

HOBBS OCD
MAR 12 2018
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State

#705H

OH

Design: OH

PVA Report

17 January, 2018

PVA Report

Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	KB = 25' @ 3346.0usft (HP 620)
Site:	Condor 32 State			MD Reference:	KB = 25' @ 3346.0usft (HP 620)
Well:	#705H			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	Condor 32 State				
Site Position:		Northing:	398,890.00 usft	Latitude:	32° 5' 37.669 N
From:	Map	Easting:	803,604.00 usft	Longitude:	103° 29' 11.148 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45 °

Well	#705H					
Well Position	+N/-S	0.0 usft	Northing:	398,830.00 usft	Latitude:	32° 5' 37.080 N
	+E/-W	0.0 usft	Easting:	803,545.00 usft	Longitude:	103° 29' 11.839 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,321.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/17/2017	6.87	59.95	47,835.94615303

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	177.72	

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Survey Program		Date	1/17/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
159.0	869.0	Olebrook MWD (OH)	MWD	MWD - Standard	
1,055.0	17,384.0	Intrepid MWD (OH)	MWD	MWD - Standard	

Survey											
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/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	
159.0	0.79	267.79	159.0	0.0	-1.1	0.50	0.50	0.00	-1.1	0.0	
251.0	0.44	161.05	251.0	-0.4	-1.6	1.10	-0.38	-116.02	0.1	-1.7	
377.0	0.62	313.23	377.0	-0.4	-2.0	0.82	0.14	120.78	-1.2	1.6	
440.0	0.70	173.49	440.0	-0.5	-2.2	1.97	0.13	-221.81	-0.3	-2.2	
597.0	0.35	118.29	597.0	-1.7	-1.6	0.37	-0.22	-35.16	0.6	-2.3	
785.0	0.88	104.49	785.0	-2.4	0.3	0.29	0.28	-7.34	-0.9	-2.2	
869.0	0.93	111.95	869.0	-2.8	1.5	0.15	0.06	8.88	-2.5	-2.0	
1,055.0	0.66	143.60	1,054.9	-4.2	3.6	0.27	-0.15	17.02	-5.5	0.4	
1,243.0	0.75	184.29	1,242.9	-6.3	4.1	0.26	0.05	21.64	-6.0	4.6	
1,432.0	1.05	180.34	1,431.9	-9.3	4.0	0.16	0.16	-2.09	-9.2	4.1	
1,619.0	1.58	177.26	1,618.9	-13.5	4.1	0.29	0.28	-1.65	-13.7	3.5	
1,808.0	1.93	183.68	1,807.8	-19.3	4.0	0.21	0.19	3.40	-19.0	5.3	
1,996.0	2.33	174.10	1,995.6	-26.3	4.2	0.28	0.21	-5.10	-26.6	1.5	
2,184.0	2.20	175.41	2,183.5	-33.7	4.9	0.07	-0.07	0.70	-34.0	2.2	
2,372.0	2.37	170.76	2,371.3	-41.1	5.8	0.13	0.09	-2.47	-41.5	-0.8	
2,558.0	2.86	170.40	2,557.1	-49.5	7.2	0.26	0.26	-0.19	-50.0	-1.1	
2,746.0	2.20	149.13	2,745.0	-57.2	9.9	0.60	-0.35	-11.31	-54.2	-20.9	
2,933.0	1.93	95.35	2,931.9	-60.6	14.8	1.01	-0.14	-28.76	-20.4	-58.9	
3,120.0	2.95	79.53	3,118.7	-60.0	22.7	0.65	0.55	-8.46	-11.4	-63.1	
3,308.0	4.18	68.71	3,306.3	-56.6	33.8	0.74	0.65	-5.76	-10.9	-65.1	

