

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report.)		6. District 1
1. FIELD NAME Pitchfork Ranch /Atoka/	2. LEASE NAME Diamond 5 Federal	7. Lease Number. (Oil completions only)
3. OPERATOR HNG OIL COMPANY		8. Well Number 3
4. ADDRESS P. O. Box 2267, Midland, Texas 79702		9. Identification Number (Gas completions only) NM 14497
5. LOCATION 660' FNL & 2230' FWL of Section 5, T25S, 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)
192	192	1/4	.44	.84	.84
400	208	1/2	.87	1.81	2.65
637	237	1/4	.44	1.04	3.69
1163	526	3/4	1.31	6.89	10.58
1662	499	1	1.75	8.73	19.31
2189	527	3/4	1.31	6.90	26.21
2681	492	1-1/4	2.18	10.73	36.94
3175	494	3/4	1.31	6.47	43.41
3660	485	1-1/4	2.18	10.57	53.98
3733	73	1-1/4	2.18	1.59	55.57
4197	464	1-1/4	2.18	10.12	65.69
4685	488	2-1/4	3.93	19.18	84.87
4750	65	2-1/4	3.93	2.55	87.42
4967	217	2-1/4	3.93	8.53	95.95
5170	203	3	5.23	10.62	106.57
5355	185	2	3.49	6.46	113.03

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 14,035 feet = 375.08 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 660 feet.
21. Minimum distance to lease line as prescribed by field rules 660 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 Name of Person and Title (type or print) PARKER DRILLING COMPANY (Rig #38) Name of Company 405 677-8371 Telephone: Area Code	OPERATOR CERTIFICATION Signature of Authorized Representative Name of Person and Title (type or print) Betty Gildon, Regulatory Analyst Name of Person and Title (type or print) HNG OIL COMPANY Operator 915 686-3714 Telephone: Area Code
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Subscribed and Sworn Before me This 2nd Day
of October, 1986

LaNell Hester **LANELL HESTER**
 Notary Public, State of Texas
 My Comm. Expires 6-10-89

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

REMARKS:

- 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 submittal of the original charts, graphs, or discs, resulting from the surveys.