.00	266.64	6,918.00	-4,348.60	-10,176.67	10,289.86	0.00	0.00	0.00	
15,300.00	90.00	266.64	6,918.00	-4,354.46	-10,276.50	10,389.81	0.00	0.00	0.00	
15,400.00	90.00	266.64	6,918.00	-4,360.31	-10,376.33	10,489.76	0.00	0.00	0.00	
15,500.00	90.00	266.64	6,918.00	-4,366.17	-10,476.16	10,589.71	0.00	0.00	0.00	
15,600.00	90.00	266.64	6,918.00	-4,372.02	-10,575.98	10,689.66	0.00	0.00	0.00	
15,700.00	90.00	266.64	6,918.00	-4,377.88	-10,675.81	10,789.61	0.00	0.00	0.00	
15,800.00	90.00	266.64	6,918.00	-4,383.73	-10,775.64	10,889.56	0.00	0.00	0.00	
15,900.00	90.00	266.64	6,918.00	-4,389.59	-10,875.47	10,989.51	0.00	0.00	0.00	
16,000.00	90.00	266.64	6,918.00	-4,395.44	-10,975.30	11,089.46	0.00	0.00	0.00	
16,100.00	90.00	266.64	6,918.00	-4,401.30	-11,075.13	11,189.41	0.00	0.00	0.00	
16,200.00	90.00	266.64	6,918.00	-4,407.15	-11,174.96	11,289.36	0.00	0.00	0.00	
16,300.00	90.00	266.64	6,918.00	-4,413.01	-11,274.78	11,389.31	0.00	0.00	0.00	
16,400.00	90.00	266.64	6,918.00	-4,418.86	-11,374.61	11,489.26	0.00	0.00	0.00	
16,500.00	90.00	266.64	6,918.00	-4,424.72	-11,474.44	11,589.21	0.00	0.00	0.00	
16,600.00	90.00	266.64	6,918.00	-4,430.57	-11,574.27	11,689.16	0.00	0.00	0.00	
16,700.00	90.00	266.64	6,918.00	-4,436.43	-11,674.10	11,789.11	0.00	0.00	0.00	
16,800.00	90.00	266.64	6,918.00	-4,442.28	-11,773.93	11,889.06	0.00	0.00	0.00	
16,900.00	90.00	266.64	6,918.00	-4,448.14	-11,873.75	11,989.01	0.00	0.00	0.00	
17,000.00	90.00	266.64	6,918.00	-4,453.99	-11,973.58	12,088.96	0.00	0.00	0.00	
17,100.00	90.00	266.64	6,918.00	-4,459.85	-12,073.41	12,188.91	0.00	0.00	0.00	
17,200.00	90.00	266.64	6,918.00	-4,465.70	-12,173.24	12,288.86	0.00	0.00	0.00	
17,300.00	90.00	266.64	6,918.00	-4,471.56	-12,273.07	12,388.81	0.00	0.00	0.00	
17,400.00	90.00	266.64	6,918.00	-4,477.41	-12,372.90	12,488.76	0.00	0.00	0.00	
17,500.00	90.00	266.64	6,918.00	-4,483.27	-12,472.73	12,588.71	0.00	0.00	0.00	
17,600.00	90.00	266.64	6,918.00	-4,489.12	-12,572.55	12,688.66	0.00	0.00	0.00	
17,700.00	90.00	266.64	6,918.00	-4,494.98	-12,672.38	12,788.61	0.00	0.00	0.00	
17,800.00	90.00	266.64	6,918.00	-4,500.83	-12,772.21	12,888.56	0.00	0.00	0.00	
17,900.00	90.00	266.64	6,918.00	-4,506.69	-12,872.04	12,988.51	0.00	0.00	0.00	
18,000.00	90.00	266.64	6,918.00	-4,512.54	-12,971.87	13,088.46	0.00	0.00	0.00	
18,100.00	90.00	266.64	6,918.00	-4,518.40	-13,071.70	13,188.41	0.00	0.00	0.00	
