

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
30-025-31559

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Arrowhead Grayburg Unit

8. Well No.
178

9. Pool name or Wildcat
Arrowhead Grayburg

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____

2. Name of Operator
Chevron U.S.A., Inc.

3. Address of Operator
P.O. Box 1150 Midland, TX 79702

4. Well Location
Unit Letter N : 510 Feet From The South Line and 1980 Feet From The West Line

Section 1 Township 22S Range 36E NMPM Lea County

10. Date Spudded 4/27/92 11. Date T.D. Reached 5/2/92 12. Date Compl. (Ready to Prod.) 5/16/92 13. Elevations (DF & RKB, RT, GR, etc.) 3498' GE 14. Elev. Casinghead ---

15. Total Depth 3915' 16. Plug Back T.D. 3850' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐

19. Producing Interval(s), of this completion - Top, Bottom, Name 3757'-3837' Grayburg 20. Was Directional Survey Made Yes

21. Type Electric and Other Logs Run 22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	1201'	12-1/4"	900 sx	surf
5-1/2"	15.5#	3915'	7-7/8"	700 sx	surf

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	3774'

26. Perforation record (interval, size, and number)

3807'-3837' 2 JHPF (46 holes)
3757'-3780' 2 JHPF (20 holes)
3856'-3903' 2 JHPF (Squeezed)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3891-3901'	300 gals 15% NEFE
3856-66'	400 gals 15% NEFE
3752'-3780'	200 gals 15% NEFE

PRODUCTION

Date First Production 5/16/92 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) Prod
Date of Test 5/19/92 Hours Tested 24 Choke Size W.O. Prod'n For Test Period Oil - Bbl. 16 Gas - MCF 11 Water - Bbl. 151 Gas - Oil Ratio 687
Flow Tubing Press. 35# Casing Pressure 35# Calculated 24-Hour Rate Oil - Bbl. 16 Gas - MCF 11 Water - Bbl. 151 Oil Gravity - API - (Corr.) 34.6

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By

30. List Attachments

31. 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

Signature J. K. Ripley Printed Name J. K. Ripley Title Technical Assistant Date 5/22/92

INSTRUCTIONS

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 25 through 29 shall be reported for each zone. The 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

T. Anhy 1177	T. Canyon
T. Salt 1268	T. Strawn
B. Salt 2512	T. Atoka
T. Yates 2722	T. Miss
T. 7 Rivers 2912	T. Devonian
T. Queen 3367	T. Silurian
T. Grayburg 3792	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinbry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
T. Cisco (Bough C)	T.

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
surf	1177	1177	Surface Alluvium				
1177	1268	91	Anhydrite				
1268	2512	1244	Salt				
2512	3367	855	Evaporites Inter w/Shales & Sands				
3367	3792	425	Sandstones Inter w/Evaporite & Dolomites				
3792	3900	108	Dolo Inter w/Siltstones				

RECEIVED
MAY 20 1951
GEOLOGICAL DEPT.