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Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
3,495.0	3.82	53.07	3,492.9	-50.4	45.2	0.61	-0.19	-8.36	-5.8	-67.5	
3,683.0	3.38	21.69	3,680.5	-41.5	52.2	1.06	-0.23	-16.69	19.2	-63.9	
3,871.0	3.78	8.77	3,868.2	-30.2	55.2	0.48	0.21	-6.87	21.4	-59.2	
4,058.0	4.35	8.33	4,054.7	-17.1	57.2	0.31	0.30	-0.24	8.6	-59.1	
4,245.0	4.35	359.11	4,241.2	-3.0	58.1	0.37	0.00	-4.93	3.9	-58.1	
4,433.0	3.30	357.35	4,428.7	9.5	57.7	0.56	-0.56	-0.94	-6.8	-58.1	
4,621.0	3.03	31.27	4,616.5	19.2	60.1	0.99	-0.14	18.04	-47.5	-41.4	
4,807.0	2.99	43.58	4,802.2	26.9	66.0	0.35	-0.02	6.62	-64.9	-29.3	
4,995.0	3.74	82.51	4,989.9	31.2	75.4	1.25	0.40	20.71	-78.8	21.2	
5,152.0	3.60	83.48	5,146.6	32.5	85.4	0.10	-0.09	0.62	-88.5	22.6	
5,267.0	3.52	88.23	5,261.4	33.0	92.5	0.27	-0.07	4.13	-93.5	30.2	
5,454.0	4.57	42.79	5,447.9	38.6	103.3	1.75	0.56	-24.30	-98.5	-49.7	
5,642.0	4.92	22.31	5,635.3	51.6	111.5	0.91	0.19	-10.89	-88.8	-83.2	
5,829.0	4.70	23.01	5,821.6	66.1	117.5	0.12	-0.12	0.37	-94.2	-78.2	
6,017.0	4.35	21.43	6,009.1	79.8	123.1	0.20	-0.19	-0.84	-88.3	-74.6	
6,204.0	3.82	19.14	6,195.6	92.3	127.8	0.30	-0.28	-1.22	-80.3	-71.2	
6,392.0	4.44	25.21	6,383.1	104.8	132.9	0.40	0.33	3.23	-81.9	-56.5	
6,580.0	4.40	21.43	6,570.5	118.1	138.6	0.16	-0.02	-2.01	-73.9	-55.8	
6,768.0	4.31	20.37	6,758.0	131.4	143.7	0.06	-0.05	-0.56	-68.7	-50.6	
6,955.0	4.44	18.35	6,944.4	144.9	148.5	0.11	0.07	-1.08	-63.0	-45.8	
7,143.0	3.34	15.01	7,132.0	157.1	152.2	0.60	-0.59	-1.78	-55.2	-41.4	
7,331.0	1.41	33.47	7,319.8	164.3	154.9	1.09	-1.03	9.82	-53.4	-17.8	
7,519.0	1.27	51.84	7,507.8	167.5	157.8	0.24	-0.07	9.77	-41.3	-3.2	
7,706.0	1.10	74.78	7,694.8	169.2	161.1	0.27	-0.09	12.27	-26.8	2.9	
7,894.0	0.79	107.83	7,882.7	169.3	164.1	0.33	-0.16	17.58	-18.3	5.4	
8,082.0	1.05	120.57	8,070.7	168.0	166.8	0.18	0.14	6.78	-19.3	7.2	
8,269.0	1.19	137.71	8,257.7	165.7	169.6	0.19	0.07	9.17	-19.9	13.1	