18,200.00	90.00	266.64	6,918.00	-4,524.25	-13,171.52	13,288.36	0.00	0.00	0.00	
18,300.00	90.00	266.64	6,918.00	-4,530.11	-13,271.35	13,388.31	0.00	0.00	0.00	
18,400.00	90.00	266.64	6,918.00	-4,535.96	-13,371.18	13,488.26	0.00	0.00	0.00	
18,500.00	90.00	266.64	6,918.00	-4,541.82	-13,471.01	13,588.20	0.00	0.00	0.00	
18,600.00	90.00	266.64	6,918.00	-4,547.67	-13,570.84	13,688.15	0.00	0.00	0.00	
18,700.00	90.00	266.64	6,918.00	-4,553.53	-13,670.67	13,788.10	0.00	0.00	0.00	
18,800.00	90.00	266.64	6,918.00	-4,559.38	-13,770.50	13,888.05	0.00	0.00	0.00	
18,900.00	90.00	266.64	6,918.00	-4,565.24	-13,870.32	13,988.00	0.00	0.00	0.00	
19,000.00	90.00	266.64	6,918.00	-4,571.09	-13,970.15	14,087.95	0.00	0.00	0.00	
19,100.00	90.00	266.64	6,918.00	-4,576.95	-14,069.98	14,187.90	0.00	0.00	0.00	
19,200.00	90.00	266.64	6,918.00	-4,582.80	-14,169.81	14,287.85	0.00	0.00	0.00	
19,277.38	90.00	266.64	6,918.00	-4,587.33	-14,247.06	14,365.19	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Company:	PRAIRIE OPERATING CO	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Project:	WELD COUNTY, CO (NAD 83)	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site:	7N-67W-09 BLEHM PAD	North Reference:	True
Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Permit Rev-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)
BPZ @ 19277.38ft									
19,300.00	90.00	266.64	6,918.00	-4,588.66	-14,269.64	14,387.80	0.00	0.00	0.00
19,400.00	90.00	266.64	6,918.00	-4,594.51	-14,369.47	14,487.75	0.00	0.00	0.00
19,500.00	90.00	266.64	6,918.00	-4,600.37	-14,469.29	14,587.70	0.00	0.00	0.00
19,587.54	90.00	266.64	6,918.00	-4,605.49	-14,556.68	14,675.19	0.00	0.00	0.00
TD Well @ 19587.54ft									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,643.40	1,600.00	9 5/8"	9-5/8	13-1/2	
19,587.54	6,918.00	5 1/2" CSG	5-1/2	8-1/2	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
350.90	350.90	0.00	0.00	Begin Nudge @ 350.90ft	
2,900.40	2,576.94	-719.34	-780.64	Hold Tangent @ 2900.40ft	
9,463.69	6,708.25	-4,175.28	-4,531.05	KOP @ 9463.69ft :: DLS = 9°/100'	
10,077.67	6,918.00	-4,349.77	-5,054.69	End Build/TPZ @ 10077.67ft	
14,886.84	6,918.00	-4,335.68	-9,863.84	Inflection @ 14886.84ft	
15,063.06	6,918.00	-4,340.58	-10,039.96	End Turn @ 15063.06ft	
19,277.38	6,918.00	-4,587.33	-14,247.06	BPZ @ 19277.38ft	
19,587.54	6,918.00	-4,605.49	-14,556.68	TD Well @ 19587.54ft	

