

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report.)		6. District 1
1. FIELD NAME Pitchfork Ranch Morrow	2. LEASE NAME Diamond 30 Federal	7. Lease Number. (Oil completions only)
3. OPERATOR HNG OIL COMPANY		8. Well Number 1
4. ADDRESS P. O. Box 2267, Midland, Texas 79702		9. Identification Number (Gas completions only) NM 28881
5. LOCATION Unit Letter J, 1980' FSL & 1980' FEL, Sec. 30, T24S, R34E		10. County Lea, NM

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
166	166	1	1.75	2.91	2.91
345	179	1/4	.44	.79	3.70
609	264	1	1.75	4.62	8.32
815	206	1	1.75	3.61	11.93
1316	501	3/4	1.31	6.56	18.49
1818	502	1/4	.44	2.21	20.70
2345	527	1/2	.87	4.58	25.28
2840	495	3/4	1.31	6.48	31.76
3366	526	1	1.75	9.21	40.97
3860	494	1-1/4	2.18	10.77	51.74
4373	513	1-1/2	2.62	13.44	65.18
4933	560	1	1.75	9.80	74.98
5700	767	1	1.75	13.42	88.40
6222	522	1-1/4	2.18	11.38	99.78
6720	498	3/4	1.31	6.52	106.30
7241	521	1	1.75	9.12	115.42

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of 15293 feet = 336.99 feet.
- *19. Inclination measurements were made in — ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line _____ feet.
21. Minimum distance to lease line as prescribed by field rules _____ feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? No
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION Signature of Authorized Representative Harold L. Jennings, Administrative Manager Name of Person and Title (type or print) Parker Drilling Company (Rig 198) Name of Company Telephone: <u>405</u> <u>677-8371</u> Area Code 	OPERATOR CERTIFICATION Signature of Authorized Representative Betty Gildon, Regulatory Analyst Name of Person and Title (type or print) HNG OIL COMPANY Operator Telephone: <u>915</u> <u>686-3714</u> Area Code
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STEPHANIE STRIBLING
 Notary Public, State of Texas
 My Comm. Expires April 19, 1988

Subscribed and Sworn Before me This _____ Day
 of _____, 1986

 Notary Public

RECEIVED
FEB 20 1986
O.C.D.
HOBBS OFFICE

RECORD OF INCLINATION (Continued from reverse side)

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
7739	498	1/4	.44	2.19	117.61
8263	524	3/4	1.31	6.86	124.47
9016	753	1-1/4	2.18	16.42	140.89
9535	519	3/4	1.31	6.80	147.69
10156	621	1/2	.87	5.40	153.09
10645	489	3/4	1.31	6.41	159.50
11112	467	1	1.75	8.17	167.67
11639	527	1-1/2	2.62	13.81	181.48
12230	591	1-1/2	2.62	15.48	196.96
12600	370	3	5.23	19.55	216.31
12894	294	5	8.72	25.64	241.95
12976	82	3-3/4	6.54	5.36	247.31
13089	113	3	5.23	5.91	253.22
13181	92	2-1/2	4.36	4.01	257.23
13250	69	2-1/4	3.93	2.71	259.94
13635	385	2	3.49	13.44	273.38
14295	660	2-1/2	4.36	28.78	302.16
15293	998	2	3.49	34.83	336.99

REMARKS: If additional space is needed, attach separate sheet and check here. ☐

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submitter of the original charts, graphs, or discs, resulting from the surveys.