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8,457.0	1.32	142.37	8,445.6	162.6	172.3	0.09	0.07	2.48	-22.8	14.8	
8,645.0	1.10	164.69	8,633.6	159.1	174.1	0.27	-0.12	11.87	-19.3	23.2	
8,832.0	1.05	165.57	8,820.6	155.7	175.0	0.03	-0.03	0.47	-22.4	23.5	
9,020.0	1.05	165.48	9,008.5	152.4	175.8	0.00	0.00	-0.05	-25.9	23.5	
9,208.0	1.01	168.56	9,196.5	149.1	176.6	0.04	-0.02	1.64	-28.0	25.0	
9,395.0	0.97	173.39	9,383.5	145.9	177.1	0.05	-0.02	2.58	-29.0	27.4	
9,583.0	0.88	165.75	9,571.4	142.9	177.6	0.08	-0.05	-4.06	-35.4	23.0	
9,770.0	0.84	141.49	9,758.4	140.5	178.8	0.19	-0.02	-12.97	-44.4	5.9	
9,956.0	1.32	148.17	9,944.4	137.6	180.8	0.27	0.26	3.59	-47.0	11.2	
10,144.0	2.59	156.69	10,132.3	131.8	183.6	0.69	0.68	4.53	-51.2	18.3	
10,333.0	3.03	158.19	10,321.0	123.3	187.2	0.24	0.23	0.79	-59.9	19.8	
10,521.0	2.73	154.50	10,508.8	114.6	191.0	0.19	-0.16	-1.96	-70.5	15.6	
10,708.0	2.95	186.84	10,695.6	105.8	192.3	0.85	0.12	17.29	-59.8	53.3	
10,896.0	1.89	202.04	10,883.4	98.2	190.6	0.65	-0.56	8.09	-51.6	68.4	
11,084.0	1.36	191.41	11,071.3	93.1	189.0	0.32	-0.28	-5.65	-68.6	57.1	
11,272.0	1.63	233.25	11,259.3	89.3	186.4	0.58	0.14	22.26	-17.3	89.8	
11,460.0	1.05	24.42	11,447.3	89.3	184.9	1.38	-0.31	80.41	59.1	-69.0	
11,647.0	1.71	41.12	11,634.2	92.9	187.5	0.41	0.35	8.93	32.3	-82.6	
11,835.0	1.85	67.66	11,822.1	96.2	192.1	0.44	0.07	14.12	-13.5	-87.1	
11,917.0	2.24	88.67	11,904.1	96.7	195.0	1.02	0.48	25.62	-46.6	-76.0	
12,052.0	3.30	105.54	12,038.9	95.8	201.3	0.98	0.79	12.50	-73.0	-58.4	
12,146.0	3.65	110.70	12,132.7	94.0	206.7	0.50	0.37	5.49	-83.7	-51.4	
12,153.3	4.01	112.91	12,140.0	93.8	207.2	5.30	4.89	30.45	-86.1	-48.1	
KOP (Condor 32 State #705H)											
12,239.0	8.40	124.35	12,225.2	89.1	215.1	5.30	5.13	13.34	-99.3	-22.4	
12,284.0	10.33	130.85	12,269.6	84.6	220.9	4.88	4.29	14.44	-101.2	-1.3	
12,333.0	14.11	137.53	12,317.5	77.3	228.3	8.22	7.71	13.63	-97.7	23.5	