PRAIRIE OPERATING CO

WELD COUNTY, CO (NAD 83)

7N-67W-09 BLEHM PAD

BLEHM 15W7NBM

Plan A

Permit Rev-1

Anticollision Summary Report

15 February, 2024

Anticollision Summary Report

Company:	PRAIRIE OPERATING CO	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Project:	WELD COUNTY, CO (NAD 83)	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Reference Site:	7N-67W-09 BLEHM PAD	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

Reference	Permit Rev-1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,000.00usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date	2/15/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	1,600.00	Permit Rev-1 (Plan A)	ISCWSA MWD+IFR1	MWD+IFR
1,600.00	19,587.54	Permit Rev-1 (Plan A)	ISCWSA MWD+IFR1	MWD+IFR

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
7N-66W-18 OFFSETS Incomplete						
BLEHM 1 - PDC PR Well - Actual Bayswater Surveys						Out of range
7N-67W-08 OFFSETS						
BLACK WILLOW 1 - AP CO P&A Well - No Surveys	11,500.00	6,940.00	1,430.10	1,036.82	3.636	SF
BLACK WILLOW 1 - AP CO P&A Well - No Surveys	11,575.50	6,940.00	1,428.10	1,036.69	3.649	CC, ES
7N-67W-09 BLEHM PAD						
BLEHM 10W7NCM - Plan A - Permit Rev-1	998.42	997.40	107.16	97.82	11.468	CC
BLEHM 10W7NCM - Plan A - Permit Rev-1	1,100.00	1,099.75	107.59	97.80	10.996	ES
BLEHM 10W7NCM - Plan A - Permit Rev-1	19,500.00	19,125.41	1,499.52	736.24	1.965	Collision Risk Procedures R
BLEHM 11W7NBM - Plan A - Permit Rev-1	2,370.96	2,331.87	65.59	52.17	4.887	CC
BLEHM 11W7NBM - Plan A - Permit Rev-1	2,400.00	2,360.08	65.67	52.10	4.839	ES
BLEHM 11W7NBM - Plan A - Permit Rev-1	19,500.00	18,983.87	1,172.94	413.80	1.545	Collision Risk Procedures R
BLEHM 13W7NAM - Plan A - Permit Rev-1	350.90	350.90	30.30	22.58	3.927	CC
BLEHM 13W7NAM - Plan A - Permit Rev-1	19,502.68	19,250.62	527.52	-222.37	0.703	No-Go Zone - Stop Drilling, E
BLEHM 14W7NCM - Plan A - Permit Rev-1	546.99	547.74	15.17	7.17	1.896	Collision Risk Procedures R
BLEHM 14W7NCM - Plan A - Permit Rev-1	19,501.65	19,413.66	334.16	-403.34	0.453	No-Go Zone - Stop Drilling, E
BLEHM 16W7CM - Plan A - Permit Rev-1	7,163.33	7,063.21	104.78	-89.86	0.538	No-Go Zone - Stop Drilling, (
BLEHM 16W7CM - Plan A - Permit Rev-1	7,700.00	7,599.48	106.80	-99.88	0.517	No-Go Zone - Stop Drilling, (
BLEHM 16W7CM - Plan A - Permit Rev-1	19,587.54	19,657.25	200.78	-158.39	0.559	No-Go Zone - Stop Drilling, E
BLEHM 17E10NCM - Plan A - Permit Rev-1	200.00	200.00	14.96	7.39	1.977	Collision Risk Procedures R
BLEHM 18E10CM - Plan A - Permit Rev-1	755.51	753.02	23.03	14.58	2.726	CC, ES, SF
BLEHM 19E10NBM - Plan A - Permit Rev-1	859.90	854.89	36.32	27.58	4.159	CC, ES
BLEHM 19E10NBM - Plan A - Permit Rev-1	900.00	894.24	36.60	27.77	4.144	SF
BLEHM 1W7NBM - Plan A - Permit Rev-1	631.49	637.20	46.30	38.11	5.653	CC, ES
BLEHM 1W7NBM - Plan A - Permit Rev-1	700.00	705.93	47.19	38.81	5.628	SF
BLEHM 20E10NAM - Plan A - Permit Rev-1	943.18	934.61	52.95	43.95	5.883	CC, ES
BLEHM 20E10NAM - Plan A - Permit Rev-1	1,000.00	990.05	53.35	44.19	5.824	SF
BLEHM 21E10NCM - Plan A - Permit Rev-1	200.00	200.00	74.80	67.23	9.883	CC
BLEHM 21E10NCM - Plan A - Permit Rev-1	900.00	888.99	75.63	66.73	8.496	ES
BLEHM 21E10NCM - Plan A - Permit Rev-1	1,100.00	1,082.67	78.77	69.25	8.271	SF
BLEHM 22E10CM - Plan A - Permit Rev-1	1,457.46	1,425.55	94.67	83.47	8.451	CC, ES
BLEHM 22E10CM - Plan A - Permit Rev-1	1,600.00	1,560.84	98.41	86.33	8.147	SF
BLEHM 23E10NBM - Plan A - Permit Rev-1	1,347.00	1,311.82	124.21	113.45	11.543	CC, ES
BLEHM 23E10NBM - Plan A - Permit Rev-1	1,600.00	1,549.76	132.03	119.95	10.928	SF
BLEHM 2W7CM - Plan A - Permit Rev-1	706.33	712.38	39.96	31.61	4.787	CC, ES, SF

