

HOBBS OCD
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Yarrow 32 State

#701H

OH

Design: OH

Midland PVA

20 December, 2018



Midland PVA

Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	KB = 25 @ 3691.0usft
Site:	Yarrow 32 State			MD Reference:	KB = 25 @ 3691.0usft
Well:	#701H			North Reference:	Grid
Wellbore:	OH			Survey Calculation Method:	Minimum Curvature
Design:	OH			Database:	EDM 5000.14

Project	Lea County, NM (NAD 83 NME)				
Map System:	US State Plane 1983		System Datum:	Mean Sea Level	
Geo Datum:	North American Datum 1983				
Map Zone:	New Mexico Eastern Zone				

Site	Yarrow 32 State				
Site Position:		Northing:	457,304.00 usft	Latitude:	32° 15' 18.011 N
From:	Map	Easting:	771,862.00 usft	Longitude:	103° 35' 15.414 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#701H					
Well Position	+N-S	0.0 usft	Northing:	457,304.00 usft	Latitude:	32° 15' 18.011 N
	+E-W	0.0 usft	Easting:	771,862.00 usft	Longitude:	103° 35' 15.414 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,666.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/10/2018	8.82	60.07	47,817.80811069

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	2.35	

Survey Program	Date	12/20/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
143.0	17,477.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard



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Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
143.0	0.40	37.80	143.0	0.4	0.3	0.28	0.28	0.00	0.0	0.0	0.0
299.0	0.20	64.30	299.0	0.9	0.9	0.15	-0.13	16.99	0.0	0.0	0.0
483.0	0.10	77.80	483.0	1.1	1.3	0.08	-0.05	7.34	0.0	0.0	0.0
669.0	0.50	208.70	669.0	0.4	1.1	0.31	0.22	70.38	0.0	0.0	0.0
798.0	0.40	243.80	798.0	-0.3	0.4	0.22	-0.08	27.21	0.0	0.0	0.0
985.0	0.30	255.80	985.0	-0.7	-0.6	0.07	-0.05	6.42	0.0	0.0	0.0
1,173.0	0.50	231.70	1,173.0	-1.3	-1.8	0.14	0.11	-12.82	0.0	0.0	0.0
1,302.0	0.70	226.80	1,302.0	-2.2	-2.8	0.16	0.16	-3.80	0.0	0.0	0.0
1,444.0	0.50	301.40	1,444.0	-2.5	-3.9	0.52	-0.14	52.54	-0.7	0.4	
1,630.0	0.80	288.60	1,630.0	-1.6	-5.9	0.18	0.16	-6.88	-2.9	0.1	
1,817.0	0.00	293.30	1,817.0	-1.2	-7.1	0.43	-0.43	0.00	-1.3	4.0	
2,005.0	0.80	332.00	2,004.9	0.0	-7.7	0.43	0.43	0.00	-4.3	2.9	
2,204.0	0.70	321.30	2,203.9	2.1	-9.1	0.09	-0.05	-5.38	-7.4	1.8	
2,392.0	0.80	344.40	2,391.9	4.3	-10.2	0.17	0.05	12.29	-8.4	5.0	
2,579.0	1.00	345.60	2,578.9	7.1	-10.9	0.11	0.11	0.64	-11.3	5.2	
2,767.0	2.50	100.30	2,766.8	8.0	-7.3	1.63	0.80	61.01	6.0	9.5	
2,954.0	2.60	98.20	2,953.6	6.7	0.9	0.07	0.05	-1.12	-2.6	9.8	
3,142.0	2.80	89.80	3,141.4	6.1	9.7	0.24	0.11	-4.47	-12.8	8.5	
3,330.0	2.60	91.90	3,329.2	5.9	18.6	0.12	-0.11	1.12	-21.3	9.1	
3,517.0	1.40	143.40	3,516.1	4.0	24.2	1.09	-0.64	27.54	-11.1	25.7	
3,705.0	1.30	184.30	3,704.1	0.0	25.4	0.50	-0.05	21.76	4.6	28.2	
3,892.0	0.60	175.20	3,891.0	-3.1	25.3	0.38	-0.37	-4.87	-3.0	28.2	
4,080.0	0.40	175.50	4,079.0	-4.7	25.4	0.11	-0.11	0.16	-4.5	28.2	
4,268.0	0.20	246.50	4,267.0	-5.5	25.2	0.20	-0.11	37.77	24.7	14.1	
4,454.0	0.20	137.30	4,453.0	-5.9	25.1	0.18	0.00	-58.71	-21.6	18.4	
4,642.0	1.20	122.20	4,641.0	-7.2	27.0	0.54	0.53	-8.03	-27.9	12.0	



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Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey										
MD (usft)	Inc (")	Asi (azimuth) (°)	TVD (usft)	N/S (usft)	EAW (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,831.0	3.00	149.00	4,829.9	-12.5	31.2	1.06	0.95	14.18	-26.2	24.3
5,018.0	3.70	144.80	5,016.6	-21.6	37.2	0.40	0.37	-2.25	-38.8	21.9
5,151.0	3.50	143.00	5,149.3	-28.3	42.1	0.17	-0.15	-1.35	-47.4	20.6
5,273.0	4.00	129.50	5,271.0	-34.0	47.6	0.83	0.41	-11.07	-54.2	9.4
5,461.0	5.70	138.60	5,458.4	-45.2	58.9	0.99	0.90	4.84	-50.3	20.9
5,649.0	6.80	151.40	5,645.3	-62.0	70.4	0.94	0.59	6.81	-42.1	31.1
5,835.0	7.10	148.00	5,829.9	-81.4	81.7	0.27	0.16	-1.83	-43.9	26.8
6,023.0	7.00	143.90	6,016.5	-100.5	94.7	0.27	-0.05	-2.18	-46.0	23.3
6,211.0	6.60	142.30	6,203.2	-118.3	108.0	0.24	-0.21	-0.85	-46.2	22.8
6,399.0	6.60	139.60	6,389.9	-135.1	121.6	0.17	0.00	-1.44	-46.2	22.3
6,585.0	6.10	152.90	6,574.8	-152.0	133.0	0.83	-0.27	7.15	-37.9	31.7
6,773.0	5.80	150.60	6,761.8	-169.2	142.3	0.20	-0.16	-1.22	-35.9	27.6
6,960.0	5.40	152.00	6,947.9	-185.2	151.0	0.23	-0.21	0.75	-31.0	26.1
7,148.0	5.20	152.50	7,135.1	-200.6	159.1	0.11	-0.11	0.27	-25.6	23.5
7,335.0	5.00	157.00	7,321.3	-215.6	166.2	0.24	-0.11	2.41	-18.1	21.5
7,523.0	4.90	154.00	7,508.6	-230.3	172.9	0.15	-0.05	-1.60	-12.9	16.6
7,710.0	3.30	151.90	7,695.1	-242.3	179.0	0.86	-0.86	-1.12	-4.3	13.2
7,898.0	5.10	148.70	7,882.6	-254.2	185.9	0.97	0.96	-1.70	3.9	11.2
8,086.0	5.00	149.80	8,069.9	-268.4	194.3	0.07	-0.05	0.59	10.2	9.5
8,274.0	7.30	152.20	8,256.8	-286.0	204.0	1.23	1.22	1.28	13.1	6.6
8,461.0	7.20	154.20	8,442.3	-307.1	214.7	0.15	-0.05	1.07	12.0	3.0
8,649.0	4.40	149.40	8,629.3	-323.9	223.5	1.51	-1.49	-2.55	12.4	1.6
8,836.0	3.60	155.10	8,815.9	-335.4	229.6	0.48	-0.43	3.05	7.3	-0.3
9,024.0	3.10	162.50	9,003.6	-345.6	233.6	0.35	-0.27	3.94	-3.6	-0.5
9,212.0	2.60	155.90	9,191.3	-354.4	236.9	0.32	-0.27	-3.51	-12.9	-1.5
9,399.0	0.70	322.90	9,378.3	-357.3	237.9	1.76	-1.02	89.30	15.2	5.3
9,587.0	1.40	334.30	9,566.2	-354.3	236.2	0.39	0.37	6.06	12.5	2.4



