



HOBBS OCD
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Yarrow 32 State

#702H

OH

Design: OH

Midland PVA

30 November, 2018



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3692.0usft
Site:	Yarrow 32 State	MD Reference:	KB = 25 @ 3692.0usft
Well:	#702H	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
From:	Map	Easting:	771,862.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 15' 18.011 N
		Longitude:	103° 35' 15.799 W
		Grid Convergence:	0.40 °

Well	#702H		
Well Position	+N-S 0.0 usft	Northing:	457,304.00 usft
	+E-W 0.0 usft	Easting:	771,862.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 15' 18.013 N
		Longitude:	103° 35' 15.799 W
		Ground Level:	3,667.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	10/10/2018	6.82
			Dip Angle
			(°)
			60.07
			Field Strength
			(nT)
			47,817.79000815

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			354.84

Survey Program	Date 11/30/2018		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
140.0	17,472.0	Newsco MWD (OH)	MWD
			Description
			OWSG MWD - Standard



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Well:	#702H	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)	E/W (usft)	DLeg (°/100usft)	Buile (°/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
140.0	0.50	331.90	140.0	0.5	-0.3	0.36	0.38	0.00	-0.6	0.0	
325.0	1.00	217.00	325.0	0.0	-1.6	0.70	0.27	-62.11	-1.0	-1.3	
511.0	1.00	214.80	511.0	-2.7	-3.5	0.02	0.00	-1.18	-4.2	-1.4	
700.0	0.50	202.90	699.9	-4.8	-4.8	0.28	-0.26	-8.30	-6.3	-2.8	
888.0	0.20	233.60	887.9	-5.7	-5.4	0.18	-0.16	16.33	-7.7	1.4	
1,076.0	0.40	217.10	1,075.9	-8.4	-6.0	0.11	0.11	-8.78	-8.8	-0.9	
1,275.0	1.80	164.10	1,274.9	-10.0	-5.6	0.80	0.70	-26.63	-8.1	-8.1	
1,308.0	1.70	165.30	1,307.9	-11.0	-5.3	0.32	-0.30	3.64	-9.3	-8.0	
1,461.0	2.70	237.80	1,460.8	-15.1	-7.8	1.78	0.65	47.39	-14.0	8.5	
1,650.0	5.60	239.10	1,649.3	-22.2	-19.5	1.54	1.53	0.69	-17.4	7.1	
1,837.0	5.90	237.80	1,835.3	-32.0	-35.5	0.17	0.16	-0.70	-17.4	3.5	
2,024.0	5.60	239.85	2,021.4	-41.7	-51.5	0.19	-0.16	1.10	-16.8	0.7	
2,211.0	4.80	239.60	2,207.6	-50.3	-66.1	0.43	-0.43	-0.13	-14.5	-3.1	
2,399.0	5.80	236.10	2,394.8	-59.5	-80.8	0.56	0.53	-1.86	-12.1	-7.0	
2,586.0	5.50	230.10	2,580.9	-70.6	-95.5	0.35	-0.16	-3.21	-10.1	-9.8	
2,773.0	5.10	226.90	2,767.1	-82.0	-108.5	0.27	-0.21	-1.71	-7.3	-10.0	
2,961.0	4.80	231.80	2,954.4	-92.6	-120.7	0.28	-0.16	2.61	-4.6	-9.7	
3,148.0	7.00	225.40	3,140.4	-105.4	-135.0	1.23	1.18	-3.42	-3.2	-9.8	
3,336.0	7.00	222.50	3,327.0	-121.9	-150.9	0.19	0.00	-1.54	-6.0	-8.4	
3,523.0	5.80	226.20	3,512.8	-138.8	-165.4	0.68	-0.64	1.98	-7.9	-6.4	
3,711.0	4.80	227.30	3,700.0	-148.7	-178.1	0.53	-0.53	0.59	-5.7	-5.5	
3,898.0	6.50	230.10	3,886.1	-160.8	-191.9	0.92	0.91	1.50	-4.8	-5.3	
4,086.0	6.50	229.30	4,072.9	-174.6	-208.2	0.05	0.00	-0.43	-6.3	-5.7	
4,273.0	5.40	227.30	4,258.9	-187.5	-222.6	0.60	-0.59	-1.07	-6.0	-5.8	
4,461.0	4.80	216.60	4,446.2	-199.8	-233.8	0.60	-0.32	-5.69	-2.1	-4.3	
4,649.0	6.00	220.70	4,633.3	-213.6	-244.9	0.67	0.64	2.18	-0.6	-0.8	



