

INCLINATION REPORT

FEB 1 1971

Field Name _____ County Lea State New Mexico
 Operator Mana Resources, Inc. Address 1009 Midland National Bank Building
Midland, Texas 79701
 Lease Name & No. State "30" Well No. 1 Survey Totco

RECORD OF INCLINATION

Depth (feet)	Angle of Inclination (degrees)	Displacement (feet)	Accumulative Displacement (feet)
300	1/2	2.64	2.64
840	1/2	4.75	7.39
1300	1/2	4.05	11.44
1933	1/2	5.57	17.01
2612	zero	- - -	17.01
2915	1/2	2.67	19.68
3437	1	9.13	28.81
3840	1	7.05	35.86
4178	3/4	4.43	40.29
4320	1/2	1.25	41.54
4585	1	4.64	46.18
4865	3/4	3.67	49.85
5000	3/4	1.77	51.62
5715	1/4	3.15	54.77
6385	1/2	5.90	60.67
6890	1/4	2.22	62.89
7282	1/2	1.72	64.61
7614	1/2	2.92	67.53
8138	1 3/4	15.98	83.51
8277	2	4.85	88.36
8456	2	6.25	94.61
8611	1 3/4	4.73	99.34
8835	3	11.71	111.05
8940	3 1/2	6.40	117.45
9025	3 1/2	5.18	122.63
9125	3 1/4	5.67	128.30
9215	3 1/4	5.10	133.40
9310	3	4.97	138.37
9435	3	6.54	144.92
9554	3	6.22	151.04
9710	2 1/2	6.80	157.84
9864	2	5.37	163.21
10,256	1 1/4	8.55	171.76
10,850	1 1/4	12.95	184.71
11,250	1 1/4	8.72	193.43
11,497	2 1/4	9.71	203.14
11,635	1 1/4	3.01	206.15
11,820	1	3.24	209.39
11,980	1	2.80	212.19
12,325	1 1/4	7.52	219.71
12,700	3	19.61	239.32
12,820	2 1/2	5.23	244.55
13,062	2	8.45	253.00
13,160	2	3.42	256.42
13,288	3	6.69	263.11
13,365	2 3/4	3.70	266.81
13,460	2 1/2	4.14	270.95
13,710	2 1/2	10.90	281.85

Total displacement 281.85

Survey was run in Open Hole Distance to the nearest lease line 660 feet.

Certification of personal knowledge of Inclination Data:

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information given above is true and complete.

Robert Marcum
Signature

MARCUM DRILLING COMPANY
Company

FEB 18 1970

State of Texas)

County of Midland)

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared DELTEN MARCOM, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purpose and consideration therein expressed and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS 14 DAY OF FEBRUARY 19 70.

My Commission Expires

June 1, 1971

Cliff M. Schaub
Notary Public in and for said County and State