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12,378.0	17.71	143.86	12,360.8	67.8	236.0	8.87	8.00	14.07	-89.5	47.1	
12,426.0	27.52	164.95	12,405.1	51.1	243.2	26.22	20.44	43.94	-59.3	84.6	
12,472.0	38.90	178.93	12,443.6	26.3	246.3	29.68	24.74	30.39	-35.3	98.1	
12,520.0	46.64	198.00	12,478.9	-5.6	241.1	31.29	16.12	39.73	-11.6	97.7	
12,566.0	52.00	215.58	12,509.0	-36.4	225.3	31.16	11.65	38.22	1.4	82.0	
12,594.0	54.07	212.24	12,525.9	-55.0	212.8	12.06	7.39	-11.93	-4.3	69.0	
12,610.0	56.79	205.91	12,535.0	-66.5	206.5	36.73	17.00	-39.56	-10.0	61.7	
12,642.0	64.35	199.58	12,550.7	-92.2	195.8	29.22	23.62	-19.78	-16.6	49.5	
12,661.1	66.51	197.67	12,558.6	-108.6	190.2	14.52	11.32	-10.01	-18.7	43.5	
HL Crossing, MD:12661.1', TVD:12558.6', N/S:-108.6', E/W:190.2', INC:66.51											
12,673.0	67.87	196.51	12,563.2	-119.1	187.0	14.52	11.41	-9.74	-19.9	39.9	
12,696.0	69.46	194.35	12,571.6	-139.8	181.3	11.15	6.92	-9.39	-21.5	33.7	
FTP (Condor 32 State #705H)											
12,704.0	70.02	193.61	12,574.4	-147.0	179.5	11.15	6.99	-9.26	-21.8	31.7	
12,736.0	73.45	190.27	12,584.4	-176.8	173.2	14.60	10.72	-10.44	-22.9	24.5	
12,767.0	75.74	187.02	12,592.6	-206.3	168.7	12.52	7.39	-10.48	-22.9	19.3	
12,798.0	77.93	185.43	12,599.7	-236.3	165.4	8.65	7.06	-5.13	-21.8	15.5	
12,844.0	80.09	185.70	12,608.5	-281.2	161.1	4.73	4.70	0.59	-17.8	10.5	
12,892.0	82.02	185.87	12,615.9	-328.4	156.3	4.04	4.02	0.35	-11.4	5.2	
12,938.0	83.03	185.43	12,621.9	-373.8	151.8	2.39	2.20	-0.96	-6.1	0.3	
12,986.0	85.85	183.76	12,626.6	-421.4	148.0	6.82	5.87	-3.48	-2.0	-4.0	
13,079.0	88.44	179.28	12,631.2	-514.2	145.5	5.56	2.78	-4.82	1.4	-7.3	
13,173.0	88.09	178.14	12,634.0	-608.2	147.6	1.27	-0.37	-1.21	3.0	-6.1	
13,267.0	88.48	177.87	12,636.9	-702.1	150.9	0.50	0.41	-0.29	4.6	-3.7	
13,361.0	88.66	177.52	12,639.2	-796.0	154.7	0.42	0.19	-0.37	5.8	-0.7	
13,454.0	91.16	178.14	12,639.4	-888.9	158.2	2.77	2.69	0.67	4.7	1.9	
13,548.0	89.89	177.79	12,638.5	-982.8	161.5	1.40	-1.35	-0.37	2.6	4.4	

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13,560.0	90.04	177.87	12,638.5	-994.9	162.0	1.42	1.27	0.65	2.5	4.8	
TGT 1 (Condor 32 State #705H)											
13,642.0	91.08	178.40	12,637.7	-1,076.8	164.7	1.42	1.27	0.65	0.9	6.7	
13,736.0	89.36	179.19	12,637.3	-1,170.7	166.6	2.01	-1.83	0.84	-0.3	7.8	
13,830.0	90.37	180.16	12,637.6	-1,264.7	167.2	1.49	1.07	1.03	-0.9	7.5	
13,924.0	90.64	179.46	12,636.7	-1,358.7	167.5	0.80	0.29	-0.74	-2.6	7.0	
14,017.0	88.79	180.34	12,637.2	-1,451.7	167.6	2.20	-1.99	0.95	-2.9	6.3	
14,111.0	87.56	181.65	12,640.2	-1,545.7	166.0	1.91	-1.31	1.39	-0.8	3.8	
14,205.0	88.75	181.74	12,643.2	-1,639.6	163.2	1.27	1.27	0.10	1.4	0.2	
14,299.0	88.48	180.60	12,645.5	-1,733.5	161.3	1.25	-0.29	-1.21	2.8	-2.6	
14,393.0	90.95	180.60	12,645.9	-1,827.5	160.3	2.63	2.63	0.00	2.5	-4.5	
14,486.0	91.69	180.51	12,643.8	-1,920.5	159.4	0.80	0.80	-0.10	-0.5	-6.2	
14,560.4	91.34	180.23	12,641.8	-1,994.9	158.9	0.60	-0.47	-0.37	-3.2	-7.4	
TGT 2 (Condor 32 State #705H)											
14,580.0	91.25	180.16	12,641.4	-2,014.4	158.9	0.60	-0.47	-0.37	-3.7	-7.6	
14,674.0	90.86	181.39	12,639.7	-2,108.4	157.6	1.37	-0.41	1.31	-6.0	-9.7	
14,768.0	90.11	181.04	12,638.9	-2,202.4	155.6	0.88	-0.80	-0.37	-7.4	-12.6	
14,862.0	86.59	180.86	12,641.6	-2,296.3	154.1	3.75	-3.74	-0.19	-5.3	-15.0	
14,956.0	86.90	180.69	12,646.9	-2,390.2	152.8	0.38	0.33	-0.18	-0.5	-17.1	
15,050.0	87.52	179.63	12,651.5	-2,484.1	152.5	1.31	0.66	-1.13	3.5	-18.2	
15,144.0	88.66	178.49	12,654.6	-2,578.0	154.1	1.71	1.21	-1.21	6.1	-17.5	
15,238.0	87.91	178.58	12,657.4	-2,671.9	156.5	0.80	-0.80	0.10	8.4	-16.0	
15,331.0	88.40	177.08	12,660.4	-2,764.8	160.0	1.70	0.53	-1.61	10.8	-13.3	
15,424.0	90.86	176.73	12,661.0	-2,857.6	165.0	2.67	2.65	-0.38	10.9	-9.1	
15,518.0	90.29	176.64	12,660.1	-2,951.5	170.4	0.61	-0.61	-0.10	9.4	-4.5	
15,562.5	91.04	176.60	12,659.6	-2,995.9	173.1	1.68	1.68	-0.09	8.6	-2.3	
TGT 3 (Condor 32 State #705H)											