Midland PVA

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Site:	Yarrow 32 State	MD Reference:	KB = 25 @ 3692.0usft
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Asl (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,836.0	6.40	225.40	4,819.2	-228.3	-258.7	0.35	0.21	2.51	-1.3	-1.2	
5,024.0	5.50	218.00	5,006.2	-242.7	-271.7	0.63	-0.48	-3.94	-1.5	3.4	
5,099.0	5.00	215.00	5,080.9	-248.2	-275.8	0.76	-0.67	-4.00	-0.9	5.0	
5,283.0	5.40	216.10	5,274.1	-262.5	-286.1	0.21	0.21	0.57	1.4	9.6	
5,481.0	6.00	212.00	5,461.2	-278.0	-296.5	0.39	0.32	-2.18	0.9	14.7	
5,669.0	6.10	229.80	5,648.1	-292.8	-309.3	1.00	0.05	9.47	5.6	16.4	
5,857.0	5.90	227.70	5,835.1	-305.8	-324.1	0.16	-0.11	-1.12	5.1	16.6	
6,043.0	5.70	236.40	6,020.2	-317.3	-338.8	0.48	-0.11	4.68	8.1	14.6	
6,231.0	5.40	235.70	6,207.3	-327.5	-353.9	0.16	-0.16	-0.37	9.3	12.2	
6,418.0	4.80	234.30	6,393.5	-337.0	-367.6	0.33	-0.32	-0.75	11.8	10.3	
6,606.0	4.80	233.60	6,580.9	-346.2	-380.3	0.03	0.00	-0.37	8.6	9.3	
6,794.0	2.80	227.70	6,768.5	-354.0	-390.0	1.08	-1.06	-3.14	-3.1	9.3	
6,982.0	1.40	183.50	6,956.3	-359.4	-393.5	1.09	-0.74	-23.51	-14.3	1.3	
7,169.0	1.70	164.00	7,143.3	-364.3	-392.9	0.32	0.16	-10.43	-18.9	-4.3	
7,356.0	0.70	159.70	7,330.2	-368.1	-391.8	0.54	-0.53	-2.30	-22.4	-5.9	
7,544.0	1.10	167.00	7,518.2	-370.9	-390.9	0.22	0.21	3.88	-25.9	-2.9	
7,732.0	1.50	133.50	7,706.2	-374.4	-388.8	0.45	0.21	-17.82	-24.0	-17.7	
7,919.0	1.90	129.80	7,893.1	-378.0	-384.6	0.22	0.21	-1.98	-28.4	-19.4	
8,107.0	1.30	42.70	8,081.0	-378.4	-380.8	1.20	-0.32	-46.33	15.6	-32.4	
8,294.0	0.60	61.50	8,268.0	-376.4	-378.5	0.40	-0.37	10.05	1.3	-35.0	
8,482.0	0.60	79.40	8,456.0	-375.7	-376.3	0.16	0.11	9.52	-11.7	-33.4	
8,670.0	0.80	54.10	8,644.0	-374.7	-374.0	0.19	0.00	-13.46	1.2	-35.8	
8,857.0	1.80	321.20	8,830.9	-371.6	-374.7	1.07	0.53	-49.68	32.8	1.7	
9,045.0	2.30	312.10	9,018.8	-366.8	-379.4	0.32	0.27	-4.84	25.5	6.4	
9,232.0	1.90	305.90	9,205.7	-362.5	-384.7	0.25	-0.21	-3.32	17.8	8.7	
9,420.0	1.10	311.60	9,393.8	-359.5	-388.6	0.43	-0.43	3.03	13.7	7.2	
9,608.0	0.70	217.90	9,581.6	-359.2	-390.6	0.71	-0.21	-49.84	-9.1	11.4	



