



COMPANY: Mewbourne Oil Company
WELL: Young 21 PM Federal Com #1H
COUNTY: Lea County N.M.
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson #110

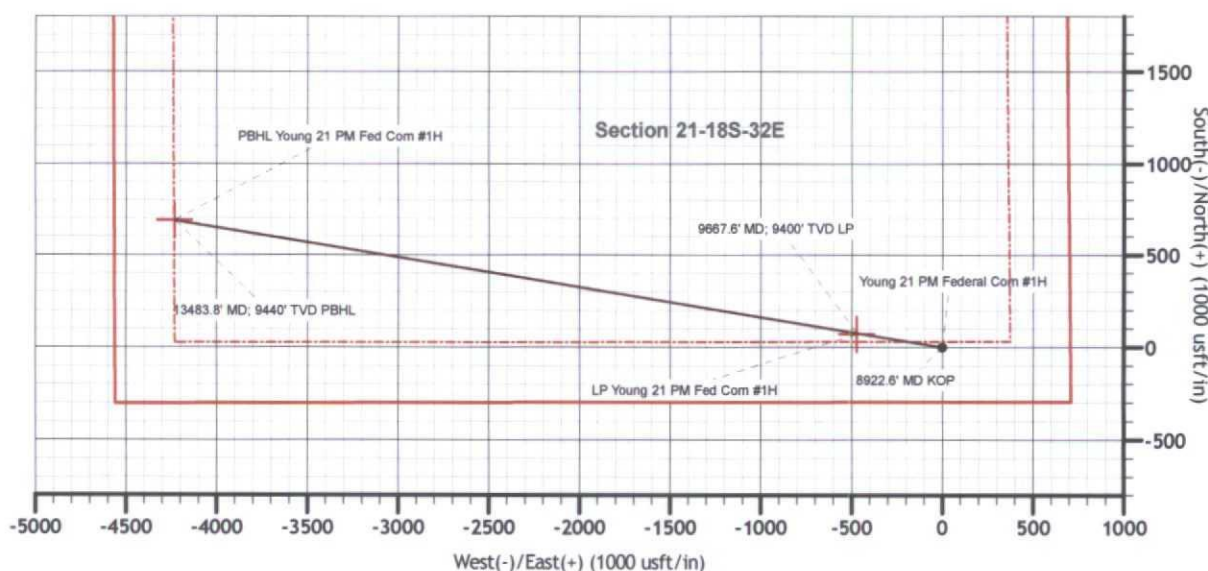


GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.12°

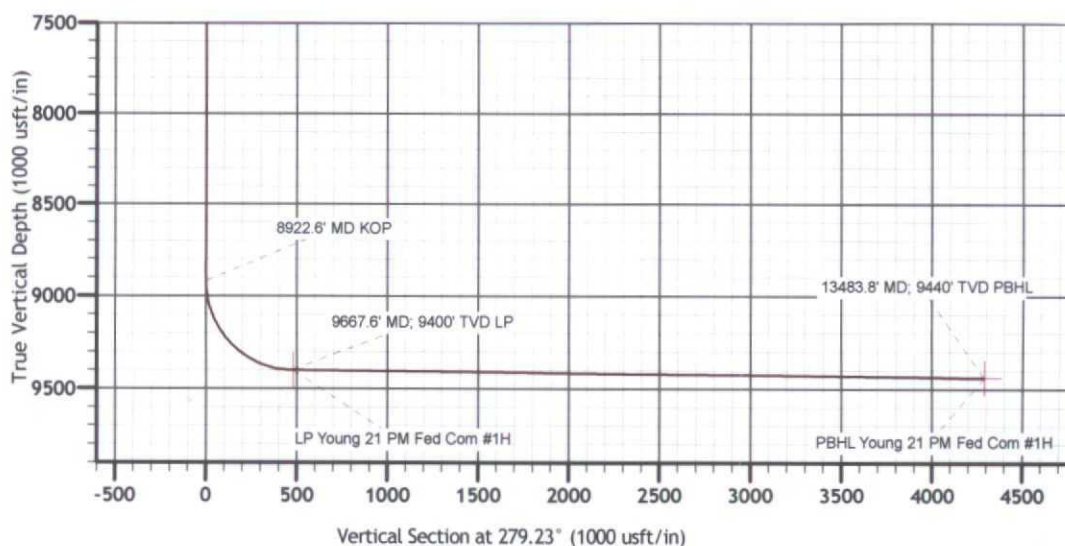
OFFICE: 936.582.7296

GEODETIC ZONE: New Mexico East 3001 GL3750 + 20 @ 3770.0usft (Patterson #110) GROUND ELEVATION: 3750.0										
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot				
0.0	0.0	628454.40	674913.20	32° 43' 35.137 N	103° 45' 52.422 W					

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	8922.6	0.00	0.00	8922.6	0.0	0.0	0.00	0.00	0.0	
3	9667.6	89.40	279.23	9400.0	75.7	-466.4	12.00	279.23	472.5	
4	13463.8	89.40	279.23	9440.0	687.5	-4232.9	0.00	0.00	4288.4	PBHL Young 21 PM Fed Com #1H



Oil Conservation Division
Case No. 8 15081
Exhibit No.



Survey Calculation Program

Mewbourne, Young 21 PM Federal Com #1H

Section 21-18S-32E

Lea County, New Mexico

MD (ft)	INCL	AZIM	TVD (ft)	N-S (ft)	E-W (ft)	VS (ft)	DLS (°/100ft)
8925.00	0.29	279.23	8925.00	0.00	-0.01	0.01	12.00
8950.00	3.29	279.23	8949.98	0.13	-0.78	0.79	12.00
8975.00	6.29	279.23	8974.89	0.46	-2.84	2.87	12.00
9000.00	9.29	279.23	8999.66	1.00	-6.18	6.26	12.00
