

HOBBS OCD

OCT 31 2018

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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Barlow 34 Fed Com

#714H

OH

Design: OH

Midland PVA

26 August, 2018





Midland PVA



Company: EOG Resources - Midland		Local Co-ordinate Reference:		Well #714H	
Project: Lea County, NM (NAD 83 NME)		TVD Reference:		KB = 25' @ 3348.0usft	
Site: Barlow 34 Fed Com		MD Reference:		KB = 25' @ 3348.0usft	
Well: #714H		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 Barlow 34 Fed Com					
Site Position:		Northing: 364,974.00 usft		Latitude: 32° 0' 3.879 N	
From: Map		Easting: 778,981.00 usft		Longitude: 103° 34' 0.167 W	
Position Uncertainty: 0.0 usft		Slot Radius: 13-3/16 "		Grid Convergence: 0.41 "	

Well #714H					
Well Position +N-S 0.0 usft		Northing: 365,007.00 usft		Latitude: 32° 0' 3.905 N	
+E-W 0.0 usft		Easting: 783,215.00 usft		Longitude: 103° 33' 10.997 W	
Position Uncertainty 0.0 usft		Wellhead Elevation: usft		Ground Level: 3,323.0 usft	

Wellbore OH					
Magnetics					
Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
IGRF2015	7/20/2017	6.92	59.86	47,798.87657006	

Design OH			
Audit Notes:			
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0	
Vertical Section:			
Depth From (TVD)	+N-S	+E-W	Direction
(usft)	(usft)	(usft)	(°)
0.0	0.0	0.0	350.65

Survey Program		Date 8/26/2018		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
147.0	17,229.0	Gordon MWD (OH)	MWD	OWSG MWD - Standard



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Well:	#714H	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)	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	0.0
147.0	0.22	101.87	147.0	-0.1	0.3	0.15	0.15	0.00	-0.3	0.0	
329.0	0.42	142.78	329.0	-0.7	1.0	0.16	0.11	22.48	-1.1	0.4	
505.0	0.60	185.53	505.0	-2.1	1.3	0.23	0.10	24.29	-2.0	1.5	
683.0	1.11	199.82	683.0	-4.6	0.6	0.31	0.29	8.03	-4.1	2.2	
872.0	1.04	192.89	871.9	-8.0	-0.4	0.08	-0.04	-3.67	-7.9	1.4	
910.0	1.01	194.49	909.9	-8.7	-0.5	0.11	-0.08	4.21	-8.5	1.7	
1,065.0	2.49	243.48	1,064.9	-11.5	-3.9	1.28	0.95	31.61	-8.6	8.6	
1,249.0	5.63	248.88	1,248.4	-16.6	-15.9	1.72	1.71	2.93	-16.9	9.9	
1,435.0	7.93	256.88	1,433.1	-22.8	-36.9	1.33	1.24	4.30	-21.6	11.8	
1,620.0	7.33	254.37	1,616.4	-28.8	-60.7	0.37	-0.32	-1.36	-23.9	9.0	
1,809.0	6.48	254.61	1,804.1	-34.9	-82.6	0.45	-0.45	0.13	-23.4	7.7	
1,998.0	6.46	253.79	1,991.9	-40.7	-103.1	0.05	-0.01	-0.43	-21.5	6.0	
2,187.0	5.90	253.37	2,179.8	-46.5	-122.6	0.30	-0.30	-0.22	-18.6	4.9	
2,376.0	6.65	254.61	2,367.6	-52.1	-142.4	0.40	0.40	0.66	-15.8	4.0	
2,556.0	6.77	252.80	2,546.4	-58.1	-162.6	0.14	0.07	-1.01	-14.8	2.5	
2,745.0	6.21	250.35	2,734.2	-64.8	-182.9	0.33	-0.30	-1.30	-12.9	1.7	
2,932.0	6.51	248.90	2,920.0	-72.0	-202.3	0.18	0.16	-0.78	-10.6	2.0	
3,119.0	6.85	253.26	3,105.8	-79.0	-222.9	0.33	0.18	2.33	-9.1	2.7	
3,213.0	7.09	256.51	3,199.1	-82.0	-233.9	0.49	0.26	3.46	-8.8	2.4	
3,400.0	7.50	253.54	3,384.5	-88.1	-256.8	0.30	0.22	-1.59	-9.6	0.3	
3,587.0	7.76	258.81	3,569.9	-94.1	-280.9	0.40	0.14	2.82	-11.5	-0.8	
3,774.0	7.39	261.94	3,755.3	-98.2	-305.2	0.30	-0.20	1.67	-13.5	-3.9	
3,958.0	6.42	259.04	3,937.9	-101.8	-327.0	0.56	-0.53	-1.58	-12.9	-8.3	
4,146.0	6.12	253.09	4,124.8	-106.7	-346.9	0.38	-0.16	-3.16	-9.3	-11.5	
4,333.0	6.25	253.26	4,310.7	-112.6	-366.2	0.07	0.07	0.09	-6.4	-12.3	
4,520.0	6.73	248.35	4,496.5	-119.5	-386.1	0.39	0.26	-2.63	-3.4	-12.6	