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Well:	#702H	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)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,796.0	1.60	177.20	9,769.6	-362.7	-391.2	0.62	0.48	-21.65	-17.8	1.9
9,983.0	0.90	159.10	9,956.5	-366.7	-390.5	0.43	-0.37	-9.68	-21.5	-4.5
10,171.0	0.60	176.90	10,144.5	-369.0	-390.0	0.20	-0.16	9.47	-24.2	2.7
10,359.0	1.00	323.70	10,332.5	-368.7	-390.9	0.82	0.21	78.09	20.9	11.5
10,546.0	1.10	348.70	10,519.5	-365.6	-392.2	0.25	0.05	13.37	20.6	2.3
10,734.0	0.90	38.60	10,707.4	-362.7	-391.6	0.46	-0.11	26.54	12.3	-12.9
10,921.0	0.90	158.60	10,894.4	-362.9	-390.2	0.83	0.00	64.17	-18.1	-3.0
11,109.0	1.00	99.30	11,082.4	-364.6	-388.0	0.50	0.05	-31.54	-9.1	-18.3
11,296.0	1.10	135.70	11,269.4	-366.1	-385.1	0.35	0.05	19.47	-21.3	-8.4
11,484.0	1.00	82.90	11,457.4	-367.2	-382.3	0.50	-0.05	-28.09	-8.9	-23.5
11,672.0	1.40	342.80	11,645.3	-364.8	-381.3	0.99	0.21	-53.24	22.7	-8.3
11,860.0	1.90	352.50	11,833.3	-359.5	-382.4	0.30	0.27	5.16	15.9	-9.6
11,954.0	1.60	3.60	11,927.2	-356.7	-382.5	0.48	-0.32	11.81	10.9	-12.2
12,039.0	0.80	356.50	12,012.2	-354.9	-382.5	0.96	-0.94	-8.35	10.6	-10.9
12,091.0	5.50	356.13	12,064.1	-352.0	-382.7	9.04	9.04	-0.72	7.8	-10.8
KOP 12091.0' MD; 12064.1' TVD; -352.0'; -382.7'; 5.50										
12,133.0	8.30	356.10	12,105.7	-346.6	-383.0	9.04	9.04	-0.06	3.2	-10.8
12,227.0	28.30	354.60	12,194.3	-316.6	-385.7	20.22	20.21	-1.60	-12.5	-9.8
12,270.5	31.49	355.32	12,232.0	-295.0	-387.6	7.38	7.34	1.65	-22.3	-8.5
FTP Crossing 12270.5' MD; 12232.0' TVD; -295.0'; -387.6'; 31.49										
12,321.0	35.20	356.00	12,274.2	-267.3	-389.7	7.38	7.34	1.35	-31.5	-6.7
12,415.0	41.10	2.40	12,348.1	-209.4	-390.3	7.55	6.28	6.81	-41.6	-3.1
12,509.0	46.50	5.90	12,415.9	-144.5	-395.5	6.26	5.74	3.62	-40.7	-7.1
12,603.0	53.40	2.60	12,476.4	-72.8	-380.4	7.79	7.34	-3.40	-29.1	-15.0
12,697.0	68.30	359.90	12,522.1	9.0	-378.7	16.05	15.85	-2.87	-16.0	-17.9
12,790.0	84.40	0.60	12,543.9	99.1	-378.3	17.33	17.31	0.75	-9.8	-18.9
12,884.0	91.10	358.80	12,547.6	193.0	-378.8	7.38	7.13	-1.91	-7.2	-19.1