Anticollision Summary Report

Company:	PRAIRIE OPERATING CO	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Project:	WELD COUNTY, CO (NAD 83)	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Reference Site:	7N-67W-09 BLEHM PAD	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
7N-67W-09 BLEHM PAD						
BLEHM 3W7NAM - Plan A - Permit Rev-1	819.05	825.98	43.75	35.14	5.080	CC, ES
BLEHM 3W7NAM - Plan A - Permit Rev-1	900.00	907.57	44.68	35.81	5.037	SF
BLEHM 4W7NCM - Plan A - Permit Rev-1	350.90	350.90	52.30	44.58	6.778	CC, ES
BLEHM 4W7NCM - Plan A - Permit Rev-1	400.00	400.00	52.49	44.71	6.746	SF
BLEHM 5W7NBM - Plan A - Permit Rev-1	350.90	350.90	58.40	50.68	7.568	CC, ES
BLEHM 5W7NBM - Plan A - Permit Rev-1	500.00	499.93	59.40	51.46	7.483	SF
BLEHM 6W7CM - Plan A - Permit Rev-1	350.90	350.90	67.33	59.61	8.726	CC
BLEHM 6W7CM - Plan A - Permit Rev-1	400.00	400.00	67.35	59.57	8.655	ES
BLEHM 6W7CM - Plan A - Permit Rev-1	600.00	599.69	68.60	60.47	8.431	SF
BLEHM 7W7NCM - Plan A - Permit Rev-1	567.10	566.90	77.70	69.63	9.631	CC
BLEHM 7W7NCM - Plan A - Permit Rev-1	600.00	599.69	77.75	69.61	9.555	ES
BLEHM 7W7NCM - Plan A - Permit Rev-1	800.00	800.07	81.10	72.45	9.369	SF
BLEHM 8W7NAM - Plan A - Permit Rev-1	680.06	679.33	88.12	79.79	10.580	CC
BLEHM 8W7NAM - Plan A - Permit Rev-1	700.00	699.14	88.15	79.77	10.520	ES
BLEHM 8W7NAM - Plan A - Permit Rev-1	1,200.00	1,205.59	97.95	87.82	9.671	SF
BLEHM 9W7NBM - Plan A - Permit Rev-1	855.71	855.10	98.08	89.25	11.107	CC
BLEHM 9W7NBM - Plan A - Permit Rev-1	900.00	899.63	98.15	89.18	10.937	ES
BLEHM 9W7NBM - Plan A - Permit Rev-1	19,479.95	18,928.21	1,821.82	1,056.91	2.382	SF
7N-67W-09 OFFSETS						
BLEHM 5X-HC-10-07-67 - PRAIRIE PR Well - Actual Nic	1,623.69	1,636.59	45.49	33.88	3.917	CC, ES, SF
BLEHM 5X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	1,171.66	1,173.20	84.71	74.63	8.403	CC
BLEHM 5X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	1,200.00	1,201.71	84.77	74.54	8.288	ES
BLEHM 5X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	2,600.00	2,635.93	174.83	143.22	5.531	SF
BLEHM 5X-HNC-10-07-67 - PRAIRIE PR Well - Actual N	1,600.00	1,589.07	29.65	16.23	2.210	SF