Midland PVA



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Well:	#714H	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)	DLeg (°/100usft)	Gulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)		
4,708.0	6.89	245.71	4,683.2	-128.2	-406.6	0.19	0.09	-1.40	-2.0	-11.1		
4,895.0	7.51	244.54	4,868.7	-138.1	-427.9	0.34	0.33	-0.63	-2.3	-8.8		
4,951.0	7.44	245.20	4,924.2	-141.2	-434.5	0.20	-0.12	1.18	-2.8	-8.0		
5,061.0	6.98	243.73	5,033.4	-147.1	-447.0	0.45	-0.42	-1.34	-2.9	-6.5		
5,249.0	6.85	248.97	5,220.0	-156.2	-467.7	0.34	-0.07	2.79	-2.9	-4.4		
5,437.0	7.15	248.17	5,406.6	-164.6	-489.0	0.17	0.16	-0.43	-2.6	-3.4		
5,626.0	6.81	249.20	5,594.2	-172.9	-510.4	0.19	-0.18	0.54	-2.4	-2.4		
5,812.0	6.41	249.54	5,779.0	-180.5	-530.4	0.22	-0.22	0.18	-0.8	-1.7		
6,000.0	6.31	250.30	5,965.8	-187.6	-550.0	0.07	-0.05	0.40	1.5	-1.3		
6,187.0	8.03	254.95	6,151.3	-194.5	-572.3	0.97	0.92	2.49	1.1	-2.1		
6,375.0	7.77	253.78	6,337.6	-201.5	-597.2	0.16	-0.14	-0.62	-1.6	-3.5		
6,563.0	7.54	251.41	6,523.9	-208.9	-621.0	0.21	-0.12	-1.26	-3.3	-4.2		
6,751.0	7.91	252.87	6,710.2	-216.7	-645.1	0.22	0.20	0.78	-5.5	-4.6		
6,938.0	7.36	251.81	6,895.5	-224.2	-668.8	0.30	-0.29	-0.57	-7.2	-5.2		
7,032.0	5.20	240.73	6,989.0	-228.2	-678.2	2.62	-2.30	-11.79	-4.8	-5.6		
7,126.0	2.30	207.51	7,082.7	-231.9	-682.8	3.73	-3.09	-35.34	2.0	-1.7		
7,313.0	1.25	227.83	7,269.7	-236.6	-686.0	0.65	-0.56	10.87	16.9	8.2		
7,501.0	1.02	230.20	7,457.6	-239.1	-688.9	0.12	-0.12	1.26	35.2	15.8		
7,687.0	1.16	235.54	7,643.6	-241.2	-691.7	0.09	0.08	2.87	48.5	16.9		
7,873.0	1.40	248.02	7,829.5	-243.1	-695.3	0.20	0.13	6.71	50.9	6.6		
8,062.0	1.06	228.70	8,018.5	-245.2	-698.8	0.30	-0.18	-11.28	41.1	23.8		
8,249.0	1.18	235.16	8,205.5	-247.5	-701.6	0.11	0.06	4.52	40.5	17.8		
8,437.0	1.83	220.71	8,393.4	-250.8	-705.1	0.40	0.35	-7.69	29.9	26.9		
8,625.0	2.58	209.79	8,581.3	-256.8	-709.2	0.46	0.40	-5.81	17.1	31.5		
8,812.0	0.54	229.85	8,768.2	-261.0	-712.0	1.11	-1.09	10.73	22.0	25.1		
8,999.0	1.22	232.38	8,955.2	-262.8	-714.2	0.36	0.36	1.35	20.2	24.2		
9,188.0	1.50	238.21	9,144.1	-265.3	-717.9	0.17	0.15	3.08	18.1	22.2		



