



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-43422

NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 03 2016

RECEIVED

February 8, 2016

Burnett Oil Co., Inc.
801 Cherry Street, Unit 9
Fort Worth, TX 76102-6881

RE: Nosler 12 Fed DB 4H
600' FNL & 200' FEL
Sec. 11, T17S, R31E
Eddy County, New Mexico

Dear Sir,

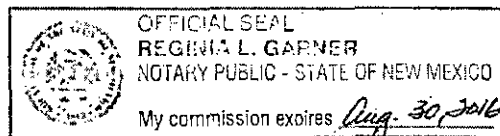
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 8th day of February, 2016.

Notary Public

Nosler 12 Fed DB 4H

Date: Depth Deviation Direction TVD

1/19/2016	131	0.30	0.00	0.00
1/19/2016	285	0.20	0.00	0.00
1/19/2016	471	0.60	96.00	0.00
1/19/2016	655	1.00	67.00	0.00
1/19/2016	789	0.60	311.00	0.00
1/21/2016	868	0.70	327.80	867.00
1/21/2016	963	1.10	341.20	962.00
1/21/2016	1058	0.90	344.80	1057.00
1/21/2016	1152	0.80	345.10	1151.90
1/21/2016	1247	1.00	342.90	1246.00
1/22/2016	1341	1.00	348.10	1340.90
1/22/2016	1434	1.10	343.20	1433.89
1/22/2016	1528	1.10	340.00	1527.00
1/22/2016	1623	1.00	348.50	1622.00
1/22/2016	1718	1.20	1.20	1717.00
1/22/2016	1813	1.50	4.80	0.00
1/23/2016	2058	1.30	8.70	2057.74
1/23/2016	2152	1.19	7.75	2151.72
1/23/2016	2244	1.14	12.62	0.00
1/23/2016	2337	1.10	4.92	2336.68
1/23/2016	2429	0.68	200.95	2428.68
1/24/2016	2615	0.94	186.12	2614.65
1/24/2016	2707	0.77	186.68	2706.64
1/24/2016	2800	0.81	198.09	2799.63
1/24/2016	2893	64.00	202.63	2892.62
1/24/2016	2968	0.62	219.16	2985.62
1/24/2016	3078	0.62	226.77	3077.61
1/24/2016	3171	0.66	219.04	3170.61
1/24/2016	3264	0.66	223.67	3263.60
1/24/2016	3358	0.68	222.33	3263.00
1/24/2016	3451	0.70	226.40	3430.00
1/24/2016	3543	0.93	215.00	3542.00
1/24/2016	3635	0.90	191.13	3634.00
1/24/2016	3729	1.01	186.05	3728.00
1/24/2016	3822	1.11	180.10	0.00
1/25/2016	3906	1.19	186.64	3914.52
1/25/2016	4008	0.99	183.43	4007.51
1/25/2016	4101	0.90	190.65	4100.49
1/25/2016	4193	0.99	194.67	4192.48
1/25/2016	4286	0.75	187.37	4285.47
1/25/2016	4378	0.97	134.89	4377.00
1/25/2016	4471	1.01	129.71	4470.00
1/25/2016	4562	1.05	126.45	4561.00

