

INCLINATION REPORT

11-Dec-89

30-005-21089

OPERATOR: Penwell Energy, Inc.
 ADDRESS: 306 W. Wall, Ste. 1300
 Midland, Texas 79701

WELL NAME: Mescalero Federal #1
 LOCATION: Sec. 11, T-12-S, R-30-E
 Chaves County, NM

1980/2 + 1650/W

RECORD OF INCLINATION

MEASURED DEPTH (feet)	COURSE LENGTH	ANGLE OF INCLINATION (Degrees)	DISPLACEMENT PER HUNDRED FEET (Sine of Angle X100)	COURSE DISPLACEMENT (feet)	ACCUMULATIVE DISPLACEMENT (feet)
210	210	0.50	0.88	1.84	1.84
469	259	0.50	0.88	2.27	4.10
969	500	1.00	1.75	8.75	12.85
1438	469	0.50	0.88	4.10	16.96
1931	493	0.75	1.31	6.47	23.43
2443	512	1.00	1.75	8.96	32.39
2839	396	0.50	0.88	3.47	35.85
2990	151	0.50	0.88	1.32	37.17
3490	500	0.50	0.88	4.38	41.55
3985	495	0.50	0.88	4.33	45.88
4421	436	0.25	0.44	1.91	47.79
4931	510	0.50	0.88	4.46	52.25
5414	483	0.75	1.31	6.34	58.59
5798	384	0.25	0.44	1.68	60.27
6284	486	0.50	0.88	4.25	64.52
6847	563	1.00	1.75	9.85	74.38
6957	110	0.50	0.88	0.96	75.34
7204	247	0.50	0.88	2.16	77.50
7661	457	0.50	0.88	4.00	81.50
8149	488	0.25	0.44	2.14	83.63
9154	1005	0.75	1.31	13.19	96.82
9691	537	0.75	1.31	7.05	103.87
9837	146	0.50	0.88	1.28	105.15
10149	312	1.00	1.75	5.46	110.61

Accumulative total displacement at well bore at total depth of 10,149' feet = 110.61 feet.

Inclination measurements were made in - Tubing Casing Open Hole X Drill Pipe.

At no time was the subject well intentionally deviated from the vertical in any manner whatsoever.

INCLINATION DATA CERTIFICATION

I declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct and complete to the best of my knowledge.

M. D. Mosley
 Signature of Authorized Representative

M. D. Mosley, Vice President, Drilling Operations
 Name of Person and Title

TOT Drilling Corporation
 Name of Company

Telephone: (915) 367-7361 or (915) 563-1948

STATE OF TEXAS)
 COUNTY OF ECTOR)

Subscribed and sworn before me this
 11th day of December, 1989

Elizabeth A. Knight

Notary Public, State of Texas

Elizabeth A. Knight

My commission expires the 10th day
 of June, 1993.

RECEIVED

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OLD
HOBBS OFFICE