

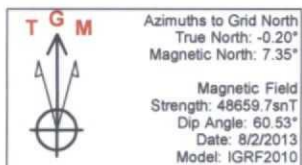


COMPANY: Mewbourne Oil Company
 WELL: URSA 27 Fed Com #4H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 110



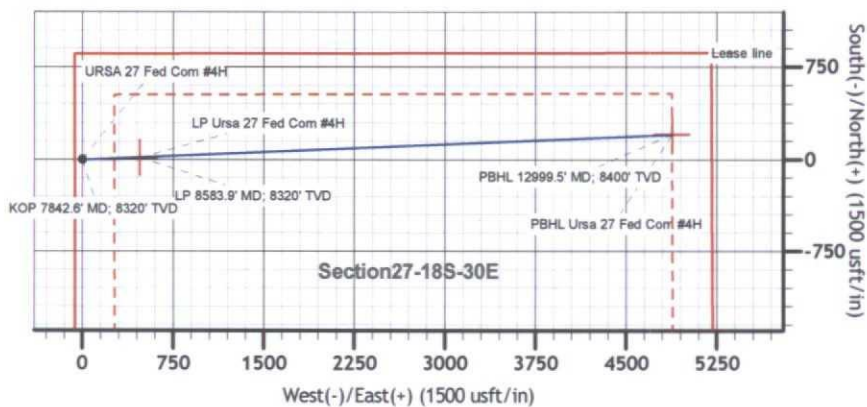
OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.35°

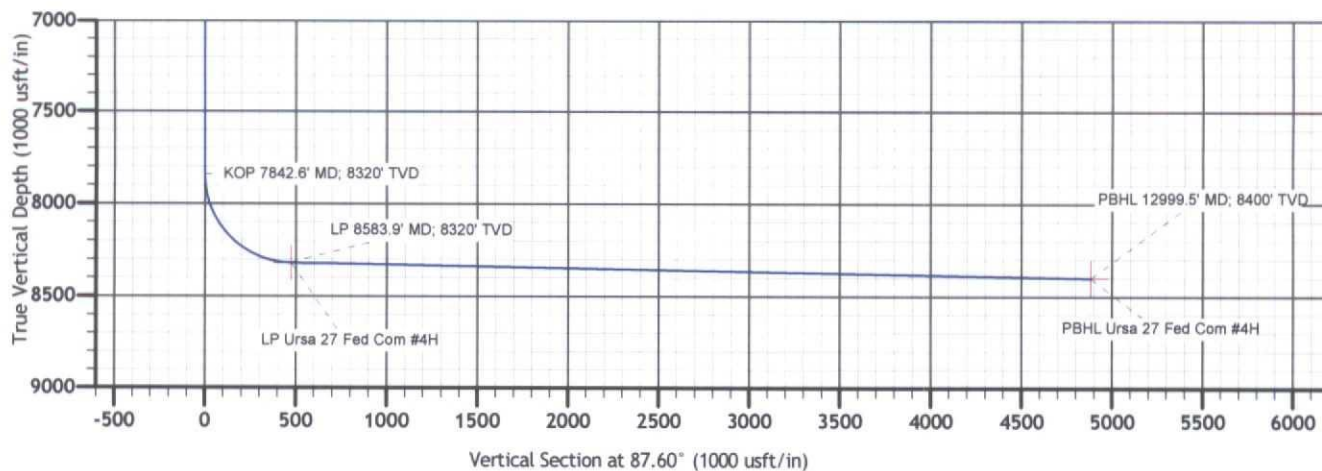


GEODETIC ZONE: New Mexico East 3001							Slot
GL 3400 + 20 @ 3460.0usft (Patterson 110)							
GROUND ELEVATION: 3440.0							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.0	0.0	627011.64	612460.98	32° 43' 23.584 N	103° 58' 3.545 W		

PLAN SECTIONS										
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	7842.6	0.00	0.00	7842.6	0.0	0.0	0.00	0.00	0.0	
3	8583.9	88.96	87.60	8320.0	19.6	468.4	12.00	87.60	468.8	
4	12999.5	88.96	87.60	8400.0	204.5	4879.3	0.00	0.00	4883.6	PBHL Ursa 27 Fed Com #4H



Oil Conservation Division
 Case No. 9
 Exhibit No. 9



URSA 27 FED COM 4H

Survey Calculation Program
Mewbourne Oil Company .
URSA 27 Fed Com #4H
27-18S-30E
Eddy County, New Mexico

MD (ft)	Incl.	Azim.	TVD (ft)	N-S (ft)	E-W (ft)	VS (ft)	DLS (°/100ft)
7850.00	0.89	87.60	7850.00	0.00	0.06	0.06	12.00
7875.00	3.89	87.60	7874.98	0.05	1.10	1.10	12.00
7900.00	6.89	87.60	7899.86	0.14	3.44	3.45	12.00
7925.00	9.89	87.60	7924.59	0.30	7.09	7.09	12.00
7950.00	12.89	87.60	7949.10	0.50	12.02	12.03	12.00
7975.00	15.89	87.60	7973.31	0.76	18.22	18.24	12.00
8000.00	18.89	87.60	7997.16	1.08	25.69	25.71	12.00
8025.00	21.89	87.60	8020.60	1.44	34.39	34.42	12.00
8050.00	24.89	87.60	8043.54	1.86	44.30	44.34	12.00
8075.00	27.89	87.60	8065.93	2.32	55.40	55.45	12.00
8100.00	30.89	87.60	8087.71	2.84	67.66	67.72	12.00
8125.00	33.89	87.60	8108.82	3.40	81.04	81.11	12.00
8150.00	36.89	87.60	8129.20	4.00	95.50	95.58	12.00
8175.00	39.89	87.60	8148.79	4.65	111.01	111.11	12.00
8200.00	42.89	87.60	8167.55	5.34	127.52	127.63	12.00
8225.00	45.89	87.60	8185.41	6.08	144.99	145.12	12.00
8250.00	48.89	87.60	8202.33	6.85	163.37	163.52	12.00
8275.00	51.89	87.60	8218.27	7.65	182.61	182.77	12.00
8300.00	54.89	87.60	8233.18	8.49	202.66	202.84	12.00
8325.00	57.89	87.60	8247.02	9.36	223.46	223.66	12.00
8350.00	60.89	87.60	8259.75	10.26	244.95	245.17	12.00
8375.00	63.89	87.60	8271.33	11.19	267.09	267.32	12.00
8400.00	66.89	87.60	8281.74	12.14	289.79	290.05	12.00
8425.00	69.89	87.60	8290.95	13.12	313.01	313.29	12.00

URSA 27 FED COM 4H

8450.00	72.89	87.60	8298.93	14.11	336.68	336.98	12.00
8475.00	75.89	87.60	8305.66	15.12	360.73	361.05	12.00
8500.00	78.89	87.60	8311.11	16.14	385.11	385.44	12.00
8525.00	81.89	87.60	8315.29	17.17	409.73	410.09	12.00
8550.00	84.89	87.60	8318.17	18.21	434.54	434.92	12.00
8575.00	87.89	87.60	8319.74	19.25	459.47	459.87	12.00
8583.95	88.96	87.60	8319.99	19.63	468.40	468.81	12.00
8600.00	88.96	87.60	8320.28	20.30	484.44	484.86	0.00
8700.00	88.96	87.60	8322.09	24.49	584.33	584.85	0.00
8800.00	88.96	87.60	8323.90	28.67	684.23	684.83	0.00
8900.00	88.96	87.60	8325.71	32.86	784.13	784.81	0.00
9000.00	88.96	87.60	8327.53	37.04	884.02	884.80	0.00
9100.00	88.96	87.60	8329.34	41.23	983.92	984.78	0.00
9200.00	88.96	87.60	8331.15	45.42	1083.81	1084.76	0.00
9300.00	88.96	87.60	8332.96	49.60	1183.71	1184.75	0.00
9400.00	88.96	87.60	8334.77	53.79	1283.60	1284.73	0.00
9500.00	88.96	87.60	8336.59	57.97	1383.50	1384.71	0.00
9600.00	88.96	87.60	8338.40	62.16	1483.40	1484.70	0.00
9700.00	88.96	87.60	8340.21	66.35	1583.29	1584.68	0.00
9800.00	88.96	87.60	8342.02	70.53	1683.19	1684.67	0.00
9900.00	88.96	87.60	8343.83	74.72	1783.08	1784.65	0.00
10000.00	88.96	87.60	8345.65	78.90	1882.98	1884.63	0.00
10100.00	88.96	87.60	8347.46	83.09	1982.88	1984.62	0.00
10200.00	88.96	87.60	8349.27	87.28	2082.77	2084.60	0.00
10300.00	88.96	87.60	8351.08	91.46	2182.67	2184.58	0.00
10400.00	88.96	87.60	8352.90	95.65	2282.56	2284.57	0.00
10500.00	88.96	87.60	8354.71	99.83	2382.46	2384.55	0.00
10600.00	88.96	87.60	8356.52	104.02	2482.36	2484.53	0.00
10700.00	88.96	87.60	8358.33	108.21	2582.25	2584.52	0.00
10800.00	88.96	87.60	8360.14	112.39	2682.15	2684.50	0.00
10900.00	88.96	87.60	8361.96	116.58	2782.04	2784.49	0.00
11000.00	88.96	87.60	8363.77	120.76	2881.94	2884.47	0.00
11100.00	88.96	87.60	8365.58	124.95	2981.84	2984.45	0.00
11200.00	88.96	87.60	8367.39	129.14	3081.73	3084.44	0.00

URSA 27 FED COM 4H

11300.00	88.96	87.60	8369.20	133.32	3181.63	3184.42	0.00
11400.00	88.96	87.60	8371.02	137.51	3281.52	3284.40	0.00
11500.00	88.96	87.60	8372.83	141.69	3381.42	3384.39	0.00
11600.00	88.96	87.60	8374.64	145.88	3481.31	3484.37	0.00
11700.00	88.96	87.60	8376.45	150.07	3581.21	3584.35	0.00
11800.00	88.96	87.60	8378.26	154.25	3681.11	3684.34	0.00
11900.00	88.96	87.60	8380.08	158.44	3781.00	3784.32	0.00
12000.00	88.96	87.60	8381.89	162.63	3880.90	3884.30	0.00
12100.00	88.96	87.60	8383.70	166.81	3980.79	3984.29	0.00
12200.00	88.96	87.60	8385.51	171.00	4080.69	4084.27	0.00
12300.00	88.96	87.60	8387.32	175.18	4180.59	4184.26	0.00
12400.00	88.96	87.60	8389.14	179.37	4280.48	4284.24	0.00
12500.00	88.96	87.60	8390.95	183.56	4380.38	4384.22	0.00
12600.00	88.96	87.60	8392.76	187.74	4480.27	4484.21	0.00
12700.00	88.96	87.60	8394.57	191.93	4580.17	4584.19	0.00
12800.00	88.96	87.60	8396.39	196.11	4680.07	4684.17	0.00
12900.00	88.96	87.60	8398.20	200.30	4779.96	4784.16	0.00
12999.47	88.96	87.60	8400.00	204.46	4879.32	4883.61	0.00