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3346.0usft (HP 620)
Site:	Condor 32 State	MD Reference:	KB = 25' @ 3346.0usft (HP 620)
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
15,612.0	91.87	176.56	12,658.3	-3,045.3	176.0	1.68	1.68	-0.09	7.0	0.2	
15,706.0	91.87	177.08	12,655.2	-3,139.1	181.2	0.55	0.00	0.55	3.4	4.5	
15,800.0	90.68	179.63	12,653.2	-3,233.0	183.9	2.99	-1.27	2.71	0.7	6.4	
15,894.0	90.02	181.57	12,652.6	-3,327.0	182.9	2.18	-0.70	2.06	-0.4	4.6	
15,987.0	89.14	182.36	12,653.3	-3,420.0	179.8	1.27	-0.95	0.85	-0.3	0.5	
16,081.0	89.45	184.20	12,654.4	-3,513.8	174.4	1.98	0.33	1.96	0.3	-5.7	
16,175.0	90.07	182.27	12,654.8	-3,607.6	169.1	2.16	0.66	-2.05	0.2	-11.9	
16,269.0	89.98	181.92	12,654.8	-3,701.6	165.6	0.38	-0.10	-0.37	-0.5	-16.2	
16,362.0	89.32	180.78	12,655.3	-3,794.5	163.4	1.42	-0.71	-1.23	-0.4	-19.2	
16,456.0	87.78	179.02	12,657.7	-3,888.5	163.6	2.49	-1.64	-1.87	1.4	-19.9	
16,550.0	86.90	179.02	12,662.1	-3,982.4	165.2	0.94	-0.94	0.00	5.2	-19.1	
16,563.6	86.98	179.10	12,662.8	-3,996.0	165.4	0.82	0.61	0.55	5.8	-19.0	
TGT 4 (Condor 32 State #705H)											
16,644.0	87.47	179.54	12,666.7	-4,076.3	166.4	0.82	0.61	0.55	8.8	-18.8	
16,738.0	86.86	179.54	12,671.3	-4,170.2	167.2	0.65	-0.65	0.00	12.3	-18.9	
16,832.0	86.55	178.05	12,676.7	-4,264.0	169.1	1.62	-0.33	-1.59	16.6	-17.8	
16,925.0	93.41	176.73	12,676.8	-4,356.8	173.4	7.51	7.38	-1.42	15.4	-14.4	
17,019.0	93.27	180.42	12,671.3	-4,450.6	175.7	3.92	-0.15	3.93	8.8	-12.9	
17,113.0	92.79	177.52	12,666.3	-4,544.5	177.4	3.12	-0.51	-3.09	2.7	-12.1	
17,207.0	91.34	178.84	12,662.9	-4,638.3	180.4	2.09	-1.54	1.40	-1.8	-9.9	
17,294.5	92.00	179.67	12,660.4	-4,725.8	181.5	1.21	0.75	0.95	-5.4	-9.6	
HL Crossing, MD:17294.5', TVD:12660.4', N/S:-4725.8', E/W:181.5', INC:92.00											
17,300.0	92.04	179.72	12,660.2	-4,731.3	181.5	1.21	0.75	0.95	-5.6	-9.6	
17,327.0	92.48	179.98	12,659.1	-4,758.3	181.6	1.89	1.63	0.96	-7.0	-9.8	
Final MWD Survey (MD=17327.0')											
17,384.0	92.48	179.98	12,656.7	-4,815.2	181.6	0.00	0.00	0.00	-10.2	-10.3	
Final Projection to Bit (MD=17384.0') - PBHL (Condor 32 State #705H)											

PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3346.0usft (HP 620)
Site:	Condor 32 State	MD Reference:	KB = 25' @ 3346.0usft (HP 620)
Well:	#705H	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)	
12,661.1	12,558.6	-108.6	190.2	HL Crossing, MD:12661.1', TVD:12558.6', N/S:-108.6', E/W:190.2', INC:66.51
17,294.5	12,660.4	-4,725.8	181.5	HL Crossing, MD:17294.5', TVD:12660.4', N/S:-4725.8', E/W:181.5', INC:92.00
17,327.0	12,659.1	-4,758.3	181.6	Final MWD Survey (MD=17327.0')
17,384.0	12,656.7	-4,815.2	181.6	Final Projection to Bit (MD=17384.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Condor 32 State #705H

HP 620

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: #705H

KB = 25' @ 3346.0usft (HP 620) 3321.0
Northing 398830.00 Easting 803545.00 Latitude 32° 5' 37.080 N Longitude 103° 29' 11.839 W

SECTION DETAILS

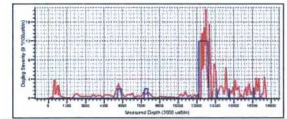
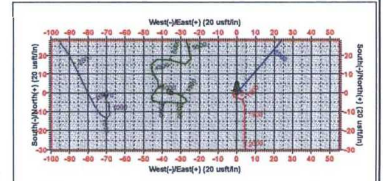
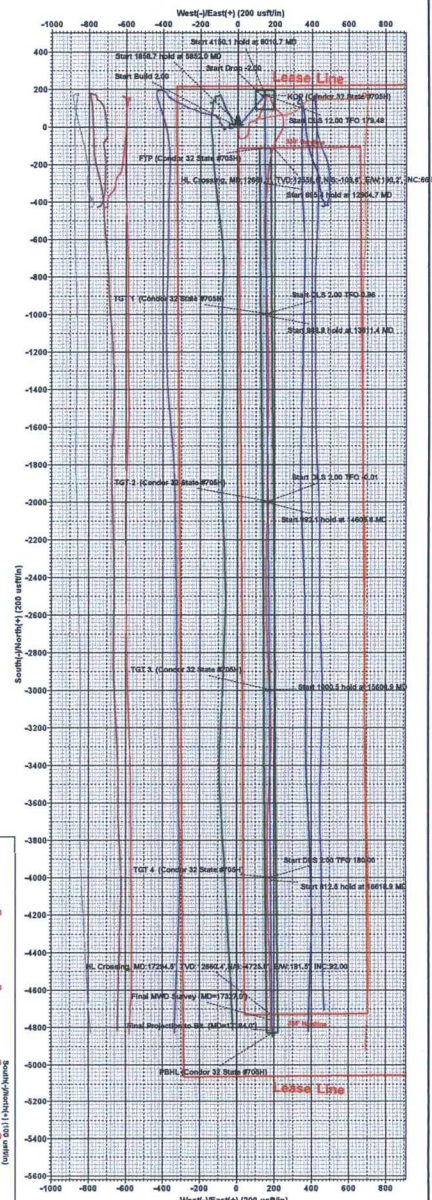
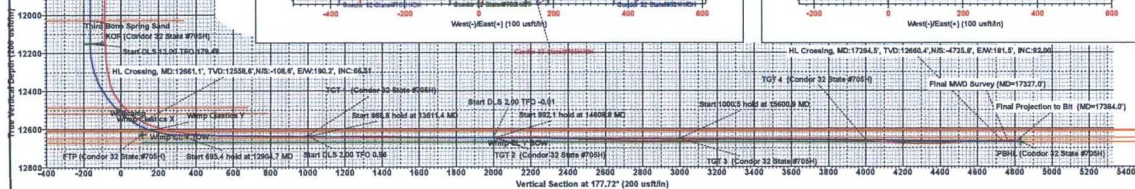
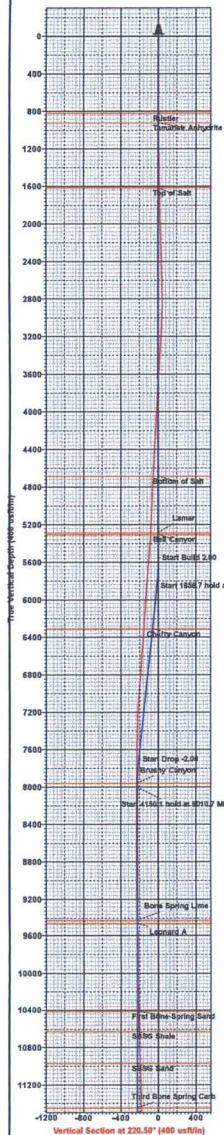
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5552.0	0.00	0.00	5552.0	0.0	0.0	0.00	0.00	0.0	
3	5852.0	6.00	40.50	5851.5	11.9	10.2	40.50	-11.5		
4	7710.7	6.00	40.50	7700.0	159.7	136.4	0.00	-154.1		
5	8010.7	0.00	0.00	7999.5	171.6	146.6	2.00	-165.6		
6	12160.9	0.00	0.00	12149.6	171.6	146.6	0.00	-165.6		