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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,237.0	1.48	233.54	9,193.1	-266.0	-719.0	0.25	-0.04	-9.53	15.0	23.6
9,375.0	1.28	239.15	9,331.0	-267.9	-721.7	0.17	-0.14	4.07	13.9	22.1
9,563.0	2.15	298.98	9,519.0	-267.3	-726.6	0.99	0.46	31.82	21.5	0.9
9,751.0	2.93	286.57	9,706.8	-264.2	-734.3	0.51	0.41	-6.60	12.6	4.8
9,938.0	0.54	190.85	9,893.7	-263.7	-739.0	1.62	-1.28	-51.19	-6.4	7.3
10,126.0	2.66	120.90	10,081.6	-266.8	-735.5	1.34	1.13	-37.21	-13.7	-4.4
10,314.0	0.85	31.11	10,268.6	-267.8	-731.0	1.48	-0.96	-47.76	2.9	-18.1
10,501.0	1.04	28.08	10,456.5	-265.2	-728.5	0.11	0.10	-1.62	0.8	-18.0
10,689.0	1.64	45.69	10,644.5	-261.8	-726.8	0.38	0.32	9.37	-9.0	-16.9
10,877.0	1.98	31.73	10,832.4	-257.1	-723.1	0.29	0.18	-7.43	-10.5	-18.2
11,065.0	1.90	32.06	11,020.3	-251.7	-719.8	0.04	-0.04	0.18	-17.0	-19.1
11,159.0	0.90	350.99	11,114.2	-249.7	-719.1	1.44	-1.06	-43.69	-2.2	-26.6
11,346.0	0.38	8.77	11,301.2	-247.6	-719.2	0.29	-0.28	9.51	-12.2	-24.2
11,440.0	0.64	322.34	11,395.2	-246.9	-719.5	0.50	0.28	-49.39	8.4	-25.8
11,627.0	0.90	13.11	11,582.2	-244.6	-719.8	0.37	0.14	27.15	-16.8	-22.0
11,756.0	0.26	344.65	11,711.2	-243.4	-719.6	0.53	-0.50	-22.06	-5.5	-27.8
11,844.0	0.79	49.87	11,799.2	-242.8	-719.2	0.82	0.60	74.11	-28.2	-6.5
11,970.0	3.26	35.65	11,925.1	-239.3	-716.4	1.99	1.96	-11.28	-30.2	-13.5
KOP 11970.0' MD; 11925.1' TVD; -239.3'; -716.4'; 3.26										
11,984.0	3.54	35.30	11,939.1	-238.6	-716.0	1.99	1.98	-2.49	-30.9	-13.7
12,030.0	8.75	12.29	11,984.8	-234.0	-714.4	12.31	11.33	-50.02	-26.8	-25.5
12,077.0	15.53	10.96	12,030.7	-224.4	-712.4	14.44	14.43	-2.83	-30.6	-27.5
12,124.0	21.68	10.61	12,075.2	-209.6	-709.6	13.09	13.09	-0.74	-35.2	-28.9
12,133.7	22.94	8.74	12,084.2	-206.0	-709.0	14.87	12.96	-19.20	-35.2	-31.5
FTP Crossing 12133.7' MD; 12084.2' TVD; -206.0'; -709.0'; 22.94										
12,171.0	27.93	3.10	12,117.9	-190.1	-707.4	14.87	13.39	-15.14	-36.0	-36.2
12,217.0	32.95	357.34	12,157.6	-166.8	-707.4	12.61	10.91	-12.52	-37.2	-39.6