Date:	Depth	Deviation	Direction	TVD
1/25/2016	4654	0.94	125.90	4653.00
1/25/2016	4778	0.92	117.02	4777.00
1/25/2016	4840	1.38	123.90	4839.39
1/25/2016	4870	3.44	137.54	4869.36
1/25/2016	4901	5.71	146.61	4900.26
1/25/2016	4932	8.26	149.50	4931.03
1/26/2016	4963	10.24	148.69	4961.63
1/26/2016	5024	17.45	150.98	5020.00
1/26/2016	5055	23.13	150.08	5050.00
1/26/2016	5085	26.70	150.70	5077.31
1/27/2016	5116	31.10	154.07	5104.45
1/27/2016	5147	34.79	153.93	5130.46
1/27/2016	5177	37.42	151.39	5154.69
1/27/2016	5208	40.32	148.11	5178.93
1/28/2016	5273	45.95	135.13	5226.00
1/28/2016	5305	49.69	130.65	5247.00
1/28/2016	5335	53.27	127.82	5266.00
1/28/2016	5366	57.16	124.78	5283.00
1/28/2016	5396	59.90	122.26	5299.00
1/28/2016	5427	62.21	121.12	5314.00
1/28/2016	5458	64.39	119.31	5328.00
1/28/2016	5489	66.40	112.49	5341.00
1/28/2016	5520	68.37	115.84	5353.00
1/28/2016	5552	64.53	114.49	5365.00
1/28/2016	5582	70.58	113.30	5375.00
1/28/2016	5613	71.49	111.88	5385.00
1/28/2016	5644	72.15	109.60	5395.00
1/28/2016	5674	73.30	106.60	5404.00
1/29/2016	5705	74.47	103.18	5412.61
1/29/2016	5736	75.91	100.94	5420.64
1/29/2016	5767	76.01	98.90	5428.27
1/29/2016	5798	77.00	99.05	5433.50
1/29/2016	5828	78.79	99.94	5441.80
1/29/2016	5859	80.52	100.07	5447.51
1/29/2016	5890	82.19	100.18	5452.00
1/29/2016	5921	83.46	99.78	5455.00
1/29/2016	5952	84.56	99.16	5459.00
1/30/2016	6008	87.20	85.20	5462.00
1/30/2016	6039	89.10	82.10	5463.00
1/30/2016	6070	90.30	83.00	5463.00
1/30/2016	6101	89.40	84.60	0.00
1/30/2016	6163	87.20	87.00	5465.00
1/30/2016	6256	89.70	89.40	5467.00
1/30/2016	6349	91.50	89.90	5466.00
1/30/2016	6441	92.10	89.90	5464.00

Date:	Depth	Deviation	Direction	TVD
1/30/2016	6534	90.60	90.30	5461.00
1/30/2016	6627	91.10	90.30	5460.00
1/30/2016	6719	90.00	90.50	5459.00
1/30/2016	6812	89.20	91.30	5460.00
1/30/2016	6905	89.60	91.60	5461.00
1/30/2016	6998	89.90	91.30	5461.00
1/31/2016	7091	90.00	90.40	5461.67
1/31/2016	7184	90.00	90.10	5461.67
1/31/2016	7276	90.00	90.40	5461.67
1/31/2016	7369	89.60	91.00	5462.00
1/31/2016	7462	91.50	91.20	5461.11
1/31/2016	7555	91.10	91.10	5459.00
1/31/2016	7647	92.30	90.80	5456.00
1/31/2016	7740	92.30	90.50	5452.00
1/31/2016	7833	92.80	90.80	5448.00
1/31/2016	7926	90.70	89.40	5445.00
1/31/2016	8019	89.10	88.60	5445.00
1/31/2016	8112	89.50	88.50	5446.00
1/31/2016	8204	88.80	89.60	5448.00
1/31/2016	8297	90.00	90.10	5449.00
2/1/2016	8390	90.50	90.50	5448.78
2/1/2016	8482	90.90	90.60	5447.66
2/1/2016	8575	91.50	90.40	5445.72
2/1/2016	8667	91.00	90.80	5443.71
2/1/2016	8760	90.50	91.10	5442.00
2/1/2016	8853	90.90	91.00	5441.00
2/1/2016	8945	91.20	90.90	5439.00



Job Number: NM16006MK
Company: Burnett Oil Company, INC
Lease/Well: Nosler 12 Ged DB #4H
Location: Maljamar
Rig Name: Silver Oak 11
State/County: New Mexico/ Eddy
Country: USA
API Number: 30-015-43422

Elevation GL: 3980.00 ft **RKB:** 0.00 ft
Projection System: US State Plane 1983
Projection Group: New Mexico Eastern Zone
Projection Datum: GRS80
Mag. Declination: 7.18° (C:\HawkEye\IGRF2005.MIF)
Grid Convergence: 0.27206 E
Date: Monday, February 01, 2016

Calculated by HawkEye Software
 Minimum Curvature Method
 Vertical Section Plane 95.14°
 Northing (US ft): 675024.52 Easting (US ft): 695328.91
 Latitude: 32°51'16.7790" N Longitude: -103°49'54.7070" W
 Well Location: 639.36 FNL, 31.10 FEL, Section 11, T17S, R31E, New Mexico Principal Meridian, Eddy County, NM
 Direction Reference: Grid North

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS %/100 Ft	LR/EW From-Plan (Ft)	UD/NS From-Plan (Ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	
131.00	0.30	203.00	131.00	-0.32	-0.13	-0.11	0.23	-	-	
285.00	0.20	159.00	285.00	-0.94	-0.20	-0.11	0.14	-	-	
471.00	0.60	96.00	470.99	-1.34	0.89	1.01	0.29	-	-	
655.00	1.00	67.00	654.98	-0.82	3.33	3.39	0.30	-	-	
789.00	0.60	311.00	788.97	0.10	3.87	3.85	1.02	-	-	- Tie In f/Teledrift Surveys
868.00	0.70	327.80	867.96	0.78	3.30	3.22	0.27	-	-	- The Following are IDS Surveys
963.00	1.10	341.20	962.95	2.14	2.70	2.50	0.47	-	-	
1058.00	0.90	344.80	1057.94	3.72	2.21	1.87	0.22	-	-	
1152.00	0.80	345.10	1151.93	5.07	1.85	1.39	0.11	-	-	
1247.00	1.00	342.90	1246.92	6.50	1.43	0.85	0.21	-	-	
1341.00	1.00	348.10	1340.90	8.08	1.02	0.30	0.10	-	-	
1434.00	1.10	343.20	1433.89	9.73	0.60	-0.28	0.14	-	-	
1528.00	1.10	340.00	1527.87	11.45	0.03	-1.00	0.07	-	-	
1623.00	1.10	348.50	1622.85	13.20	-0.46	-1.64	0.17	-	-	
1718.00	1.20	1.20	1717.83	15.08	-0.63	-1.97	0.29	-	-	
1813.00	1.50	4.80	1812.81	17.32	-0.50	-2.05	0.33	-	-	
1968.00	1.20	8.90	1967.76	20.94	-0.08	-1.96	0.20	-	-	- Final 12.25" Survey
2058.00	1.30	8.70	2057.74	22.88	0.22	-1.83	0.11	-	-	
2152.00	1.19	7.75	2151.72	24.90	0.51	-1.72	0.12	-	-	
2244.00	1.14	12.62	2243.70	26.74	0.84	-1.56	0.12	-	-	
2337.00	1.10	4.92	2336.68	28.54	1.12	-1.44	0.17	-	-	
2429.00	0.68	200.95	2428.68	28.91	1.00	-1.59	1.92	-	-	
2522.00	1.12	196.76	2521.67	27.52	0.54	-1.93	0.48	-	-	
2615.00	0.94	186.12	2614.65	25.89	0.20	-2.12	0.28	-	-	
2707.00	0.77	186.68	2706.64	24.53	0.05	-2.15	0.19	-	-	
2800.00	0.81	198.09	2799.63	23.28	-0.23	-2.32	0.17	-	-	
2893.00	0.64	202.63	2892.62	22.18	-0.63	-2.62	0.19	-	-	
2986.00	0.62	219.16	2985.62	21.31	-1.15	-3.06	0.20	-	-	
3078.00	0.62	226.77	3077.61	20.58	-1.83	-3.67	0.09	-	-	
3171.00	0.66	219.04	3170.61	19.82	-2.53	-4.30	0.10	-	-	
3264.00	0.66	223.67	3263.60	19.02	-3.24	-4.93	0.06	-	-	
3358.00	0.68	222.33	3357.59	18.21	-3.99	-5.61	0.03	-	-	
3451.00	0.70	226.44	3450.59	17.41	-4.77	-6.31	0.06	-	-	
3543.00	0.73	215.04	3542.58	16.55	-5.52	-6.98	0.16	-	-	
3635.00	0.90	191.13	3634.57	15.36	-5.99	-7.34	0.41	-	-	
3729.00	1.01	186.05	3728.56	13.81	-6.22	-7.43	0.15	-	-	
3822.00	1.11	180.10	3821.54	12.09	-6.31	-7.37	0.16	-	-	
3906.00	1.19	186.64	3905.53	10.41	-6.41	-7.32	0.18	-	-	
4008.00	0.99	183.43	4007.51	8.48	-6.59	-7.32	0.20	-	-	
4101.00	0.90	190.65	4100.49	6.96	-6.77	-7.37	0.16	-	-	
4193.00	0.99	194.67	4192.48	5.48	-7.11	-7.57	0.12	-	-	
4286.00	0.75	187.37	4285.47	4.10	-7.39	-7.73	0.28	-	-	

