

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

WELL API NO. <u>30-025-10352</u>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-934
7. Lease Name or Unit Agreement Name New Mexico "M" State
8. Well No. 1
9. Pool name or Wildcat Arrowhead Grayburg
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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 WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. Name of Operator American Exploration Company
3. Address of Operator 2100 RepublicBank Center, Houston, Texas 77002
4. Well Location Unit Letter <u>J</u> : <u>1980</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>18</u> Township <u>22S</u> Range <u>37E</u> NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Squeeze cement Eumont perfs <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.
TIH w/stinger & 7" packer and 2-7/8" tubing to 3,360'. Stung into retainer, set pkr. load and press. tbq./Csg. annulus to 500 psi. Est. rate into perfs. @ 6 BPM @ 300 psi. Pumped 125 sx. class "C" cmt. + additives plus 125 sx. Class C neat. Flush w/19 bbls. wtr Observed press. to increase from 300 to 950 psi indicating a successful squeeze

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

SIGNATURE Marty B. McClanahan TITLE Sr. Production Analyst DATE 8/14/89

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

AUG 17 1989

APPROVED BY _____ TITLE _____

DATE

CONDITIONS OF APPROVAL, IF ANY:

74 Eumont (Held) E

RECEIVED

AUG 16 1989

OCD
HOBBBS OFFICE

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

OIL CONSERVATION DIVISION

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

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)

30-025-10352

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-934

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☒

b. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. Name of Operator

American Exploration Company

3. Address of Operator

2100 RepublicBank Center, Houston, Texas 77002

7. Lease Name or Unit Agreement Name

New Mexico "M" State

8. Well No.

1

9. Pool name or Wildcat

Arrowhead Grayburg

4. Well Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 18 Township 22S Range 37E NMPM Lea County

10. Proposed Depth
3715

11. Formation

Grayburg

12. Rotary or C.T.
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)
3421

14. Kind & Status Plug. Bond
Bond

15. Drilling Contractor
Company Rig

16. Approx. Date Work will start
5/89

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13-3/4	9-5/8"	36#	451	125	Surf.
8-3/4	7"	24#	3609	500	390

Recomplete to the Grayburg formation as follows:

POH w/tubing and packer. Dump sand on RBP @3275'. GIH w/squeeze packer and set ±2550'. Squeeze cement perfs. 2670-3190'. Drill out cement. Test squeeze to 500 psig. POH w/drill bit. Pull RBP @ 3275. GIH w/squeeze packer and set @ ±3300. Squeeze cement perforations 3418-3472' and 3530-3550'. Drill out cement. Test squeeze to 500 psig. Drill out through cement retainer @ 3533' down to 3715' (3610 to 3715). Perforate 3621', 3627', 3636', 3644', 3648', 3674', 3686', 3690', 3694', 3698', 3703', 3705', and 3710' w/2 SPF.

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 Marty B. McClanahan TITLE Sr. Production Analyst DATE 5/05/89

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAY 10 1989