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,774.0	1.50	6.70	9,753.2	-349.9	235.5	0.44	0.05	17.33	7.5	-3.4	
9,962.0	1.20	342.10	9,941.1	-345.5	235.2	0.34	-0.16	-13.09	4.0	-1.0	
10,150.0	2.20	185.40	10,129.1	-347.3	234.3	1.77	0.53	-83.35	-5.1	1.7	
10,338.0	1.70	177.30	10,317.0	-353.6	234.0	0.30	-0.27	-4.31	-11.7	0.5	
10,525.0	1.30	184.60	10,503.9	-358.5	234.0	0.24	-0.21	3.90	-16.4	2.3	
10,713.0	0.30	320.50	10,691.9	-360.3	233.5	0.81	-0.53	72.29	14.4	11.2	
10,900.0	4.10	88.70	10,878.7	-359.7	239.9	2.30	2.03	68.56	-8.5	-17.9	
11,087.0	0.50	308.00	11,065.6	-359.1	245.9	2.41	-1.93	-75.24	20.7	5.5	
11,275.0	1.40	26.70	11,253.6	-356.5	246.3	0.74	0.48	41.86	7.0	-18.4	
11,463.0	1.20	259.60	11,441.6	-354.8	245.4	1.24	-0.11	-67.61	9.9	14.9	
11,651.0	1.90	232.40	11,629.5	-357.1	241.0	0.53	0.37	-14.47	-2.8	16.8	
11,838.0	2.20	226.30	11,816.4	-361.5	236.0	0.20	0.16	-3.26	-11.3	16.1	
11,905.0	1.00	221.10	11,883.3	-362.8	234.7	1.80	-1.79	-7.76	-14.6	14.9	
12,034.0	0.80	44.10	12,012.3	-363.0	234.5	1.39	-0.16	-137.21	14.0	-15.7	
12,060.0	2.94	13.82	12,038.3	-362.2	234.8	8.80	8.25	-116.45	19.2	-6.6	
KOP 12060.0' MD; 12038.3' TVD; -362.2'; 234.8'; 2.94											
12,128.0	8.90	7.00	12,105.9	-355.3	235.9	8.80	8.76	-10.03	13.6	-4.6	
12,222.0	21.30	5.80	12,196.5	-331.0	238.5	13.19	13.19	-1.28	3.1	-5.9	
12,309.4	31.99	4.37	12,274.5	-292.0	241.9	12.25	12.23	-1.63	-7.8	-8.7	
FTP Crossing 12309.4' MD; 12274.5' TVD; -292.0'; 241.9'; 31.99											
12,316.0	32.80	4.30	12,280.1	-288.5	242.2	12.25	12.24	-1.10	-8.6	-9.0	
12,410.0	44.60	1.90	12,353.3	-229.9	245.2	12.65	12.55	-2.55	-20.6	-12.4	
12,472.0	55.40	359.90	12,393.1	-182.5	245.8	17.59	17.42	-3.23	-30.1	-14.1	
12,503.0	59.20	358.60	12,409.9	-156.4	245.5	12.76	12.26	-4.19	-35.6	-14.4	
12,597.0	62.00	358.20	12,456.0	-74.5	243.2	3.00	2.98	-0.43	-45.3	-12.7	
12,660.0	72.50	358.70	12,480.3	-16.5	241.6	16.68	16.67	0.79	-47.8	-11.3	
12,707.0	75.50	358.10	12,493.3	28.6	240.4	6.50	6.38	-1.28	-49.1	-10.4	



