

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT

N.M. Oil Cons. DIV-Dist. 2
1801 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 20045. Lease Serial No.
NM-0354232

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator

Mewbourne Oil Company 14744

3. Address

PO Box 5270 Hobbs, NM 88240

3a. Phone No. (include area code)

505-393-5905

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 599' FNL & 2043' FEL, Unit B

At top prod. interval reported below 839' FNL & 1654' FWL

At total depth 869' FNL & 1518' FWL

RECEIVED

OCT 28 2004

OIL-ARTESIA

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

33255

8. Lease Name and Well No.

Esperanza 19 Federal Com #2

9. API Well No.

30-015-33494 SI

10. Field and Pool, or Exploratory

Burton Flat Morrow 73280

11. Sec., T., R., M., on Block and Survey or Area

Sec 19-T21S-R27E

12. County or Parish

Eddy County

13. State

NM

14. Date Spudded

07/20/04

15. Date T.D. Reached

09/08/04

16. Date Completed

☐ D&A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

3190' GL

18. Total Depth: MD 11890'
TVD 11613'19. Plug Back T.D.: MD 11838'
TVD 11560'20. Depth Bridge Plug Set: MD NA
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

DLL w/Micro, DN w/GR & CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8 H40	48	0	450		613 H/C	177	Surface	NA
12 1/4	9 5/8 KJ55	40	0	2245		2582 H/C	610	1730	NA
8 3/4	5 1/2 N80	17	0	11890	6957	1st 825 H	213		NA
						2nd 1500 H	496	2225	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	11307'	11266'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	11458' MD	11552' MD	59'	0.24	70	open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11458'-11552' MD	Frac with 2000 gals 7 1/2% NeFe acid and 70,000 gals 40# 70Q Binary Foam with 71,960# 20/40 Interprop

ACCEPTED FOR RECORD

OCT 27 2004

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/03/04	10/06/04	24	→	0	586	10		0.669	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
16/64	900	0	→	0	586	10	586000	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on next page)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Capitan Reef	520				
Delaware	2549				
Bone Spring	4900				
Wolfcamp	8852				
Canyon	9934				
Strawn	10245				
Atoka	10736				
Morrow	11299				
Barnett	11717				
TD	11890				
All in TVD					

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- ☒ 1 Electrical/Mechanical Logs (1 full set req'd.)
 ☐ 2 Geologic Report
 ☐ 3 DST Report
 ☒ 4 Directional Survey
☐ 5 Sundry Notice for plugging and cement verification
☐ 6 Core Analysis
☒ 7 Other: Deviation Report and C104

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Kristi GreenTitle Hobbs RegulatorySignature Date 10/25/04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Scientific Drilling International
Survey Report

Company: MEWBOURNE
Field: Burton Flat
Site: Eddy Co., NM
Well: Esperanza 19 Fed. Com. #2