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12,264.0	37.06	356.42	12,196.0	-139.9	-708.9	8.82	8.74	-1.96	-40.3	-38.8	
12,311.0	42.05	355.25	12,232.3	-110.1	-711.1	10.73	10.62	-2.49	-42.1	-37.4	
12,358.0	47.65	353.66	12,265.6	-77.1	-714.3	12.15	11.91	-3.38	-43.1	-35.1	
12,404.0	48.75	354.13	12,296.2	-43.0	-718.0	2.51	2.39	1.02	-42.7	-31.2	
12,451.0	50.26	355.04	12,326.8	-7.4	-721.4	3.53	3.21	1.94	-38.2	-27.4	
12,498.0	56.10	353.72	12,354.9	30.0	-725.1	12.63	12.43	-2.81	-31.5	-23.8	
12,545.0	64.56	354.53	12,378.2	70.6	-729.2	18.06	18.00	1.72	-26.1	-19.1	
12,591.0	69.96	356.73	12,395.9	112.9	-732.4	12.54	11.74	4.78	-21.6	-15.7	
12,638.0	72.98	0.25	12,410.9	157.4	-733.6	9.58	6.43	7.49	-15.6	-14.6	
12,684.0	75.26	1.34	12,423.5	201.7	-733.0	5.46	4.96	2.37	-7.1	-15.5	
12,779.0	88.93	3.25	12,436.5	295.4	-729.2	14.53	14.39	2.01	5.5	-20.0	
12,872.0	92.10	358.72	12,435.7	388.4	-727.6	5.94	3.41	-4.87	4.6	-22.3	
12,967.0	92.27	358.53	12,432.0	483.3	-729.9	0.27	0.18	-0.20	0.9	-20.7	
13,061.0	92.02	357.50	12,428.5	577.2	-733.1	1.13	-0.27	-1.10	-2.6	-18.2	
13,154.0	90.03	358.25	12,426.9	670.1	-736.6	2.29	-2.14	0.81	-4.3	-15.5	
13,248.0	89.16	0.04	12,427.5	764.1	-738.0	2.12	-0.93	1.90	-3.7	-14.8	
13,357.0	88.66	2.33	12,429.6	873.0	-735.7	2.15	-0.46	2.10	-1.7	-17.8	
13,435.0	88.63	1.95	12,431.4	950.9	-732.8	0.49	-0.04	-0.49	0.1	-21.3	
13,529.0	88.71	359.80	12,433.6	1,044.9	-731.4	2.29	0.09	-2.29	2.3	-23.5	
13,623.0	89.10	358.98	12,435.4	1,138.9	-732.4	0.97	0.41	-0.87	4.1	-23.2	
13,716.0	88.57	358.59	12,437.3	1,231.8	-734.3	0.71	-0.57	-0.42	5.9	-21.9	
13,810.0	87.79	356.92	12,440.3	1,325.7	-738.0	1.96	-0.83	-1.78	8.9	-19.0	
13,903.0	88.15	357.19	12,443.6	1,418.5	-742.8	0.48	0.39	0.29	12.1	-14.9	
13,997.0	88.21	357.40	12,446.6	1,512.4	-747.2	0.23	0.06	0.22	15.0	-11.2	
14,090.0	88.77	357.92	12,449.0	1,605.3	-751.0	0.82	0.60	0.56	17.5	-8.1	
14,183.0	90.14	359.00	12,449.9	1,698.2	-753.5	1.88	1.47	1.16	18.3	-6.3	
14,277.0	90.81	359.08	12,449.1	1,792.2	-755.1	0.72	0.71	0.09	17.5	-5.4	



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14,370.0	91.34	358.96	12,447.4	1,885.2	-756.7	0.58	0.57	-0.13	15.7	-4.5
14,463.0	90.22	359.66	12,446.1	1,978.2	-757.8	1.42	-1.20	0.75	14.4	-4.1
14,556.0	90.53	0.39	12,445.5	2,071.2	-757.8	0.85	0.33	0.78	13.7	-4.9
14,650.0	90.11	0.66	12,445.0	2,165.2	-756.9	0.53	-0.45	0.29	13.2	-6.5
14,744.0	88.88	0.60	12,445.8	2,259.1	-755.9	1.31	-1.31	-0.06	13.9	-8.2
14,837.0	87.90	0.54	12,448.4	2,352.1	-755.0	1.06	-1.05	-0.06	16.5	-9.8
14,931.0	88.80	0.66	12,451.1	2,446.1	-754.0	0.97	0.96	0.13	19.2	-11.5
15,024.0	90.22	1.13	12,451.9	2,539.0	-752.5	1.61	1.53	0.51	19.9	-13.7
15,117.0	91.60	1.83	12,450.5	2,632.0	-750.1	1.66	1.48	0.75	18.3	-16.8
15,210.0	90.48	1.20	12,448.8	2,724.9	-747.7	1.38	-1.20	-0.68	16.4	-20.0
15,304.0	89.36	358.65	12,448.9	2,818.9	-747.8	2.96	-1.19	-2.71	16.3	-20.5
15,398.0	90.62	359.34	12,448.9	2,912.9	-749.4	1.53	1.34	0.73	16.1	-19.6
15,491.0	90.06	358.71	12,448.4	3,005.9	-751.0	0.91	-0.60	-0.68	15.4	-18.7
15,585.0	88.46	358.34	12,449.6	3,099.9	-753.4	1.75	-1.70	-0.39	16.4	-17.0
15,679.0	89.24	358.53	12,451.5	3,193.8	-756.0	0.85	0.83	0.20	18.0	-15.2
15,774.0	89.75	358.61	12,452.3	3,288.8	-758.4	0.54	0.54	0.08	18.7	-13.5
15,868.0	90.50	358.52	12,452.1	3,382.7	-760.7	0.80	0.80	-0.10	18.2	-11.9
15,961.0	90.00	358.99	12,451.7	3,475.7	-762.7	0.74	-0.54	0.51	17.6	-10.6
16,055.0	90.84	359.26	12,451.0	3,569.7	-764.2	0.94	0.89	0.29	16.7	-9.8
16,149.0	89.64	0.77	12,450.6	3,663.7	-764.2	2.05	-1.28	1.61	16.1	-10.6
16,242.0	89.50	1.57	12,451.3	3,756.7	-762.3	0.87	-0.15	0.86	16.6	-13.2
16,336.0	90.53	2.32	12,451.3	3,850.6	-759.1	1.36	1.10	0.80	16.4	-17.1
16,430.0	90.00	359.75	12,450.8	3,944.6	-757.4	2.79	-0.56	-2.73	15.7	-19.5
16,524.0	91.40	358.90	12,449.7	4,038.6	-758.5	1.74	1.49	-0.90	14.3	-19.1
16,617.0	90.76	358.91	12,447.9	4,131.5	-760.3	0.69	-0.69	0.01	12.4	-18.0
16,711.0	88.94	357.81	12,448.2	4,225.5	-762.9	2.26	-1.94	-1.17	12.4	-16.0
16,805.0	89.13	358.49	12,449.8	4,319.4	-766.0	0.75	0.20	0.72	13.8	-13.7



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #714H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3348.0usft
Site:	Barlow 34 Fed Com	MD Reference:	KB = 25' @ 3348.0usft
Well:	#714H	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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
16,899.0	87.67	359.05	12,452.4	4,413.4	-768.0	1.66	-1.55	0.60	16.2	-12.4
16,993.0	88.35	359.02	12,455.7	4,507.3	-769.6	0.72	0.72	-0.03	19.2	-11.6
17,086.0	90.56	0.35	12,456.5	4,600.3	-770.1	2.77	2.38	1.43	19.9	-11.8
17,149.0	91.32	1.04	12,455.5	4,663.3	-769.3	1.63	1.21	1.09	18.7	-13.0
Last MWD Survey (MD = 17149.0)										
17,229.0	91.32	1.04	12,453.7	4,743.2	-767.9	0.00	0.00	0.00	16.7	-15.1
Projection to Bit (MD = 17229.0)										

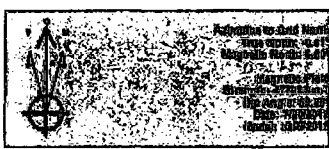
Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
11,970.0	11,925.1	-239.3	-716.4	KOP 11970.0' MD; 11925.1' TVD; -239.3'; -716.4'; 3.26
12,133.7	12,084.2	-206.0	-709.0	FTP Crossing 12133.7' MD; 12084.2' TVD; -206.0'; -709.0'; 22.94
17,149.0	12,455.5	4,663.3	-769.3	Last MWD Survey (MD = 17149.0)
17,229.0	12,453.7	4,743.2	-767.9	Projection to Bit (MD = 17229.0)