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Well:	#701H	North Reference:	Grid
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12,801.0	75.40	357.40	12,516.9	119.5	236.8	0.73	-0.11	-0.74	-38.7	-7.4	
12,895.0	78.00	359.10	12,538.5	211.0	234.0	3.28	2.77	1.81	-17.2	-5.1	
12,989.0	85.70	358.80	12,551.8	303.9	232.3	8.20	8.19	-0.32	-3.6	-4.0	
13,083.0	91.80	356.40	12,553.9	397.8	228.4	6.97	8.49	-2.55	-1.3	-0.7	
13,176.0	90.40	357.30	12,552.1	490.6	223.3	1.79	-1.51	0.97	-2.8	3.7	
13,270.0	91.90	356.90	12,550.2	584.5	218.5	1.65	1.60	-0.43	-4.4	7.8	
13,364.0	91.30	358.50	12,547.6	678.3	214.7	1.82	-0.64	1.70	-6.7	10.9	
13,458.0	91.80	0.30	12,545.1	772.3	213.8	1.99	0.53	1.91	-9.0	11.2	
13,553.0	89.20	1.50	12,544.2	867.3	215.3	3.01	-2.74	1.26	-9.6	9.0	
13,647.0	85.60	2.90	12,548.5	961.1	218.9	4.11	-3.83	1.49	-5.0	4.7	
13,741.0	90.60	1.50	12,551.6	1,054.9	222.5	5.52	5.32	-1.49	-1.6	0.4	
13,834.0	88.10	0.20	12,551.8	1,147.9	223.8	2.13	-1.61	-1.40	-1.1	-1.6	
13,928.0	93.10	0.60	12,550.0	1,241.9	224.5	4.28	4.28	0.43	-2.6	-2.9	
14,021.0	92.70	0.40	12,545.3	1,334.8	225.3	0.48	-0.43	-0.22	-7.0	-4.4	
14,115.0	90.10	358.20	12,543.0	1,428.7	224.2	3.62	-2.77	-2.34	-9.1	-4.0	
14,208.0	92.60	359.30	12,540.8	1,521.7	222.1	2.94	2.69	1.18	-11.0	-2.6	
14,302.0	94.20	359.40	12,535.3	1,615.5	221.1	1.71	1.70	0.11	-16.3	-2.2	
14,396.0	92.80	358.90	12,529.5	1,709.3	219.7	1.58	-1.49	-0.53	-21.7	-1.5	
14,490.0	90.90	359.00	12,526.5	1,803.2	218.0	2.02	-2.02	0.11	-24.5	-0.5	
14,584.0	90.60	359.20	12,525.3	1,897.2	216.5	0.38	-0.32	0.21	-25.4	0.3	
14,677.0	90.00	0.10	12,524.8	1,990.2	215.9	1.16	-0.65	0.97	-25.6	0.2	
14,771.0	91.20	0.40	12,523.8	2,084.2	216.3	1.32	1.28	0.32	-26.3	-0.9	
14,865.0	90.40	1.60	12,522.5	2,178.2	218.0	1.53	-0.85	1.28	-27.4	-3.2	
14,959.0	88.60	2.20	12,523.3	2,272.1	221.1	2.02	-1.91	0.64	-28.3	-7.0	
15,052.0	89.20	2.10	12,525.1	2,365.0	224.6	0.65	0.65	-0.11	-24.2	-11.1	
15,146.0	90.40	2.40	12,525.4	2,458.9	228.3	1.32	1.28	0.32	-23.6	-15.5	
15,239.0	88.90	359.60	12,526.0	2,551.9	229.9	3.42	-1.61	-3.01	-22.7	-17.8	



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15,333.0	90.20	0.10	12,526.7	2,645.9	229.6	1.48	1.38	0.53	-21.7	-18.2	
15,427.0	91.70	1.20	12,525.2	2,739.9	230.7	1.98	1.60	1.17	-23.0	-20.0	
15,521.0	90.20	0.10	12,523.6	2,833.9	231.8	1.98	-1.60	-1.17	-24.3	-21.7	
15,615.0	90.00	357.50	12,523.4	2,927.8	229.8	2.77	-0.21	-2.77	-24.2	-20.4	
15,709.0	89.70	358.10	12,523.7	3,021.8	226.2	0.71	-0.32	0.64	-23.6	-17.5	
15,802.0	89.70	359.00	12,524.2	3,114.7	223.8	0.97	0.00	0.97	-22.9	-15.8	
15,896.0	88.50	357.60	12,525.7	3,208.7	221.0	1.96	-1.28	-1.49	-21.1	-13.7	
15,989.0	89.80	358.80	12,527.0	3,301.6	218.1	1.90	1.40	1.29	-19.4	-11.5	
16,083.0	90.90	359.60	12,526.5	3,395.6	216.8	1.45	1.17	0.85	-19.7	-10.8	
16,177.0	90.50	358.20	12,525.3	3,489.6	215.0	1.55	-0.43	-1.49	-20.5	-9.7	
16,271.0	90.80	358.50	12,524.2	3,583.5	212.3	0.45	0.32	0.32	-20.7	-7.7	
16,365.0	91.30	357.40	12,522.5	3,677.5	208.9	1.29	0.53	-1.17	-21.5	-5.0	
16,459.0	89.60	358.80	12,521.8	3,771.4	205.8	2.34	-1.81	1.49	-21.4	-2.5	
16,552.0	88.90	358.90	12,523.0	3,864.4	204.0	0.76	-0.75	0.11	-19.4	-1.3	
16,646.0	89.80	359.60	12,524.1	3,958.4	202.7	1.21	0.96	0.74	-17.4	-0.8	
16,739.0	90.80	0.40	12,523.6	4,051.4	202.7	1.38	1.08	0.86	-17.1	-1.5	
16,833.0	89.10	359.50	12,523.7	4,145.3	202.6	2.05	-1.81	-0.96	-16.1	-2.1	
16,926.0	89.70	0.00	12,524.6	4,238.3	202.2	0.84	0.65	0.54	-14.3	-2.3	
17,019.0	89.40	359.30	12,525.4	4,331.3	201.7	0.82	-0.32	-0.75	-12.7	-2.4	
17,113.0	90.40	359.80	12,525.5	4,425.3	200.9	1.19	1.06	0.53	-11.7	-2.4	
17,207.0	91.50	359.40	12,524.0	4,519.3	200.3	1.25	1.17	-0.43	-12.4	-2.4	
17,300.0	91.60	359.00	12,521.5	4,612.3	199.0	0.44	0.11	-0.43	-14.1	-1.8	
17,394.0	91.00	359.10	12,519.3	4,706.2	197.4	0.65	-0.64	0.11	-15.3	-0.9	
17,413.0	91.50	359.30	12,518.9	4,725.2	197.2	2.83	2.63	1.05	-15.6	-0.8	
Last MWD Survey (MD @ 17413.0)											
17,476.8	91.50	359.30	12,517.2	4,789.0	196.4	0.00	0.00	0.00	-19.5	-0.6	
LTP Crossing 17476.8' MD; 12517.2' TVD; 4789.0'; 196.4'; 91.50											