BLEHM 5X-HNC-10-07-67 - PRAIRIE PR Well - Actual N	1,700.00	1,687.65	27.47	15.16	2.231	ES
BLEHM 5X-HNC-10-07-67 - PRAIRIE PR Well - Actual N	1,718.50	1,705.94	27.41	15.27	2.258	CC
BLEHM 6X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	1,650.01	1,612.95	126.15	112.99	9.580	CC, ES
BLEHM 6X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	5,300.00	5,173.33	503.18	375.11	3.929	SF
BLEHM 8X-HC-10-07-67 - PRAIRIE PR Well - Actual Nic	9,650.00	9,624.54	95.86	-122.53	0.439	No-Go Zone - Stop Drilling, E
BLEHM 8X-HC-10-07-67 - PRAIRIE PR Well - Actual Nic	9,657.94	9,625.72	95.54	-117.92	0.448	No-Go Zone - Stop Drilling, C
BLEHM 8X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	9,400.00	9,437.68	136.29	-50.62	0.729	No-Go Zone - Stop Drilling, E
BLEHM 8X-HNB-10-07-67 - PRAIRIE PR Well - Actual N	9,416.31	9,441.64	135.36	-49.43	0.732	No-Go Zone - Stop Drilling, C
BLEHM WEST 6X-HC-07-07-67 - PRAIRIE PR Well - Ac	2,632.28	2,689.84	46.36	29.42	2.737	CC
BLEHM WEST 6X-HC-07-07-67 - PRAIRIE PR Well - Ac	2,700.00	2,756.85	48.04	29.06	2.532	ES
BLEHM WEST 6X-HC-07-07-67 - PRAIRIE PR Well - Ac	19,287.43	19,013.00	1,179.46	359.55	1.439	Collision Avoidance Req., SF
BLEHM-7X-HC-10-07-67 - PRAIRIE PR Well - Actual Nic	1,330.50	1,295.35	158.95	147.67	14.099	CC, ES
BLEHM-7X-HC-10-07-67 - PRAIRIE PR Well - Actual Nic	6,600.00	6,442.19	547.30	371.50	3.113	SF
BLEHM-7X-HNC-10-07-67 - PRAIRIE Original Wellbore -	274.37	281.37	193.41	185.78	25.378	CC, ES
BLEHM-7X-HNC-10-07-67 - PRAIRIE Original Wellbore -	7,400.00	7,188.33	538.25	336.11	2.663	SF
BLEHM-7X-HNC-10-07-67 - PRAIRIE PR Sidetrack - Act	274.37	281.37	193.41	185.78	25.378	CC, ES
BLEHM-7X-HNC-10-07-67 - PRAIRIE PR Sidetrack - Act	7,700.00	7,506.60	532.54	321.48	2.523	SF
BLEHM-8X-HNC-10-07-67 - PRAIRIE PR Well - Actual N	9,595.71	9,450.95	165.12	-40.34	0.804	No-Go Zone - Stop Drilling, C
BLEHM-8X-HNC-10-07-67 - PRAIRIE PR Well - Actual N	9,650.00	9,463.62	173.55	-47.35	0.786	No-Go Zone - Stop Drilling, E
K&M CO. 1 - VESSELS P&A Well - No Surveys						Out of range
7N-67W-10 OFFSETS						
K & M COMPANY 1-10 - BOSWELL P&A Well - No Surv						Out of range
7N-67W-11 OFFSETS						
AMOCO 1-11 - AMOCO P&A Well - No Surveys						Out of range

