

Submit to Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies
DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-105
 Revised 1-1-89

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

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

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

WELL API NO.

30-025-10355

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.
 B-034

7. Lease Name or Unit Agreement Name

Arrowhead Grayburg Unit

8. Well No.
 231

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 DEEP 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 I : 1980 Feet From The South Line and 660 Feet From The East Line
 Section 18 Township 22S Range 37E NMPM Lea County

10. Date Spudded 11. Date T.D. Reached 12. Date Compl. (Ready to Prod.) 13. Elevations: (DF & RKB, RT, GR, etc.) 14. Elev. Casinghead
 9/9/91 3400' GE ---

15. Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Cable Tools
 3812' 3764' X

19. Producing Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made
 3376'-3659' Grayburg No

21. Type Electric and Other Logs Run 22. Was Well Cored
 GR-CNL-LDT-DLL No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5#	492'		200 sx	---
5-1/2"	14#	3693'		700 sx	---

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	3752'	

26. Perforation record (interval, size, and number) 3561'-3659' 4" 2 JHPF(132 holes)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	3430-3604'	250 gals 15% NEFE
3619-3812'	1900 gals 15% NEFE	

PRODUCTION

28. Date First Production 9/9/91		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Prod	
Date of Test 9/26/91	Hours Tested 24	Choke Size 2"	Prod'n For Test Period	Oil - Bbl. 5	Gas - MCF 18	Water - Bbl. 53	Gas - Oil Ratio 3600
Flow Tubing Press. 30# PTP	Casing Pressure ---	Calculated 24-Hour Rate	Oil - Bbl. 5	Gas - MCF 18	Water - Bbl. 53	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 11/8/91

Submit 3 Copies
to Appropriate
District Office

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-103
Revised 1-1-89

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

API NO. (assigned by OCD on New Wells) 30-025-10355	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. B-034	
7. Lease Name or Unit Agreement Name ARROWHEAD GRAYBURG UNIT	
8. Well No. 231	
9. Pool name or Wildcat ARROWHEAD/GRAYBURG	
10. Elevation(Show whether DF, RKB, RT, GR, etc.) 3400 GR	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator P.O. BOX 1150 MIDLAND, TX 79702 ATTN: P.R. MATTHEWS	
4. Well Location Unit Letter I : 1980 Feet From The SOUTH Line and Section 18 Township 22S Range 37E 660 Feet From The EAST Line County LEA	
10. Elevation(Show whether DF, RKB, RT, GR, etc.) 3400 GR	

11 Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABAN. <input type="checkbox"/>
PUPL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CMT JOB <input type="checkbox"/>	
OTHER: _____ <input type="checkbox"/>		OTHER: DEEPEN, LOG, PERF, ACDZ <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations(Clearly state all pertinent details, and give pertinent dates, including anticipated date of starting any proposed work) SEE RULE 1103.

MIRU POOH WITH PROD. EQUIP. DRILL OUT CIBP AT 3690', TST/CSG TO 500 PSI-OK.
SPOT 250 GALS. 15% NEFE HCL ACID AT 3430-3604. DRILL FROM 3693-3812 TD HOLE.
LOG HOLE GR-CNL-LDT-DLL. ACDZ 3619'-TD W/1000 GALS. 15% NEFE.
SWB/TST ZONES 1-4 OF GRAYBURG. SET BP AT 3708', SPOT 2 SXS. SAND ON TOP.
PERF 3659-3561 W/ 4" CSG. GUNS, 180 DEG. PHSD, 2 JHPF, TOTAL 132 HOLES.
PBTD AT 3764 BY WIRE LINE .
ACDZ 3659-3561 W/900 GALS. 15% NEFE. SWB/TST.
TIH W/ PROD. EQUIP, EOT AT 3752.
RETURN TO PRODUCTION.
WORK BEGAN ON 8-29-91 WORK ENDED ON 9-11-91.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE P.R. Matthews TITLE TECH. ASSISTANT DATE: 9-12-91

TYPE OR PRINT NAME P.R. MATTHEWS TELEPHONE NO. (915)687-7812

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-101
 Revised 1-1-89

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

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API NO. (assigned by OCD on New Wells)
30-025-10355

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.
B-034

7. Lease Name or Unit Agreement Name
Arrowhead Grayburg Unit

8. Well No.
231

9. Pool name or Wildcat
Arrowhead Grayburg

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

b. Type of Well: DRILL RE-ENTER DEEPEN PLUG BACK
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
CHEVRON USA INC.

3. Address of Operator
P.O. Box 1150 Midland TX 79702 ATTN: Rm 4111

4. Well Location
 Unit Letter I: 1980 Feet From The South Line and 660 Feet From The East Line
 Section 18 Township 22S Range 37E NMPM LEA County

10. Proposed Depth ± 4500

11. Formation GRAYBURG

13. Elevations (Show whether DF, RT, GR, etc.)
3400 GR

14. Kind & Status Plug Bond

15. Drilling Contractor

16. Approx. Date Work will Start
6/1/91

EXISTING		PROPOSED-CASING AND CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	<u>10 3/4</u>	<u>40.5</u>	<u>492</u>	<u>200</u>	
	<u>5 1/2</u>	<u>14</u>	<u>3693</u>	<u>700</u>	

SQUEEZE All CURRENT PERFS AT 3430-3604'.
 DEEPEN WELL ± 4500' w/ 4 3/4" bit under-REAM to 6 1/2" hole.

3000 psi. BOPE

Mist + BRINE Mud System

WELL NAME CHANGED FROM AMERICAN EXP. NEW MEXICO "M" STATE #8

Api # 30-025-10355

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE E.O. Doherty TITLE T.A. Delg DATE 4/30/91

TYPE OR PRINT NAME E.O. DOHERTY TELEPHONE NO. 687-7812

(This space for State Use)

Orig. Signed by
Paul Kautz
 Geologist

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: