

STATE OF NEW MEXICO
RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Form W-12
(1-1-71)

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

1. FIELD NAME (as per RRC Records or Wildcat)	2. LEASE NAME M.K. STEWART	6. RRC District
3. OPERATOR ARCH PETROLEUM, INC.		7. RRC Lease Number. (Oil completions only)
		8. Well Number 9.
4. ADDRESS 10 DESTA DRIVE, SUITE 420E, Midland, TX 79701		9. RRC Identification Number (Gas completions only)
		10. County Lea
5. LOCATION (Section, Block, and Survey) 1490' FSL & 1340' FEL, Sec 28, TS 23S		

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)
504	504	1/2	.87	4.38	4.38
1090	586	1	1.75	10.25	14.63
1337	247	1/4	.44	1.08	15.71
1590	253	1/2	.87	2.20	17.91
1928	338	1 1/4	2.18	7.36	25.27
2056	128	3	5.23	6.69	31.96
2150	94	3 1/4	5.67	5.32	37.28
2213	63	3	5.23	3.29	40.57
2277	64	2 3/4	4.80	3.07	43.64
2339	62	3	5.23	3.24	46.88
2403	64	3 1/4	5.67	3.62	50.50
2465	62	3 1/4	5.67	3.51	54.01
2525	60	3 1/4	5.67	3.40	57.41
2588	63	2 1/2	4.36	2.74	60.15
2682	94	2 1/2	4.36	4.09	64.24
2778	96	2	3.49	3.35	67.59

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 5970 feet = 132.36 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

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.

Jerry Shrum
Signature of Authorized Representative
Jerry Shrum, Drilling Superintendent
Name of Person and Title (type or print)
CLINT HURT DRILLING
Name of Company
Telephone: (915) 570-4771
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.

Bobbie Brooks
Signature of Authorized Representative
Bobbie Brooks Production Analyst
Name of Person and Title (type or print)
ARCH PETROLEUM INC.
Operator
Telephone: 915 685-1961
Area Code

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)

[illegible]

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

- INSTRUCTIONS -

- 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.