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS %100 Ft	LR/EW From-Plan (Ft)	UD/NS From-Plan (Ft)	Comment
4378.00	0.97	134.89	4377.46	2.96	-6.91	-7.15	0.85	-	-	
4471.00	1.01	129.71	4470.45	1.88	-5.72	-5.87	0.11	-	-	
4562.00	1.05	126.45	4561.43	0.87	-4.44	-4.50	0.08	-	-	
4654.00	0.94	125.90	4653.42	-0.08	-3.15	-3.13	0.12	-	-	
4747.00	0.97	130.00	4746.41	-1.03	-1.93	-1.83	0.08	-	-	
4778.00	0.92	117.02	4777.40	-1.31	-1.50	-1.38	0.71	-	-	
4809.00	0.84	120.32	4808.40	-1.54	-1.09	-0.94	0.31	-	-	
4840.00	1.38	123.90	4839.39	-1.86	-0.58	-0.41	1.76	-	-	
4870.00	3.49	137.54	4869.36	-2.74	0.34	0.58	7.24	-	-	
4901.00	5.71	146.61	4900.26	-4.72	1.82	2.24	7.51	-	-	
4932.00	8.26	149.50	4931.03	-7.93	3.80	4.50	8.30	-	-	
4963.00	10.24	148.70	4961.63	-12.20	6.36	7.43	6.40	-	-	
4993.00	13.58	150.10	4990.98	-17.53	9.51	11.04	11.17	-	-	
5024.00	17.45	150.98	5020.84	-24.76	13.58	15.74	12.51	-	-	
5055.00	22.13	150.08	5050.00	-33.89	18.75	21.71	15.13	-	-	
5085.00	26.70	150.74	5077.31	-44.67	24.86	28.76	15.26	-	-	
5116.00	31.10	154.07	5104.45	-57.95	31.77	36.83	15.11	-	-	
5147.00	34.79	153.93	5130.46	-73.10	39.16	45.55	11.91	-	-	
5177.00	37.42	151.39	5154.69	-88.80	47.29	55.05	10.09	-	-	
5208.00	40.32	148.11	5178.83	-105.59	57.10	66.33	11.47	-	-	
5239.00	43.47	141.90	5201.91	-122.50	68.99	79.68	16.79	-	-	
5274.00	45.95	135.13	5226.80	-140.91	85.30	97.58	15.33	-	-	
5306.00	49.69	130.65	5248.29	-157.01	102.68	116.34	15.62	-	-	
5336.00	53.27	127.82	5266.97	-171.84	120.86	135.77	14.03	-	-	
5367.00	57.16	124.78	5284.66	-186.90	141.39	157.56	14.91	-	-	
5398.00	59.90	122.26	5300.84	-201.49	163.43	180.82	11.23	-	-	- Last Pathfinder Survey
5421.00	62.00	120.30	5312.01	-211.92	180.61	198.87	11.78	-	-	- The Following Are IDS MW/D Survey:
5514.00	68.30	115.10	5351.09	-251.03	255.30	276.77	8.46	-	-	
5606.00	71.30	110.90	5382.87	-284.72	334.76	358.92	5.38	-	-	
5698.00	74.40	101.70	5410.05	-309.31	419.04	445.06	10.13	-	-	
5790.00	76.80	96.90	5432.94	-323.68	506.94	533.90	5.69	-	-	
5883.00	82.10	96.00	5449.96	-333.94	597.76	625.27	5.78	-	-	
5913.00	83.20	94.50	5453.80	-336.66	627.39	655.03	6.17	-	-	
5976.00	85.30	89.70	5460.11	-338.95	690.01	717.60	8.28	-	-	
5989.00	85.80	88.10	5461.12	-338.70	702.96	730.48	12.86	-	-	
6008.00	87.20	85.60	5462.28	-337.66	721.90	749.25	15.06	-	-	
6039.00	89.10	82.10	5463.28	-334.34	752.70	779.62	12.84	-	-	
6070.00	90.30	83.00	5463.45	-330.32	783.43	809.88	4.84	-	-	
6101.00	89.40	84.60	5463.53	-326.98	814.25	840.27	5.92	-	-	
6163.00	87.20	87.00	5465.37	-322.44	876.05	901.41	5.25	-	-	
6256.00	89.70	89.40	5467.88	-319.52	968.96	993.68	3.73	-3.04 (L)	-2.88 (D)	
6349.00	91.50	89.90	5466.91	-318.95	1061.94	1086.25	2.01	-4.26 (L)	-2.60 (D)	
6441.00	92.10	89.90	5464.02	-318.79	1153.90	1177.82	0.65	-5.06 (L)	-0.40 (D)	
6534.00	90.60	90.30	5461.83	-318.95	1246.87	1270.43	1.67	-5.55 (L)	1.09 (U)	
6627.00	91.10	90.30	5460.45	-319.44	1339.86	1363.09	0.54	-5.71 (L)	1.77 (U)	
6719.00	90.00	90.50	5459.56	-320.08	1431.85	1454.77	1.22	-5.71 (L)	1.97 (U)	
6812.00	89.20	91.30	5460.21	-321.54	1524.83	1547.51	1.22	-4.90 (L)	0.62 (U)	
6905.00	89.60	91.60	5461.19	-323.90	1617.80	1640.31	0.54	-3.20 (L)	-1.05 (D)	
6998.00	89.90	91.30	5461.59	-326.25	1710.77	1733.12	0.46	-1.49 (L)	-2.16 (D)	
7091.00	90.00	90.40	5461.67	-327.63	1803.76	1825.86	0.97	-0.76 (L)	-2.94 (D)	
7184.00	90.00	90.10	5461.67	-328.03	1896.76	1918.52	0.32	-1.01 (L)	-3.63 (D)	
7276.00	90.00	90.40	5461.67	-328.44	1988.76	2010.18	0.33	-1.25 (L)	-4.32 (D)	
7369.00	89.60	91.00	5462.00	-329.57	2081.75	2102.90	0.78	-0.76 (L)	-5.35 (D)	
7462.00	91.50	91.20	5461.11	-331.36	2174.72	2195.66	2.05	0.37 (R)	-5.15 (D)	
7555.00	91.10	91.10	5459.00	-333.22	2267.68	2288.41	0.44	1.59 (R)	-3.74 (D)	
7647.00	92.30	90.80	5456.27	-334.75	2359.62	2380.12	1.34	2.48 (R)	-1.70 (D)	