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)
Barlow 34 Fed Com #714H
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



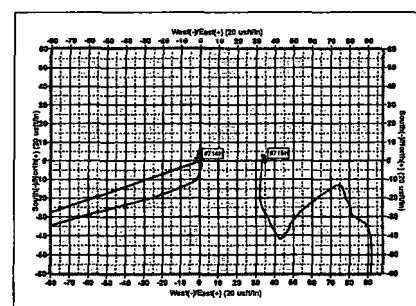
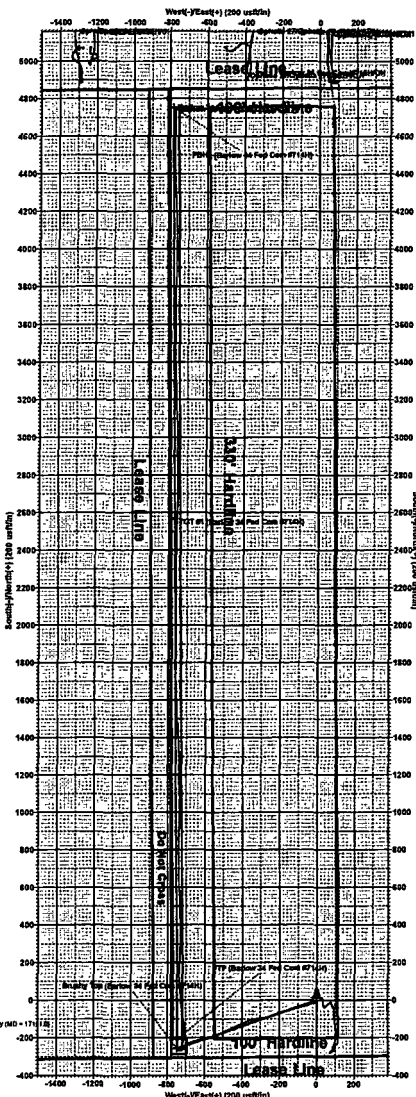
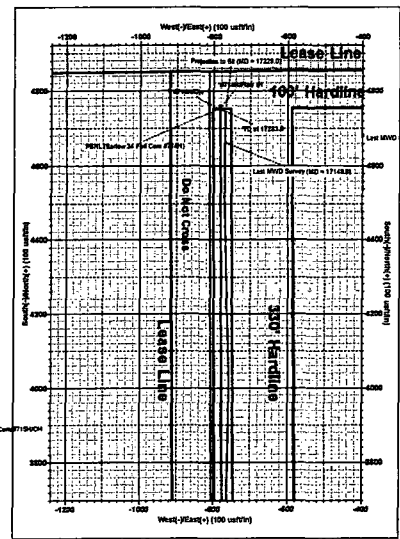
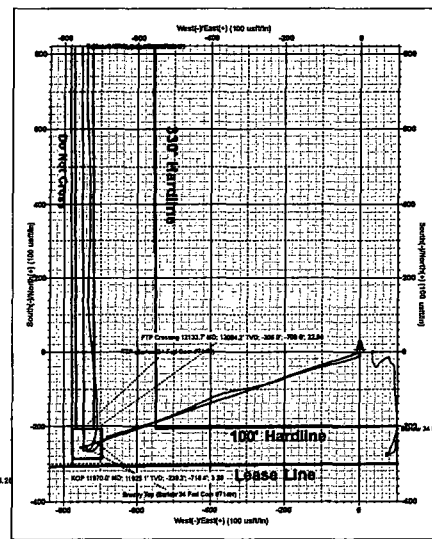
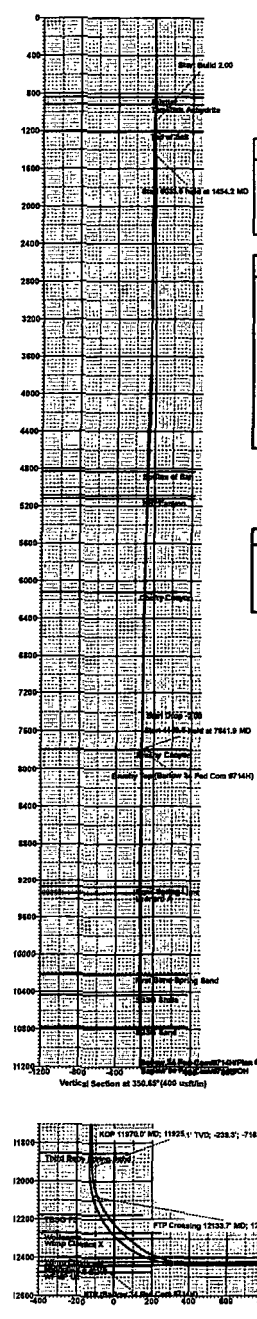
To convert a Magnetic Direction to a Grid Direction, Add 8.51°
To convert a Magnetic Direction to a True Direction, Add 5.92° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #714H									
				3323.0					
+N/-S	+E/-W	Northing	KB = 25° @ 3348.0m	Latitude					
0.0	0.0	365007.00	783215.00	32° 0' 3.906 N	103° 33' 10.5 97 W	Spot			

