

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2688

SANTA FE, NEW MEXICO 87501

RECEIVED BY

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O. C. D.

ARTESIA QN, GB, SA

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WELL COMPLETION OR RECOMPLETION REPORT

a. Indicate Type of Lease

State ☒Fee ☐

b. State Oil & Gas Lease No.

B-11539

10. TYPE OF WELL

BPM

OIL WELL ☒GAS WELL ☐DRY ☐

OTHER

7. Unit Agreement Name

8. Farm or Lease Name

Humble-Thomas State

9. Well No.

2

10. Field and Pool, or Wildcat

Artesia-Qn, Gb, SA

b. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐

OTHER

2. Name of Operator

Arch Petroleum, Inc.

3. Address of Operator

777 Taylor, Suite IIA, Fort Worth, TX 76102

4. Location of Well

UNIT LETTER B LOCATED 990 FEET FROM THE north LINE AND 1650 FEET FROMTWP. east LINE OF SEC. 9 TWP. 18s RGE. 28e NMPM

12. County

Eddy

15. Date Spudded

9-2-85

16. Date T.D. Reached

9-6-85

17. Date Compl. (Ready to Prod.)

9-18-85

18. Elevations (DF, RKB, RT, GR, etc.)

3645 GL

19. Elev. Casinghead

3647

20. Total Depth

2473

21. Plug Back T.D.

2467

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

XXX

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

2304-2437, Grayburg-Premier

25. Was Directional Survey Made

NO

26. Type Electric and Other Logs Run

LDT-GR

27. Was Well Cored

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	384'	12 1/4"	220 sx Class C, 2% CC	
4 1/2"	10	2467'	7 7/8"	300 sx Hal.Lite, 8# salt, 1/4# flocele + 200 sx Class C, 50/50 POZ, 2% Gel	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	2400'	

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

1 spf, 3 1/2" casing gun
2304-07, 10-12, 66-75, 2397-2403, 15-18, 24-37

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2304-2437	2000 gal. 15% NEFE Acid, Frac - 60,000 gal gel + 38,000# 20/40 + 49,000# 12/20

3. PRODUCTION

First Production 9-18-85		Production Method (Flowing, gas lift, pumping - Size and type pump) Pump 1 1/2" insert						Well Status (Prod. or Shut-in) Producing	
Date of Test 10-1-85	Hours Tested 24	Choke Size -	Prod'n. For Test Period →	Oil - Bbl. 29	Gas - MCF tstm	Water - Bbl. 27	Gas - Oil Ratio -		
Flowing Press. -	Coring Pressure -	Calculated 24- Hour Rate →	Oil - Bbl. 29	Gas - MCF -	Water - Bbl. 27	Oil Gravity - API (Corr.) 35			

Disposition of Gas (sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

Harold Akins

List of Attachments

Logs, Deviation Record

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Scott Niles TITLE GeologistDATE 10-2-85

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. This form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 1572	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 2090	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2428	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 2304 _____ to _____ 2314 _____	No. 4, from _____ to _____
No. 2, from _____ 2364 _____ to _____ 2428 _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____
No. 2, from _____ to _____ feet _____
No. 3, from _____ to _____ feet _____
No. 4, from _____ to _____ feet _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	350	350	Caliche, Sand, Shale				
350	660	310	Anhy & Sand				
660	1422	762	Anhy & Dolo.				
1422	1895	473	Sand, Shale, Dolo.				
2428	2473	45	Dolo.				

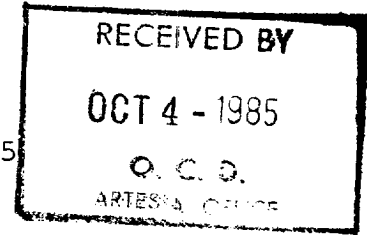


LESLIE K. EVERTSON - ROSWELL
KENNETH D. REYNOLDS - ARTESIA

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

September 10, 1985



Arch Petroleum, Inc.
777 Taylor Street, Suite IIA
Fort Worth, Texas 76102

Ref: Humble Thomas State #2

Gentlemen:

The following is a Deviation Survey on the above referenced well located in Eddy County, New Mexico.

397' - 1/4 ^o	1820' - 3/4 ^o
869' - 1/2 ^o	2305' - 1 1/4 ^o
1250' - 3/4 ^o	2360' - 1 1/2 ^o
1364' - 3/4 ^o	2473' - 1 3/4 ^o T.D.

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk
Arnold Newkirk

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 10TH day
of September 1985 by Arnold Newkirk.

MY COMMISSION EXPIRES:

Bridgette Michelle Botenour
Notary Public

5-487