7	12904.7	89.26	179.48	12627.0	-299.7	150.9	12.00	179.48	305.4	
8	13600.1	89.26	179.48	12636.0	-995.0	157.2	0.00	1000.5		TGT 1 (Condor 32 State #705H)
9	13611.4	89.49	179.48	12636.1	-1006.3	157.3	2.00	1011.7		TGT 2 (Condor 32 State #705H)
10	14600.2	89.49	179.48	12645.0	-1995.0	166.3	0.00	2000.0		TGT 3 (Condor 32 State #705H)
11	14608.8	89.66	179.48	12645.1	-2003.6	166.4	2.00	2008.6		TGT 4 (Condor 32 State #705H)
12	15600.9	89.66	179.48	12651.0	-2995.6	175.4	0.00	3000.2		
13	16601.3	89.66	179.48	12657.0	-3996.0	184.5	0.00	4000.2		
14	16618.9	89.31	179.48	12657.2	-4013.6	184.6	2.00	180.00	4017.7	
15	17431.4	89.31	179.48	12667.0	-4826.0	192.0	0.00	0.00	4829.8	PBHL (Condor 32 State #705H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP (Condor 32 State #705H)	12149.6	171.6	146.6	399001.61	803699.67
FTP (Condor 32 State #705H)	12627.0	-109.0	149.0	398721.00	803694.00
TGT 1 (Condor 32 State #705H)	12636.0	-995.0	157.2	397835.00	803702.23
TGT 2 (Condor 32 State #705H)	12645.0	-1995.0	166.3	396835.00	803711.31
TGT 3 (Condor 32 State #705H)	12651.0	-2995.6	175.4	395834.40	803720.39
TGT 4 (Condor 32 State #705H)	12657.0	-3996.0	184.5	394834.00	803729.47
PBHL (Condor 32 State #705H)	12667.0	-4826.0	192.0	394004.00	803737.00



Lea County, NM (NAD 83 NME)
Condor 32 State #705H
HP 620
Plan #1
Date: 10/17/2017
Model: IGRF2015