Midland PVA

Company: EOG Resources - Midland Project: Lea County, NM (NAD 83 NME) Site: Yarrow 32 State Well: #702H Wellbore: OH Design: OH			Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:			Well #702H KB = 25 @ 3692.0usft KB = 25 @ 3692.0usft Grid Minimum Curvature EDM 5000.14					
Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
12,978.0	93.50	356.30	12,543.9	286.8	-382.8	3.69	2.55	-2.68	-10.7	-15.7	
13,071.0	91.90	355.30	12,539.5	379.4	-389.6	2.03	-1.72	-1.08	-14.8	-9.6	
13,165.0	89.40	357.10	12,538.4	473.2	-395.8	3.28	-2.66	1.91	-15.5	-4.1	
13,259.0	89.70	359.00	12,539.2	567.2	-399.0	2.05	0.32	2.02	-14.5	-1.6	
13,353.0	89.60	359.10	12,539.7	661.1	-400.6	0.15	-0.11	0.11	-13.6	-0.7	
13,446.0	89.50	359.10	12,540.5	754.1	-402.1	0.11	-0.11	0.00	-12.6	0.1	
13,540.0	90.20	359.00	12,540.7	848.1	-403.6	0.75	0.74	-0.11	-12.1	1.0	
13,633.0	91.30	359.00	12,539.5	941.1	-405.2	1.18	1.18	0.00	-13.0	1.9	
13,728.0	91.00	358.30	12,537.6	1,036.0	-407.5	0.80	-0.32	-0.74	-14.7	3.5	
13,821.0	93.20	357.90	12,534.2	1,128.9	-410.6	2.40	2.37	-0.43	-17.8	5.9	
13,915.0	90.00	358.20	12,531.5	1,222.8	-413.8	3.42	-3.40	0.32	-20.1	8.4	
14,009.0	89.00	357.20	12,532.4	1,316.7	-417.5	1.50	-1.06	-1.06	-19.0	11.5	
14,103.0	88.50	356.20	12,534.4	1,410.6	-422.9	1.19	-0.53	-1.06	-16.7	16.2	
14,196.0	90.40	356.80	12,535.3	1,503.4	-428.6	2.14	2.04	0.65	-15.5	21.3	
14,290.0	89.80	358.50	12,535.1	1,597.3	-432.5	1.92	-0.64	1.81	-15.4	24.4	
14,384.0	88.40	0.30	12,536.6	1,691.3	-433.5	2.43	-1.49	1.91	-13.6	24.7	
14,478.0	88.80	2.60	12,538.9	1,785.2	-431.1	2.48	0.43	2.45	-11.1	21.7	
14,572.0	90.00	4.30	12,539.9	1,879.0	-425.4	2.21	1.28	1.81	-9.8	15.3	
14,665.0	91.30	6.00	12,538.9	1,971.6	-417.1	2.30	1.40	1.83	-10.6	6.3	
14,759.0	91.40	3.40	12,536.6	2,065.3	-409.4	2.77	0.11	-2.77	-12.5	-2.0	
14,853.0	93.50	3.50	12,532.6	2,159.0	-403.7	2.24	2.23	0.11	-16.2	-8.4	
14,947.0	93.30	3.20	12,527.0	2,252.7	-398.2	0.38	-0.21	-0.32	-21.5	-14.6	
15,040.0	93.50	1.80	12,521.5	2,345.5	-394.2	1.52	0.22	-1.51	-28.7	-19.3	
15,134.0	91.60	359.60	12,517.3	2,439.3	-393.0	3.09	-2.02	-2.34	-30.7	-21.1	
15,228.0	87.40	357.50	12,518.2	2,533.3	-395.4	5.00	-4.47	-2.23	-29.6	-19.4	
15,322.0	87.10	357.50	12,522.7	2,627.1	-399.5	0.32	-0.32	0.00	-24.8	-16.0	
15,416.0	87.60	359.60	12,527.0	2,720.9	-401.9	2.29	0.53	2.23	-20.1	-14.3	