Survey MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0	0	0	0	0	0	0	0	0	0
100	0.9	333.43	100	0.2	0.7	-0.4	0.9	0.8	333.43
200	1.39	329.99	200	0.9	2.5	-1.3	0.49	2.8	331.94
300	1.38	341.16	299.9	1.6	4.6	-2.3	0.27	5.2	333.62
400	1.3	1.71	399.9	1.7	6.9	-2.7	0.48	7.4	338.98
500	1.19	4.91	499.9	1.2	9.1	-2.5	0.13	9.4	344.41
600	1.29	355	599.9	0.9	11.2	-2.5	0.24	11.5	347.25
700	1.47	328.7	699.8	1.4	13.5	-3.3	0.65	13.9	346.2
800	1.35	324.24	799.8	2.4	15.5	-4.7	0.16	16.2	343.27
900	2.25	339.09	899.8	3.4	18.3	-6	1.01	19.3	341.71
1000	4.44	348.94	999.6	4	23.9	-7.5	2.26	25.1	342.62
1100	4.26	355.98	1099.3	4	31.4	-8.5	0.56	32.6	344.88
1200	3.82	4.97	1199.1	2.9	38.5	-8.5	0.77	39.4	347.59
1300	3.67	5.22	1298.8	1.5	45	-7.9	0.15	45.7	350.05
1400	3.54	358.03	1398.6	0.4	51.3	-7.7	0.47	51.8	351.45
1500	3.4	354.61	1498.5	-0.1	57.3	-8.1	0.25	57.9	351.96
1600	3.15	0.65	1598.3	-0.6	63	-8.3	0.43	63.5	352.46
1700	3.24	3.05	1698.1	-1.6	68.6	-8.2	0.16	69	353.22
1800	3.15	3	1798	-2.7	74.1	-7.9	0.09	74.6	353.95
1900	2.93	11.44	1897.8	-4.1	79.4	-7.2	0.5	79.7	354.81
2000	3.06	11.55	1997.7	-5.8	84.5	-6.2	0.12	84.7	355.83
2100	2.91	16.84	2097.6	-7.8	89.6	-4.9	0.31	89.7	356.87
2200	3.25	33.4	2197.4	-10.8	94.4	-2.6	0.95	94.4	358.42
2300	3.6	34.92	2297.2	-14.8	99.3	0.8	0.36	99.3	0.44
2400	3.22	34.24	2397.1	-18.8	104.2	4.1	0.39	104.3	2.27
2500	2.99	42.27	2496.9	-22.7	108.4	7.5	0.49	108.7	3.94
2600	2.74	41.31	2596.8	-26.5	112.2	10.8	0.26	112.7	5.5
2700	2.15	46.44	2696.7	-29.9	115.2	13.7	0.63	116.1	6.79
2800	1.78	48.9	2796.7	-32.7	117.6	16.3	0.37	118.7	7.87
2900	1.62	46.38	2896.6	-35.2	119.6	18.5	0.17	121	8.77
3000	1.44	34.03	2996.6	-37.2	121.6	20.2	0.38	123.2	9.43
3100	0.97	14.5	3096.6	-38.3	123.4	21.1	0.62	125.2	9.7
3200	0.7	340.25	3196.5	-38.5	124.8	21.1	0.56	126.6	9.59
3300	0.96	294.17	3296.5	-37.7	125.8	20.1	0.69	127.4	9.09
3400	1.07	289.19	3396.5	-36.2	126.4	18.5	0.14	127.8	8.32
3500	1.31	302.97	3496.5	-34.5	127.3	16.6	0.37	128.4	7.45
3600	1.25	305.83	3596.5	-32.8	128.6	14.8	0.09	129.4	6.57
3700	1.21	318.56	3696.4	-31.5	130	13.2	0.28	130.7	5.8
3800	1.2	336.68	3796.4	-30.6	131.8	12.1	0.38	132.3	5.25
3900	1.39	348.49	3896.4	-30.3	133.9	11.4	0.33	134.4	4.89
4000	1.57	349.22	3996.4	-30.1	136.5	11	0.18	136.9	4.59

4100	1.53	343.01	4096.3	-29.8	139.1	10.3	0.17	139.5	4.24
4200	1.6	344.41	4196.3	-29.5	141.7	9.5	0.08	142	3.85
4300	1.79	350.03	4296.2	-29.2	144.6	8.9	0.25	144.9	3.52
4400	1.7	349.89	4396.2	-29.1	147.6	8.4	0.09	147.8	3.24
4500	1.49	348.92	4496.2	-29	150.3	7.9	0.21	150.5	2.99
4600	1.35	348.28	4596.1	-28.9	152.8	7.4	0.15	152.9	2.76
4700	1.28	344.43	4696.1	-28.6	155	6.8	0.11	155.1	2.52
4800	1.27	354.6	4796.1	-28.6	157.2	6.4	0.23	157.3	2.34
4900	0.73	348.85	4896.1	-28.6	158.9	6.2	0.55	159	2.23
5000	0.77	313.75	4996.1	-28.1	160	5.6	0.45	160.1	2
5100	1.04	274.66	5096	-26.8	160.5	4.2	0.66	160.6	1.5
5200	1.18	256.07	5196	-24.9	160.3	2.3	0.39	160.4	0.82
5300	1.52	245.64	5296	-22.6	159.6	0.1	0.42	159.6	0.03
5400	1.83	237.65	5396	-19.9	158.2	-2.5	0.39	158.2	359.1
5500	1.87	234.58	5495.9	-17	156.4	-5.2	0.11	156.4	358.11
5600	2.08	237.03	5595.8	-13.9	154.4	-8	0.23	154.6	357.03
5700	1.87	242.57	5695.8	-10.7	152.7	-11	0.28	153.1	355.89
5793	1.14	272.35	5788.8	-8.4	152	-13.2	1.12	152.6	355.02

**COMPUTALOG**

Drilling Services

Client : MEWBOURNE OIL CO.
 Well : ESPERANZA 19 #2
 Location : EDY CO. NEW MEXICO
 License :
 Comment : True North

Page: 1
 Date : 2004/09/08
 File : 4002075

UWI #:

Vertical Section Calculated Along Azimuth 260.88°

KB Elevation = 18.50ft GR. Elevation = 3190.00ft

	MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg °/100	Build °/100	Turn °/100
Gyro Tie-In Survey										
0	5793.00	1.14	272.35	5788.74	152.02	-13.24	-11.02	0.00	0.00	0.00
MWD Surveys										
1	5814.00	2.40	268.90	5809.73	152.02	-13.89	-10.38	6.02	6.00	-16.43
2	5846.00	3.20	265.00	5841.69	151.93	-15.45	-8.83	2.57	2.50	-12.19
3	5877.00	3.60	264.60	5872.64	151.76	-17.28	-6.99	1.29	1.29	-1.29
4	5909.00	4.20	262.30	5904.56	151.51	-19.44	-4.82	1.94	1.88	-7.19
5	5972.00	5.40	248.30	5967.34	150.11	-24.48	0.38	2.65	1.90	-22.22
6	6036.00	6.80	241.50	6030.98	147.18	-30.61	6.89	2.46	2.19	-10.62
7	6099.00	8.10	236.50	6093.45	142.95	-37.59	14.45	2.30	2.06	-7.94
8	6162.00	9.00	241.50	6155.75	138.15	-45.62	23.15	1.85	1.43	7.94
9	6225.00	8.50	240.90	6218.01	133.54	-54.02	32.17	0.81	-0.79	-0.95
10	6288.00	9.30	247.80	6280.26	129.35	-62.80	41.51	2.12	1.27	10.95
11	6351.00	10.30	250.50	6342.34	125.55	-72.82	52.00	1.75	1.59	4.29
12	6414.00	11.20	252.10	6404.23	121.79	-83.96	63.59	1.50	1.43	2.54
13	6478.00	12.10	245.10	6466.91	117.05	-95.96	76.19	2.62	1.41	-10.94
14	6518.00	13.50	242.50	6505.92	113.13	-103.90	84.66	3.78	3.50	-6.50
15	6541.00	14.00	242.90	6528.26	110.62	-108.76	89.85	2.21	2.17	1.74
16	6604.00	14.90	244.20	6589.27	103.63	-122.83	104.86	1.52	1.43	2.06
17	6668.00	14.70	249.00	6651.15	97.13	-137.82	120.69	1.94	-0.31	7.50
18	6731.00	14.80	254.80	6712.07	92.16	-153.05	136.51	2.35	0.16	9.21
19	6795.00	15.70	258.80	6773.82	88.33	-169.44	153.29	2.16	1.41	6.25
20	6858.00	16.90	259.60	6834.29	85.03	-186.80	170.97	1.94	1.90	1.27
21	6921.00	17.80	256.20	6894.42	81.07	-205.16	189.72	2.15	1.43	-5.40
22	6985.00	18.50	254.60	6955.24	76.04	-224.45	209.56	1.34	1.09	-2.50
23	7048.00	18.10	256.40	7015.05	71.09	-243.60	229.25	1.10	-0.63	2.86
24	7112.00	17.00	257.50	7076.07	66.73	-262.40	248.51	1.80	-1.72	1.72
25	7175.00	17.00	258.70	7136.32	62.93	-280.42	266.90	0.56	0.00	1.90
26	7238.00	18.50	256.80	7196.32	58.84	-299.19	286.08	2.55	2.38	-3.02
27	7302.00	19.60	254.30	7256.81	53.62	-319.41	306.87	2.14	1.72	-3.91
28	7366.00	20.00	253.60	7317.03	47.62	-340.24	328.39	0.73	0.63	-1.09
29	7429.00	19.20	253.30	7376.38	41.60	-360.50	349.35	1.28	-1.27	-0.48
30	7493.00	18.20	252.40	7437.00	35.56	-380.10	369.66	1.63	-1.56	-1.41
31	7555.00	18.60	256.00	7495.83	30.24	-398.93	389.09	1.94	0.65	5.81

**COMPUTALOG**

Drilling Services

Client : MEWBOURNE OIL CO.
Well : ESPERANZA 19 #2
Location : EDY CO. NEW MEXICO
License :
Comment : True North

Page: 2
Date : 2004/09/08
File : 4002075

UWI #:

Vertical Section Calculated Along Azimuth 260.88°**KB Elevation = 18.50ft GR. Elevation = 3190.00ft**

	MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg °/100	Build °/100	Turn °/100
32	7619.00	17.50	254.20	7556.68	25.15	-418.09	408.82	1.93	-1.72	-2.81
33	7681.00	17.20	256.40	7615.86	20.45	-435.97	427.22	1.16	-0.48	3.55
34	7743.00	18.10	257.40	7674.94	16.20	-454.28	445.97	1.53	1.45	1.61
35	7807.00	18.80	255.10	7735.65	11.38	-473.95	466.15	1.58	1.09	-3.59
36	7871.00	18.30	254.10	7796.33	5.97	-493.58	486.39	0.93	-0.78	-1.56
37	7934.00	17.50	255.20	7856.28	0.84	-512.25	505.64	1.38	-1.27	1.75
38	7997.00	17.50	256.80	7916.36	-3.74	-530.63	524.51	0.76	0.00	2.54
39	8060.00	19.00	256.40	7976.19	-8.31	-549.82	544.19	2.39	2.38	-0.63
40	8123.00	19.80	258.50	8035.62	-12.85	-570.24	565.07	1.68	1.27	3.33
41	8155.00	19.90	260.20	8065.72	-14.86	-580.92	575.93	1.83	0.31	5.31
42	8187.00	19.50	261.00	8095.84	-16.62	-591.56	586.72	1.51	-1.25	2.50
43	8251.00	19.50	259.00	8156.17	-20.33	-612.60	608.08	1.04	0.00	-3.12
44	8313.00	19.00	254.70	8214.71	-24.97	-632.49	628.46	2.42	-0.81	-6.94
45	8376.00	18.70	252.80	8274.33	-30.66	-652.03	648.65	1.08	-0.48	-3.02
46	8440.00	18.40	256.40	8335.01	-36.07	-671.65	668.88	1.85	-0.47	5.62
47	8503.00	18.50	257.60	8394.77	-40.56	-691.08	688.77	0.62	0.16	1.90
48	8567.00	18.30	257.20	8455.50	-44.96	-710.79	708.94	0.37	-0.31	-0.62
49	8630.00	18.40	257.60	8515.29	-49.29	-730.15	728.73	0.26	0.16	0.63
50	8695.00	18.40	257.20	8576.97	-53.76	-750.17	749.21	0.19	0.00	-0.62
51	8758.00	18.60	256.80	8636.71	-58.26	-769.65	769.16	0.38	0.32	-0.63
52	8839.00	17.90	257.50	8713.64	-63.91	-794.38	794.47	0.91	-0.86	0.86
53	8903.00	16.50	259.00	8774.78	-67.77	-812.91	813.37	2.29	-2.19	2.34
54	8966.49	17.10	258.70	8835.56	-71.32	-830.91	831.71	0.95	0.95	-0.47
55	9030.00	18.20	259.70	8896.08	-74.92	-849.82	850.96	1.80	1.73	1.57
56	9094.00	18.40	259.50	8956.84	-78.55	-869.59	871.05	0.33	0.31	-0.31
57	9158.00	17.80	260.10	9017.67	-82.07	-889.16	890.93	0.98	-0.94	0.94
58	9221.00	17.40	257.00	9077.72	-85.85	-907.82	909.95	1.62	-0.63	-4.92
59	9285.00	17.40	250.60	9138.80	-91.18	-926.17	928.92	2.99	0.00	-10.00
60	9348.00	17.90	251.90	9198.84	-97.31	-944.26	947.75	1.01	0.79	2.06
61	9411.00	17.70	258.10	9258.83	-102.30	-962.84	966.88	3.02	-0.32	9.84
62	9475.00	17.60	260.80	9319.81	-105.85	-981.91	986.27	1.29	-0.16	4.22
63	9539.00	17.50	260.00	9380.84	-109.07	-1000.94	1005.57	0.41	-0.16	-1.25
64	9602.00	17.60	259.30	9440.90	-112.48	-1019.62	1024.56	0.37	0.16	-1.11
65	9666.00	18.00	257.40	9501.84	-116.44	-1038.78	1044.11	1.10	0.63	-2.97



Client : MEWBOURNE OIL CO.
Well : ESPERANZA 19 #2
Location : EDY CO. NEW MEXICO
License :
Comment : True North

Page: 3
Date : 2004/09/08
File : 4002075

UWI #:

Vertical Section Calculated Along Azimuth 260.88°**KB Elevation = 18.50ft****GR. Elevation = 3190.00ft**

	MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg °/100	Build °/100	Turn °/100
66	9730.00	18.00	259.40	9562.71	-120.41	-1058.15	1063.86	0.97	0.00	3.12
67	9792.00	18.00	260.60	9621.67	-123.74	-1077.02	1083.02	0.60	0.00	1.94
68	9856.00	18.50	259.60	9682.45	-127.19	-1096.76	1103.06	0.92	0.78	-1.56
69	9920.00	17.70	259.00	9743.29	-130.88	-1116.30	1122.93	1.28	-1.25	-0.94
70	9984.00	17.00	259.00	9804.37	-134.52	-1135.04	1142.01	1.09	-1.09	0.00
71	10047.00	17.90	256.30	9864.48	-138.57	-1153.48	1160.86	1.92	1.43	-4.29
72	10111.00	19.90	254.10	9925.02	-143.88	-1173.52	1181.49	3.32	3.12	-3.44
73	10175.00	19.50	256.30	9985.28	-149.40	-1194.37	1202.95	1.32	-0.62	3.44
74	10239.00	18.30	258.80	10045.83	-153.88	-1214.61	1223.64	2.26	-1.88	3.91
75	10302.00	18.60	257.00	10105.59	-158.06	-1234.10	1243.55	1.02	0.48	-2.86
76	10363.00	18.80	256.10	10163.37	-162.61	-1253.12	1263.05	0.58	0.33	-1.48
77	10426.00	18.50	257.50	10223.06	-167.21	-1272.73	1283.14	0.86	-0.48	2.22
78	10487.00	17.70	257.40	10281.04	-171.33	-1291.23	1302.06	1.31	-1.31	-0.16
79	10549.00	17.00	259.10	10340.22	-175.10	-1309.33	1320.53	1.39	-1.13	2.74
80	10611.00	18.40	258.40	10399.28	-178.78	-1327.81	1339.37	2.28	2.26	-1.13
81	10673.00	18.30	258.10	10458.13	-182.76	-1346.92	1358.86	0.22	-0.16	-0.48
82	10735.00	17.70	257.20	10517.10	-186.85	-1365.64	1377.99	1.07	-0.97	-1.45
83	10798.00	17.20	254.90	10577.20	-191.40	-1383.97	1396.81	1.35	-0.79	-3.65
84	10860.00	18.50	253.10	10636.21	-196.65	-1402.23	1415.68	2.28	2.10	-2.90
85	10922.00	17.90	253.70	10695.11	-202.18	-1420.79	1434.88	1.01	-0.97	0.97
86	10985.00	18.50	255.30	10754.96	-207.43	-1439.75	1454.43	1.24	0.95	2.54
87	11047.00	18.90	254.80	10813.69	-212.56	-1458.96	1474.21	0.70	0.65	-0.81
88	11108.00	17.90	255.70	10871.57	-217.47	-1477.58	1493.37	1.70	-1.64	1.48
89	11199.00	19.40	258.80	10957.79	-223.86	-1505.95	1522.40	1.98	1.65	3.41
90	11259.00	18.90	257.50	11014.47	-227.90	-1525.22	1542.06	1.10	-0.83	-2.17
91	11321.00	17.90	259.50	11073.30	-231.81	-1544.39	1561.61	1.91	-1.61	3.23
92	11381.00	18.40	257.90	11130.31	-235.47	-1562.72	1580.28	1.18	0.83	-2.67
93	11443.00	19.10	258.20	11189.02	-239.60	-1582.21	1600.19	1.14	1.13	0.48
94	11506.00	19.50	254.10	11248.48	-244.59	-1602.42	1620.93	2.24	0.63	-6.51
95	11568.00	19.10	253.50	11307.00	-250.30	-1622.09	1641.26	0.72	-0.65	-0.97
96	11631.00	18.70	253.90	11366.60	-256.03	-1641.68	1661.51	0.67	-0.63	0.63
97	11693.00	18.30	255.90	11425.40	-261.16	-1660.67	1681.07	1.21	-0.65	3.23
98	11755.00	17.80	259.00	11484.35	-265.34	-1679.41	1700.24	1.75	-0.81	5.00
99	11818.00	16.80	263.40	11544.50	-268.22	-1697.91	1718.96	2.61	-1.59	6.98

Client : MEWBOURNE OIL CO.
 Well : ESPERANZA 19 #2
 Location : EDY CO. NEW MEXICO
 License :
 Comment : True North

Page: 4
 Date : 2004/09/08
 File : 4002075

UWI #:

Vertical Section Calculated Along Azimuth 260.88°

KB Elevation = 18.50ft GR. Elevation = 3190.00ft

	MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg °/100	Build °/100	Turn °/100
100	11850.00	16.90	265.90	11575.13	-269.09	-1707.14	1728.21	2.29	0.31	7.81

Extrapolation to bit @ 11890' T.D

EXT	11890.00	17.02	269.02	11613.39	-269.60	-1718.80	1739.80	2.30	0.31	7.81
-----	----------	-------	--------	----------	---------	----------	---------	------	------	------

Bottom Hole Closure 1739.81ft Along Azimuth 261.09°