Anticollision Summary Report

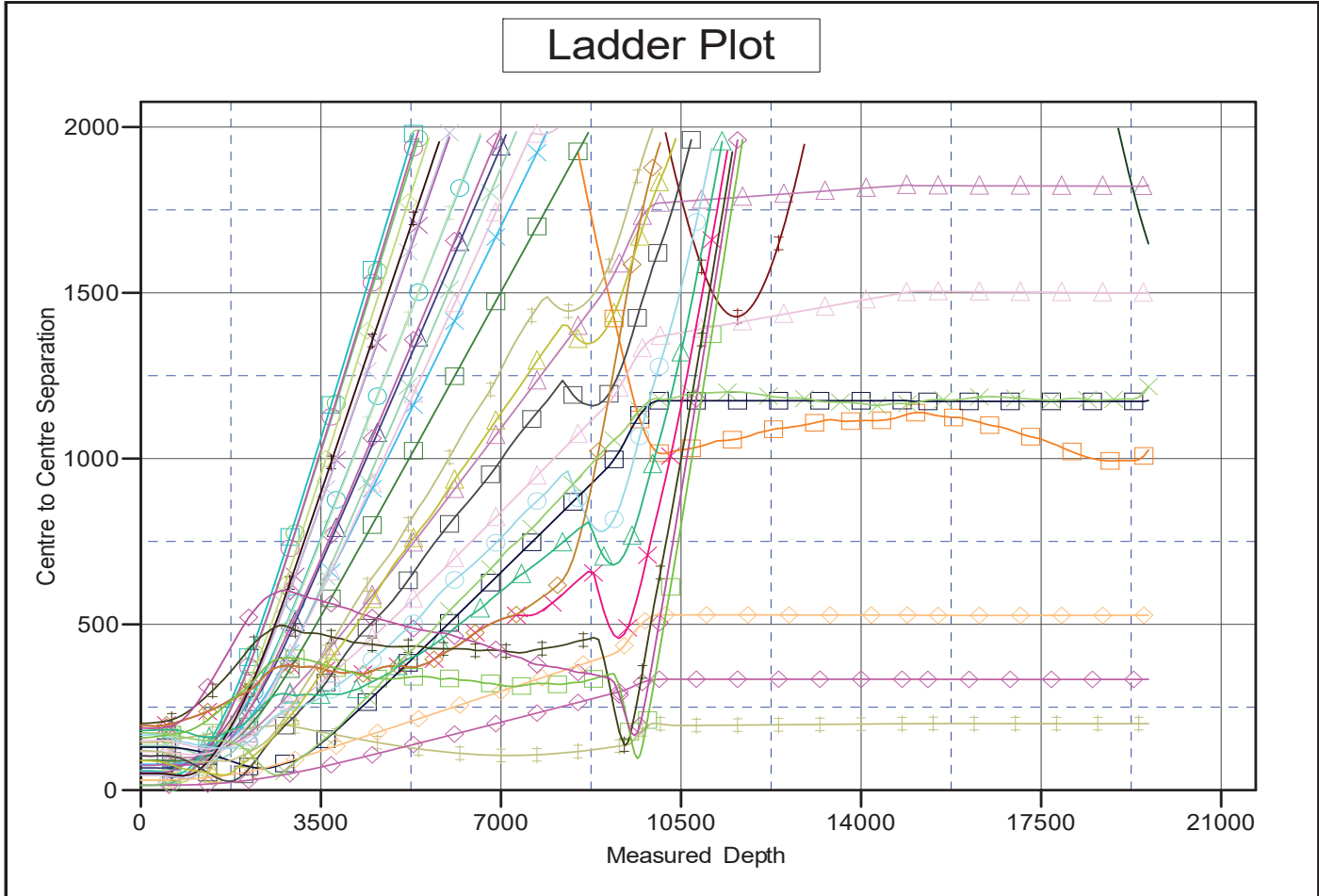
Company:	PRAIRIE OPERATING CO	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Project:	WELD COUNTY, CO (NAD 83)	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Reference Site:	7N-67W-09 BLEHM PAD	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
7N-67W-12 OFFSETS Incomplete						
DRAKE 4X-HNC-11-07-67 - BAYSWATER PR Well - Act						Out of range
DRAKE 5X-HC-11-07-67 - BAYSWATER PR Well - Actua						Out of range
DRAKE 5X-HNB-11-07-67 - BAYSWATER PR Well - Act						Out of range
7N-67W-17 OFFSETS						
WALT WEST 17W-20-02 - XOG PR Well - Actual XOG S	18,842.34	16,334.80	993.44	327.86	1.493	Collision Avoidance Req., CC
WALT WEST 17W-20-02 - XOG PR Well - Actual XOG S	19,400.00	16,829.00	996.93	299.43	1.429	Collision Avoidance Req., ES
7N-68W-12 OFFSETS						
GREENWALT 1 - RAYMOND P&A Sussex Well - No Sur						Out of range
MOODY WARREN 1-12 - ENSERCH P&A Well - No Sur	19,587.54	6,823.00	1,648.26	1,041.57	2.717	CC, ES, SF
RODENBERGER 1 - UNIOIL P&A Well - No Surveys						Out of range
8N-67W-33 OFFSETS Incomplete						
ARKANSAS 8-67-33-4N - ENERPLUS PR Well - Actual						Out of range