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3691.0usft
Site:	Yarrow 32 State	MD Reference:	KB = 25 @ 3691.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,477.0	91.50	359.30	12,517.2	4,789.2	196.4	0.00	0.00	0.00	-19.6	-0.6
Projection to Bit (MD = 17477.0)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,060.0	12,038.3	-362.2	234.8	KOP 12060.0' MD; 12038.3' TVD; -362.2'; 234.8'; 2.94
12,309.4	12,274.5	-292.0	241.9	FTP Crossing 12309.4' MD; 12274.5' TVD; -292.0'; 241.9'; 31.99
17,413.0	12,518.9	4,725.2	197.2	Last MWD Survey (MD = 17413.0)
17,476.8	12,517.2	4,789.0	196.4	LTP Crossing 17476.8' MD; 12517.2' TVD; 4789.0'; 196.4'; 91.50
17,477.0	12,517.2	4,789.2	196.4	Projection to Bit (MD = 17477.0)

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Yarrow 32 State #701H

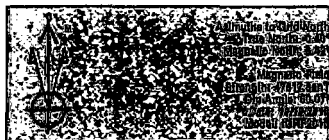
Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

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

WELL DETAILS: #701H

KB = 25 @ 3691.0usft 3656.0
Northing 457304.00 Easting 771862.00 Latitude 32° 15' 18.011 N Longitude 103° 35' 15.414 W



To convert a Magnetic Direction to a Grid Direction, Add 6.42°
To convert a Magnetic Direction to a True Direction, Add 6.82° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	1302.0	0.70	226.80	1302.0	-2.2	-2.8	0.00	0.00	-2.3	
2	1372.0	0.00	0.00	1372.0	-2.5	-3.1	1.00	180.00	-2.6	
3	5100.0	0.00	0.00	5100.0	-2.5	-3.1	0.00	0.00	-2.6	
4	5447.2	6.94	145.19	5446.4	-19.7	8.9	2.00	145.19	-19.3	
5	8520.1	6.94	145.19	8496.6	-324.7	221.0	0.00	0.00	-315.4	
6	8867.3	0.00	0.00	8843.0	-342.0	233.0	2.00	180.00	-332.2	Brushy Top(Yarrow 32 State #701H)
7	12102.8	0.00	0.00	12078.5	-342.0	233.0	0.00	0.00	-332.2	
8	12854.2	90.17	359.59	12556.0	136.9	229.5	12.00	359.59	146.2	
9	16176.9	90.17	359.59	12546.0	3459.5	205.5	0.00	0.00	3465.0	TGTH(Yarrow 32 State #701H)
10	16194.5	90.52	359.59	12545.9	3477.1	205.4	2.00	0.00	3482.6	
11	17496.5	90.52	359.59	12534.0	4779.0	196.0	0.00	0.00	4783.0	PBHL(Yarrow 32 State #701H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Yarrow 32 State #701H)	8843.0	-342.0	233.0	459582.00	772085.00
TGTH(Yarrow 32 State #701H)	12546.0	3459.5	205.5	480763.50	772067.53
PBHL(Yarrow 32 State #701H)	12534.0	4779.0	196.0	462053.00	772058.00
FTP(Yarrow 32 State #701H)	12558.0	-292.0	233.0	487012.00	772085.00