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Well: #702H							Grid				
Wellbore: OH							Minimum Curvature				
Design: OH			Database:				EDM 5000.14				
Survey											
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15,509.0	88.00	0.60	12,530.6	2,813.9	-401.7	1.16	0.43	1.08	-16.3	-15.1	
15,603.0	88.50	1.40	12,533.5	2,907.8	-400.1	1.00	0.53	0.85	-13.2	-17.4	
15,697.0	89.90	358.20	12,534.8	3,001.8	-400.4	3.72	1.49	-3.40	-11.6	-17.8	
15,791.0	90.20	357.40	12,534.7	3,095.7	-404.0	0.91	0.32	-0.85	-11.4	-14.8	
15,884.0	90.80	357.10	12,533.9	3,188.6	-408.5	0.72	0.65	-0.32	-11.9	-11.0	
15,978.0	92.40	358.70	12,531.3	3,282.5	-411.9	2.41	1.70	1.70	-14.2	-8.3	
16,071.0	90.00	359.00	12,529.3	3,375.5	-413.8	2.60	-2.58	0.32	-15.9	-7.1	
16,165.0	89.30	359.00	12,529.9	3,469.4	-415.4	0.74	-0.74	0.00	-14.9	-6.1	
16,259.0	88.40	359.70	12,531.8	3,563.4	-416.5	1.21	-0.96	0.74	-12.2	-5.7	
16,353.0	87.00	0.30	12,535.5	3,657.3	-416.5	1.62	-1.49	0.64	-7.6	-6.4	
16,447.0	87.20	1.00	12,540.3	3,751.2	-415.4	0.77	0.21	0.74	-2.0	-8.2	
16,541.0	91.30	0.50	12,541.5	3,845.2	-414.2	4.39	4.36	-0.53	0.1	-10.1	
16,634.0	92.60	1.20	12,538.4	3,938.1	-412.8	1.59	1.40	0.75	-2.2	-12.1	
16,728.0	91.60	359.00	12,534.9	4,032.0	-412.7	2.57	-1.06	-2.34	-4.8	-13.0	
16,821.0	92.60	358.70	12,531.5	4,125.0	-414.5	1.12	1.08	-0.32	-7.4	-11.8	
16,915.0	95.40	358.60	12,525.0	4,218.7	-416.7	2.98	2.98	-0.11	-13.1	-10.2	
17,009.0	90.10	359.00	12,520.4	4,312.5	-418.7	5.65	-5.64	0.43	-16.7	-8.9	
17,103.0	88.40	358.80	12,521.7	4,406.5	-420.5	1.82	-1.81	-0.21	-14.7	-7.8	
17,197.0	89.20	359.20	12,523.6	4,500.5	-422.1	0.95	0.85	0.43	-11.8	-6.9	
17,291.0	89.40	359.00	12,524.8	4,594.4	-423.6	0.30	0.21	-0.21	-9.8	-6.1	
17,384.0	91.60	359.30	12,524.0	4,687.4	-425.0	2.39	2.37	0.32	-9.8	-5.4	
17,409.0	91.70	359.20	12,523.3	4,712.4	-425.3	0.57	0.40	-0.40	-10.3	-5.2	
Last MWD Survey (MD = 17409.0)											
17,472.0	91.70	359.20	12,521.4	4,775.4	-426.2	0.00	0.00	0.00	-11.6	-4.8	
Projection to BH (MD = 17472.0)											



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3692.0usft
Site:	Yarrow 32 State	MD Reference:	KB = 25 @ 3692.0usft
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
12,091.0	12,064.1	-352.0	-382.7	KOP 12091.0' MD; 12064.1' TVD; -352.0'; -382.7'; 5.50
12,270.5	12,232.0	-295.0	-387.6	FTP Crossing 12270.5' MD; 12232.0' TVD; -295.0'; -387.6'; 31.49
17,409.0	12,523.3	4,712.4	-425.3	Last MWD Survey (MD = 17409.0)
17,472.0	12,521.4	4,775.4	-426.2	Projection to Bit (MD = 17472.0)

Checked By: _____	Approved By: _____	Date: _____
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Lea County, NM (NAD 83 NME)

Yarrow 32 State #702H

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: #702H

KB = 25 @ 3692.0ust
Northing 457304.00 Easting 771629.00 Latitude 32° 15' 18.013 N Longitude 103° 35' 15.799 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1700.2	6.00	228.79	1699.6	-10.4	-11.8	2.00	228.79	-9.2	
4	6406.7	6.00	228.79	6380.4	-334.6	-382.2	0.00	0.00	-298.9	
5	6706.9	0.00	0.00	6680.0	-345.0	-394.0	2.00	180.00	-308.2	
6	12104.4	0.00	0.00	12077.5	-345.0	-394.0	0.00	0.00	-308.2	
7	12855.9	90.17	359.59	12555.0	133.9	-397.5	12.00	359.59	169.1	
8	16163.2	90.17	359.59	12545.0	3441.1	-421.4	0.00	0.00	3465.0	TGT#1(Yarrow 32 State #702H)
9	16180.4	90.52	359.59	12544.9	3458.3	-421.5	2.00	0.00	3482.2	
0	17498.2	90.52	359.59	12533.0	4776.0	-431.0	0.00	0.00	4795.4	PBHL(Yarrow 32 State #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
TGT#1(Yarrow 32 State #702H)	12545.0	3441.1	-421.4	460745.16	771467.64
PBHL(Yarrow 32 State #702H)	12533.0	4776.0	-431.0	462050.00	771395.00
Brushy Top(Yarrow 32 State #702H)	7454.0	-345.0	-394.0	459593.00	771435.00
FTP(Yarrow 32 State #702H)	12587.0	-295.0	-394.0	457009.00	771435.00