Anticollision Summary Report

Company:	PRAIRIE OPERATING CO	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Project:	WELD COUNTY, CO (NAD 83)	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Reference Site:	7N-67W-09 BLEHM PAD	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 20' @ 5108.00usft (RIG)	Coordinates are relative to: BLEHM 15W7NBM
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.39°



LEGEND

<ul style="list-style-type: none"> ● BLACK WILLOW 1, AP COP&A Well, No Surveys V0 ● WALT WEST 17W-20-02, XOG PR Well, Actual XOG Surveys V0 ● MOODY WARREN 1-12, ENSERCH P&A Well, No Surveys V0 ● BLEHM 18E10CM, Plan A, Permit Rev-1 V0 ● BLEHM 22E10CM, Plan A, Permit Rev-1 V0 ● BLEHM 6W1CM, Plan A, Permit Rev-1 V0 ● BLEHM 16W1CM, Plan A, Permit Rev-1 V0 ● BLEHM 11W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 5W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 14W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 9W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 7W1NBM, Plan A, Permit Rev-1 V0 	<ul style="list-style-type: none"> ■ BLEHM 8W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 20E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 1W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 17E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 13W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 2W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 21E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 4W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 19E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 23E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 10W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 3W1NBM, Plan A, Permit Rev-1 V0 	<ul style="list-style-type: none"> ◆ BLEHM 5X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 5X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 6X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 7X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 7X1NBM-10-07-67, PRAIRIE Original Wellbore, Actual Nickel Road Surveys V0 ◆ BLEHM 7X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM WEST 6X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ◆ BLEHM 5X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0
---	--	---

Anticollision Summary Report

Company:	PRAIRIE OPERATING CO	Local Co-ordinate Reference:	Well BLEHM 15W7NBM
Project:	WELD COUNTY, CO (NAD 83)	TVD Reference:	RKB = 20' @ 5108.00usft (RIG)
Reference Site:	7N-67W-09 BLEHM PAD	MD Reference:	RKB = 20' @ 5108.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLEHM 15W7NBM	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Plan A	Database:	EDM 5000.16 Single User Db
Reference Design:	Permit Rev-1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 20' @ 5108.00usft (RIG)