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS %/100 Ft	LR/EW From-Plan (Ft)	UD/NS From-Plan (Ft)	Comment
7740.00	92.30	90.50	5452.54	-335.80	2452.54	2472.76	0.32	2.88 (R)	1.33 (U)	
7833.00	92.80	90.80	5448.40	-336.86	2545.44	2565.39	0.63	3.29 (R)	4.78 (U)	
7926.00	90.70	89.40	5445.56	-337.02	2638.39	2657.98	2.71	2.80 (R)	6.92 (U)	
8019.00	89.10	88.60	5445.72	-335.39	2731.37	2750.44	1.92	0.53 (R)	6.06 (U)	
8112.00	89.50	88.50	5446.86	-333.04	2824.34	2842.82	0.44	-2.47 (L)	4.22 (U)	
8204.00	88.80	89.60	5448.22	-331.52	2916.31	2934.29	1.42	-4.64 (L)	2.17 (U)	
8297.00	90.00	90.10	5449.19	-331.27	3009.31	3026.88	1.40	-5.53 (L)	0.50 (U)	
8390.00	90.50	91.10	5448.79	-332.25	3102.30	3119.59	1.20	-5.21 (L)	0.20 (U)	
8482.00	90.90	90.60	5447.66	-333.61	3194.28	3211.32	0.70	-4.49 (L)	0.64 (U)	
8575.00	91.50	90.40	5445.72	-334.42	3287.26	3304.00	0.68	-4.32 (L)	1.89 (U)	
8667.00	91.00	90.80	5443.71	-335.39	3379.23	3395.69	0.70	-4.00 (L)	3.20 (U)	
8760.00	90.50	91.10	5442.49	-336.93	3472.21	3488.43	0.63	-3.11 (L)	3.72 (U)	
8853.00	90.90	91.00	5441.36	-338.63	3565.19	3581.19	0.44	-2.06 (L)	4.16 (U)	
8945.00	91.20	90.90	5439.67	-340.16	3657.16	3672.93	0.34	-1.17 (L)	5.16 (U)	
9026.00	90.50	90.40	5438.47	-341.08	3738.14	3753.67	1.06	-0.82 (L)	5.75 (U)	
9096.00	90.50	90.40	5437.86	-341.56	3808.14	3823.42	0.00	-0.82 (L)	5.84 (U)	SLPTB