

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

FINA Oil & Chemical Company 7853 915/688-0650

3. ADDRESS AND TELEPHONE NO.

P.O. Box 10887 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2000' FSL & 680' FWL

At proposed prod. zone

Same Unit

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

30 miles NE of Carlsbad, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)

680'

16. NO. OF ACRES IN LEASE

313.61

17. NO. OF ACRES ASSIGNED TO THIS WELL

313.04

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1031' dry hole

19. PROPOSED DEPTH

11,990'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3414' GL

22. APPROX. DATE WORK WILL START*

March 15, 1999

23.

SECRETARY'S POTASH

PROPOSED CASING AND CEMENT

CAPTAIN CONTROLLED WATER BASIN

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY
17 1/2"	13 3/8"H-40	48# ST&C	300-350'	Circ. 300 sx add
11"	8 5/8"K-55	32# ST&C	3000'	Circ. 700 sx add
7 7/8"	5 1/2"N-80	17# LT&C	11990'	700 sx "H" + add.

Mud Program:

0' - 300': Fresh water Gel/Lime:
300' - 3,000': Brine mud:
3,000' - 9,000': Fresh water mud w/add:
9,000' - 11,100': Brine mud:
11,100' - T.D. Brine w/5% KCL:

Mud Wt.

8.6- 8.8 ppg
10.0-10.2 ppg
8.7- 8.9 ppg
9.6-10.0 ppg
10.0-10.5 ppg

- Vis.

34- 36
28
28
28
34- 36

- W/L Control

No W/L control
No W/L control
No W/L control
No W/L control
W/L control 20-12 cc

BOP Program:

A 13 3/8" 5000 psi wp Shaffer Type LWS Double Gate BOP will installed on the 13 3/8" casing. Casing and BOP will be tested before drilling out with 11" and will be tested after.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

Agent for:

SIGNED

George Smith

TITLE

FINA Oil & Chemical Co. DATE Feb. 19, 1999

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Richard A. Whitley

TITLE

Assoc STATE Dir

DATE

4-26-99

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

1998

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RECEIVED
FEB 19 '99
BIRM
ROSWELL, NM

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Turkey Track Morrow
Property Code	Property Name	Well Number
	WISHBONE FEDERAL COM	1
OGRID No.	Operator Name	Elevation
	FINA OIL & CHEMICAL COMPANY	3414

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 6	6	19 S	30 E		2000	SOUTH	680	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
313.04			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4 NMLC-066087A 38.22 ACRES LOT 5 38.21 ACRES LOT 6 3414.9' 3412.3' 680' 3413.4' 3410.8' 38.25 ACRES LOT 7 2000' 38.30 ACRES	LOT 3 40.06 ACRES NMLC-066087 FINA Oil & Chemical Co.	LOT 2 40.06 ACRES	LOT 1 40.06 ACRES	OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> <u>George R. Smith</u> Signature George R. Smith agent for: Printed Name FINA Oil & Chemical Co. Title February 19, 1999 Date SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> FEBRUARY 9, 1999 Date Surveyed Signature & Seal of Professional Surveyor RONALD S. EDISON Certificate No. RONALD S. EDISON 3239 SARX EDISON 12641 MAON: McDONALD 12185
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RIG #2

BLOWOUT PREVENTOR ARRANGEMENT

11" SHAFFER TYPE LWS, 5000 psi WP
11" CAMERON SPHERICAL, 5000 psi WP
120 GALLON, 5 STATION KOOMEY ACCUMULATOR
5000 psi WP CHOKE MANIFOLD

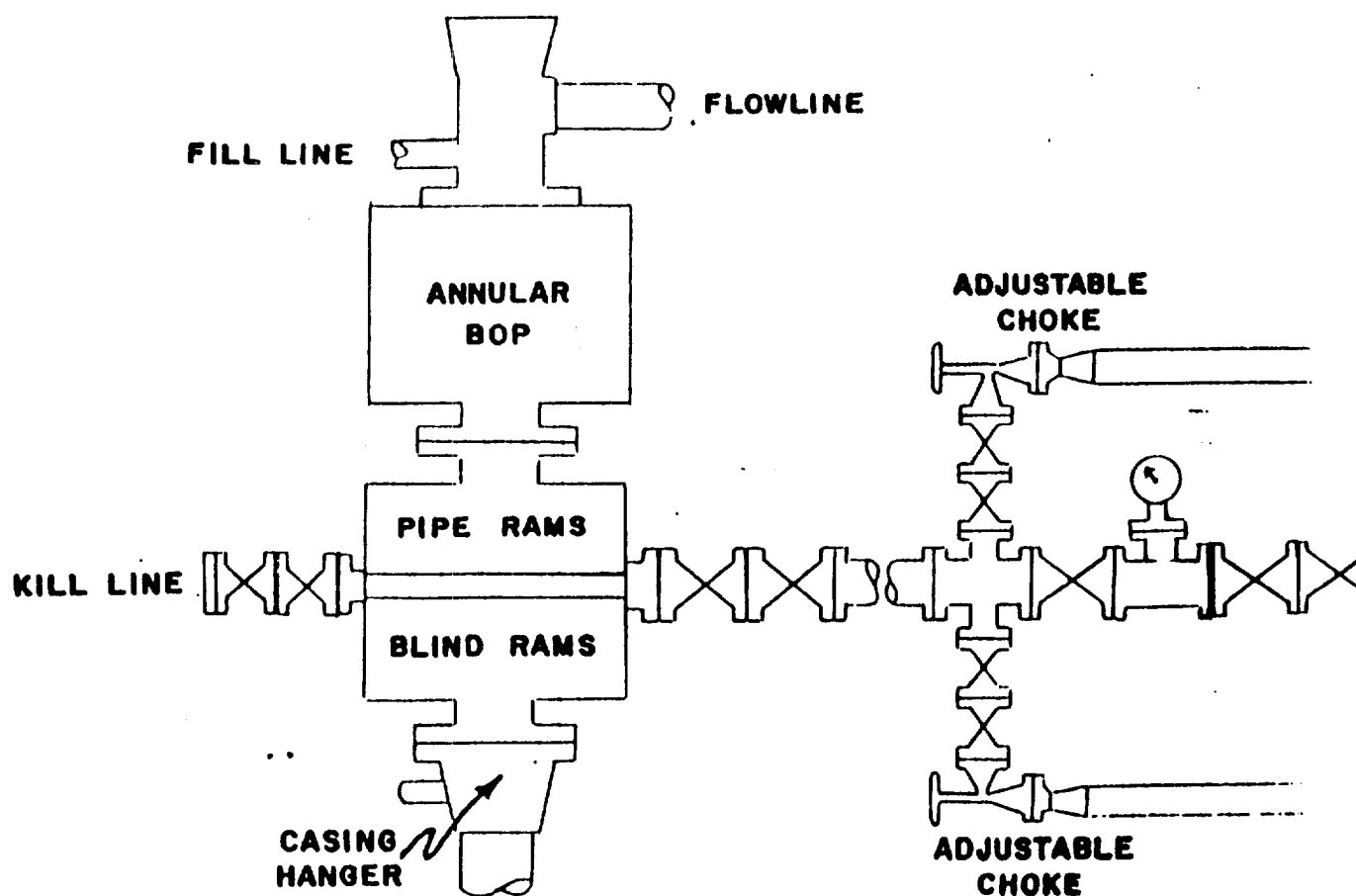


EXHIBIT "E"
FINA Oil and Chemical Company, Inc.
Wishbone Federal Com., Well No. 1
BOP Specifications