Coordinates are relative to: BLEHM 15W7NBM

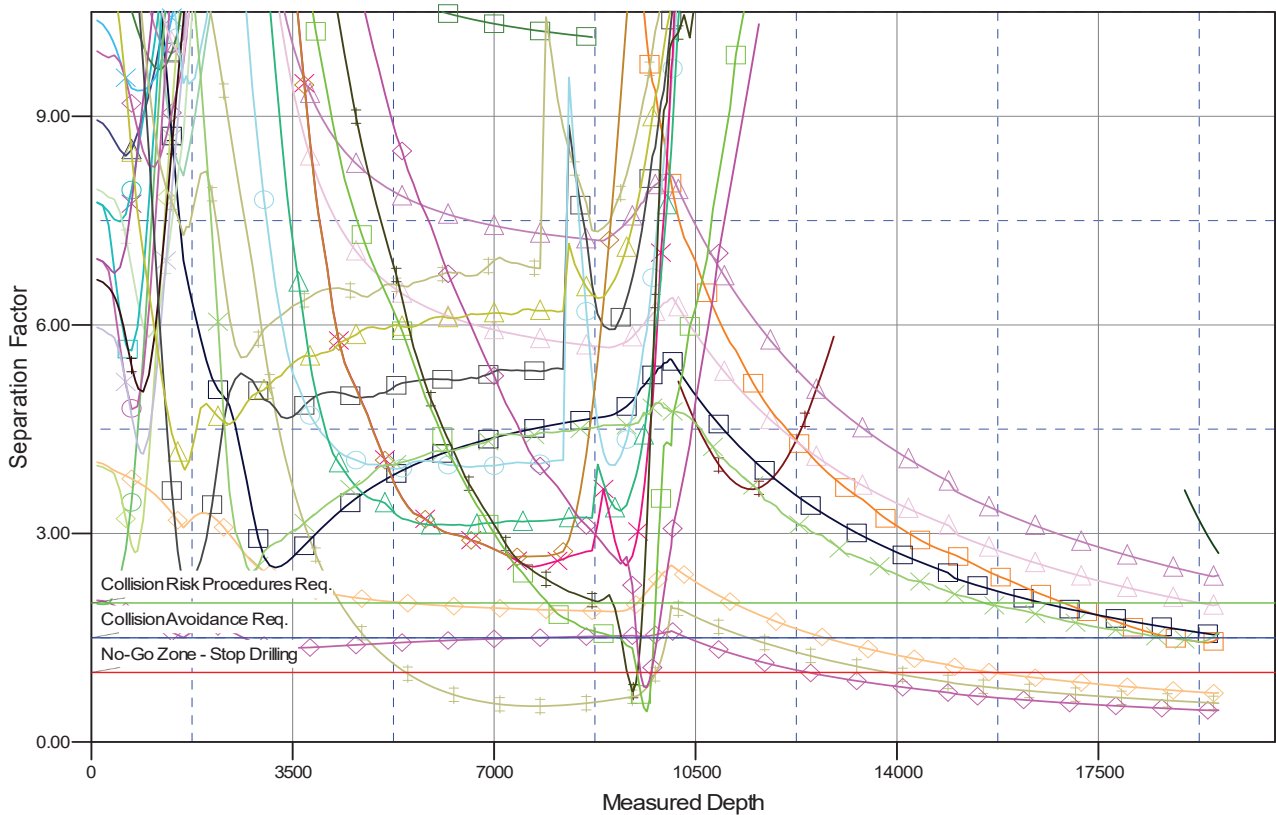
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Central Meridian is -105.500000

Grid Convergence at Surface is: 0.39°

Separation Factor Plot



LEGEND

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> ● BLACK WILLOW 1, AP COP&A Well, No Surveys V0 ● WALT WEST 17W-20-02, XOG PR Well, Actual XOG Surveys V0 ● MOODY WARREN 1-12, ENSERCH P&A Well, No Surveys V0 ● BLEHM 18E10CM, Plan A, Permit Rev-1 V0 ● BLEHM 22E10CM, Plan A, Permit Rev-1 V0 ● BLEHM 6W1CM, Plan A, Permit Rev-1 V0 ● BLEHM 16W1CM, Plan A, Permit Rev-1 V0 ● BLEHM 11W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 5W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 14W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 8W1NBM, Plan A, Permit Rev-1 V0 ● BLEHM 7W1NBM, Plan A, Permit Rev-1 V0 | <ul style="list-style-type: none"> ■ BLEHM 8W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 20E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 1W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 17E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 13W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 2W1CM, Plan A, Permit Rev-1 V0 ■ BLEHM 21E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 4W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 19E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 23E10NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 10W1NBM, Plan A, Permit Rev-1 V0 ■ BLEHM 3W1NBM, Plan A, Permit Rev-1 V0 | <ul style="list-style-type: none"> ■ BLEHM 5X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 5X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 6X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 7X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 7X1NBM-10-07-67, PRAIRIE Original Wellbore, Actual Nickel Road Surveys V0 ■ BLEHM 7X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 8X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM WEST 6X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 ■ BLEHM 5X1NBM-10-07-67, PRAIRIE PR Well, Actual Nickel Road Surveys V0 |
|--|--|--|