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0
3	1454.2	7.08	251.04	1453.3	-7.1	-20.7	2.00	251.04	-3.6
4	7467.7	7.08	251.04	7440.7	-248.9	-724.3	0.00	0.00	-127.8
5	7841.9	0.00	0.00	7794.0	-258.0	-745.0	2.00	180.00	-131.5
6	12001.4	0.00	0.00	11953.5	-258.0	-745.0	0.00	0.00	-131.5
7	12751.1	89.97	359.57	12431.0	221.2	-748.6	12.00	359.57	340.0
8	15099.6	89.97	359.57	12432.0	2569.6	-766.4	0.00	0.00	2660.0
9	15104.9	89.97	359.57	12432.0	2574.9	-766.5	2.00	180.00	2665.2
10	17283.0	89.97	359.57	12437.0	4753.0	-783.0	0.00	0.00	4817.1

TGT #1 (Barlow 34 Fed Com #714H)
PBHL (Barlow 34 Fed Com #714H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)									
Name		TVD	+N/-S	+E/-W	Northing	Eastng	Shape		
Brushy Top (Barlow 34 Fed Com #714H)		7784.0	-296.0	-745.0	364751.00	782470.00	Polygon		
FTP (Barlow 34 Fed Com #714H)		12431.0	-208.0	-746.0	364291.00	782468.00	Point		
TGT #1 (Barlow 34 Fed Com #714H)		12432.0	2569.6	-766.4	367876.00	782468.00	Point		
PBHL (Barlow 34 Fed Com #714H)		12437.0	4753.0	-783.0	365760.00	782432.00	Rectangle (Sides: L&O W&S:0)		



Lea County, NM (NAD 83 NME)
Plan #1
11/15/2015

Bureau of Land Management
WATER PRODUCTION & DISPOSAL INFORMATION

LEASE: BARLOW 34 FEDERAL

Lease no NMNM 02965A

SECTION 34, T26S, R33E

Wells: Barlow 34 Federal Com #711H 30-025-44390

Barlow 34 Federal Com #714H 30-025-44393

Barlow 34 Federal Com #715H 30-025-44394

HOBBS OCD

OCT 31 2018

RECEIVED

1. Name of formation producing water on lease: **WOLFCAMP**
2. Amount of water produced from all formations in barrels per day **3000-5000 BWPD**
3. How water is stored on lease **4 - 400 BBL Tanks**
4. How water is moved to disposal facility **Pipeline/Trucked**
5. Disposal Facility:
EOG Red Hills Gathering System - 97% of water, 3% water

a. Name of Operator/facility well name & number

MESQUITE SWD, INC

OWL SWD OPERATING, LLC

Cotton Draw SWD #66

Maralo Sholes B #2

30-025-22024

30-025-09806

E-10-25S-32E

P-25-25S-36E

Permit No SWD 1306-0

Permit No SWD 1127-0

DACO OPERATING, LLC

Challenger Fortress

42-301-32997

Loving County, Texas

UIC NO 114148

Type of facility or wells **SWD**