9025.00	12.29	279.23	9024.22	1.75	-10.80	10.94	12.00
9050.00	15.29	279.23	9048.49	2.71	-16.68	16.90	12.00
9075.00	18.29	279.23	9072.43	3.87	-23.80	24.12	12.00
9100.00	21.29	279.23	9095.95	5.22	-32.16	32.58	12.00
9125.00	24.29	279.23	9118.99	6.78	-41.71	42.26	12.00
9150.00	27.29	279.23	9141.50	8.52	-52.45	53.14	12.00
9175.00	30.29	279.23	9163.41	10.45	-64.33	65.17	12.00
9200.00	33.29	279.23	9184.66	12.56	-77.33	78.34	12.00
9225.00	36.29	279.23	9205.18	14.85	-91.41	92.60	12.00
9250.00	39.29	279.23	9224.94	17.30	-106.52	107.92	12.00
9275.00	42.29	279.23	9243.87	19.92	-122.64	124.25	12.00
9300.00	45.29	279.23	9261.91	22.69	-139.72	141.55	12.00
9325.00	48.29	279.23	9279.03	25.61	-157.70	159.77	12.00
9350.00	51.29	279.23	9295.17	28.67	-176.54	178.86	12.00
9375.00	54.29	279.23	9310.28	31.87	-196.19	198.76	12.00
9400.00	57.29	279.23	9324.34	35.18	-216.60	219.43	12.00
9425.00	60.29	279.23	9337.29	38.61	-237.70	240.81	12.00
9450.00	63.29	279.23	9349.11	42.14	-259.44	262.84	12.00
9475.00	66.29	279.23	9359.76	45.77	-281.76	285.46	12.00
9500.00	69.29	279.23	9369.21	49.48	-304.61	308.60	12.00
9525.00	72.29	279.23	9377.43	53.26	-327.91	332.20	12.00
9550.00	75.29	279.23	9384.41	57.11	-351.60	356.21	12.00

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9575.00	78.29	279.23	9390.12	61.01	-375.62	380.54	12.00
9600.00	81.29	279.23	9394.56	64.95	-399.90	405.14	12.00
9625.00	84.29	279.23	9397.69	68.93	-424.38	429.94	12.00
9650.00	87.29	279.23	9399.53	72.93	-448.99	454.87	12.00
9667.60	89.40	279.23	9400.04	75.75	-466.35	472.47	12.00
9700.00	89.40	279.23	9400.38	80.94	-498.33	504.86	0.00
9800.00	89.40	279.23	9401.43	96.97	-597.03	604.86	0.00
9900.00	89.40	279.23	9402.47	113.00	-695.73	704.85	0.00
10000.00	89.40	279.23	9403.52	129.04	-794.44	804.85	0.00
10100.00	89.40	279.23	9404.57	145.07	-893.14	904.84	0.00
10200.00	89.40	279.23	9405.61	161.10	-991.84	1004.84	0.00
10300.00	89.40	279.23	9406.66	177.13	-1090.54	1104.83	0.00
10400.00	89.40	279.23	9407.71	193.16	-1189.24	1204.82	0.00
10500.00	89.40	279.23	9408.76	209.19	-1287.94	1304.82	0.00
10600.00	89.40	279.23	9409.80	225.22	-1386.64	1404.81	0.00
10700.00	89.40	279.23	9410.85	241.26	-1485.34	1504.81	0.00
10800.00	89.40	279.23	9411.90	257.29	-1584.04	1604.80	0.00
10900.00	89.40	279.23	9412.94	273.32	-1682.75	1704.80	0.00
11000.00	89.40	279.23	9413.99	289.35	-1781.45	1804.79	0.00
11100.00	89.40	279.23	9415.04	305.38	-1880.15	1904.79	0.00
11200.00	89.40	279.23	9416.09	321.41	-1978.85	2004.78	0.00
11300.00	89.40	279.23	9417.13	337.44	-2077.55	2104.78	0.00
11400.00	89.40	279.23	9418.18	353.48	-2176.25	2204.77	0.00
11500.00	89.40	279.23	9419.23	369.51	-2274.95	2304.76	0.00
11600.00	89.40	279.23	9420.27	385.54	-2373.65	2404.76	0.00
11700.00	89.40	279.23	9421.32	401.57	-2472.35	2504.75	0.00
11800.00	89.40	279.23	9422.37	417.60	-2571.05	2604.75	0.00
11900.00	89.40	279.23	9423.42	433.63	-2669.76	2704.74	0.00
12000.00	89.40	279.23	9424.46	449.66	-2768.46	2804.74	0.00
12100.00	89.40	279.23	9425.51	465.70	-2867.16	2904.73	0.00
12200.00	89.40	279.23	9426.56	481.73	-2965.86	3004.73	0.00
12300.00	89.40	279.23	9427.60	497.76	-3064.56	3104.72	0.00
12400.00	89.40	279.23	9428.65	513.79	-3163.26	3204.72	0.00
12500.00	89.40	279.23	9429.70	529.82	-3261.96	3304.71	0.00

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12600.00	89.40	279.23	9430.75	545.85	-3360.66	3404.70	0.00
12700.00	89.40	279.23	9431.79	561.88	-3459.36	3504.70	0.00
12800.00	89.40	279.23	9432.84	577.92	-3558.06	3604.69	0.00
12900.00	89.40	279.23	9433.89	593.95	-3656.77	3704.69	0.00
13000.00	89.40	279.23	9434.93	609.98	-3755.47	3804.68	0.00
13100.00	89.40	279.23	9435.98	626.01	-3854.17	3904.68	0.00
13200.00	89.40	279.23	9437.03	642.04	-3952.87	4004.67	0.00
13300.00	89.40	279.23	9438.08	658.07	-4051.57	4104.67	0.00
13400.00	89.40	279.23	9439.12	674.10	-4150.27	4204.66	0.00
13483.76	89.40	279.23	9440.00	687.53	-4232.94	4288.41	0.00