

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form W-12
(1-1-71)

INCLINATION REPORT
(One Copy Must Be Filed With Each Completion Report.)

30 225-32825

1. FIELD NAME (as per RRC Records or Wildcat)		2. LEASE NAME Angell	6. RRC District
3. OPERATOR Harvard Petroleum Corp		8. Well Number 1	7. RRC Lease Number. (Oil completions only)
4. ADDRESS 400 N. Pennsylvania Ste 400 Roswell, New Mexico		9. RRC Identification Number (Gas completions only)	10. County Lea
5. LOCATION (Section, Block, and Survey) SEC 4, T-15-S R-38-E Unit B 529 1/2 N 2594 E			

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)
496	496	1.00	1.745	8.656	8.656
942	446	0.75	1.309	5.838	14.494
1455	513	0.75	1.309	6.715	21.209
1955	500	0.25	0.436	2.182	23.391
2451	496	0.50	0.873	4.328	27.719
2932	481	0.50	0.873	4.197	31.916
3422	490	1.00	1.745	8.552	40.468
3904	482	0.75	1.309	6.309	46.777
4384	480	1.50	2.618	12.565	59.342
4475	91	1.00	1.745	1.588	60.930
4895	420	0.75	1.309	5.498	66.427
5386	491	1.00	1.745	8.569	74.996
5871	485	1.25	2.181	10.580	85.576
6158	287	2.00	3.490	10.016	95.592
6287	129	2.00	3.490	4.502	100.094
6544	257	1.75	3.054	7.848	107.943

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 10290 feet = 282.155 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? _____
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form. <i>Glenn Patterson</i> Signature of Authorized Representative Glenn Patterson-President Name of Person and Title (type or print) Patterson Drilling Co. Name of Company Telephone: <u>915</u> <u>573-1104</u> Area Code	OPERATOR CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form. <i>Jeff Harvard</i> Signature of Authorized Representative Jeff Harvard, Vice President Name of Person and Title (type or print) Harvard Petroleum Corporation Operator Telephone: <u>505</u> <u>623-1581</u> Area Code
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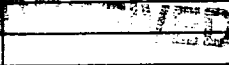
Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

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)
6897	353	2.00	3.490	12.319	120.262
7122	225	2.25	3.926	8.833	129.095
7832	710	2.50	4.362	30.969	160.064
7944	112	2.75	4.798	5.373	165.438
8121	177	2.25	3.926	6.949	172.387
8619	498	4.00	6.976	34.738	207.125
8740	121	4.00	6.976	8.440	215.565
8870	130	3.75	6.540	8.502	224.068
8990	120	3.50	6.105	7.326	231.393
9119	129	3.00	5.234	6.751	238.144
9569	450	2.00	3.490	15.705	253.849
10290	721	2.25	3.926	28.306	282.155


 MAY 1 1945
 OKLAHOMA
 STATE BOARD OF MINERAL LANDS
 OFFICE

☐ 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 submitter of the original charts, graphs, or discs, resurvey from the surveys.