

N.M. C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on reverse)

Form approved.
Budget Bureau No. 42-R1425.

30-015-23357

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Inexco Oil Company ✓

3. ADDRESS OF OPERATOR

1100 Milam Building, Suite 1900, Houston, Texas 77002

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

At surface

SE-NW Sec. 35-T25S-R29E

At proposed prod. zone

1980' FNL & 1980' FWL

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

16 miles SE of Malaga, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1980'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

14,400'

20. ROTARY OR CABLE TOOLS

Rotary

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

3010.0' GR

22. APPROX. DATE WORK WILL START*

April 10, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	20"	94#	+350	To surface
17½"	13-3/8"	61#	+3000	To surface
12½"	9-5/8"	47#	11100	550 sacks
8½"	7-5/8"	39#	13100	400 sacks
6½"	5"	18#	14200	350 sacks

gas is not dedicated

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MAR 12 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED

JUN 9 1980

O. C. D.
ARTESIA OFFICE

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R.T. Foster

R.T. Foster

TITLE Drilling Administrator

DATE 3/10/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-83

All distances must be from the outer boundaries of the Section.

Operator: INEXCO OIL COMPANY			Lease: BISON WALLOW Unit		Well No.: 3
Unit Letter: C	Section: 35	Township: 25 SOUTH	Range: 29 EAST	County: EDDY	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 760 feet from the NORTH line and 1980 feet from the WEST line </div>					
Ground Level Elev.: 3010	Producing Formation: <i>manan</i>		Pool: <i>Wallow manan</i>		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

760'

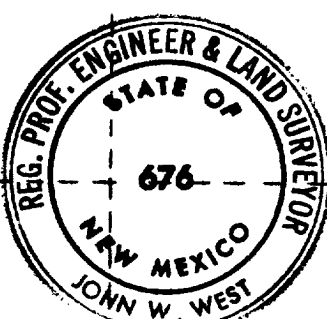
1980'

NM - 0553796

W.I. - Mobil Oil Corp. 100%

R.I. - USA 12.5%

ORRI - Q.G. Guymard 5%



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MAY 22 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>R. T. Foster</i>	
Name	R. T. Foster
Position	Drilling Administrator
Company	Inexco Oil Company
Date	May 20, 1980
<p>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 knowledge and belief.</p>	
Date Surveyed	MAY 15, 1980
Registered Professional Engineer and/or Land Surveyor	
<i>John W. West</i>	
Certificate No.	JOHN W. WEST 676
	PATRICK A. ROMERO 6062
	Ronald J. Eddins 3232

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

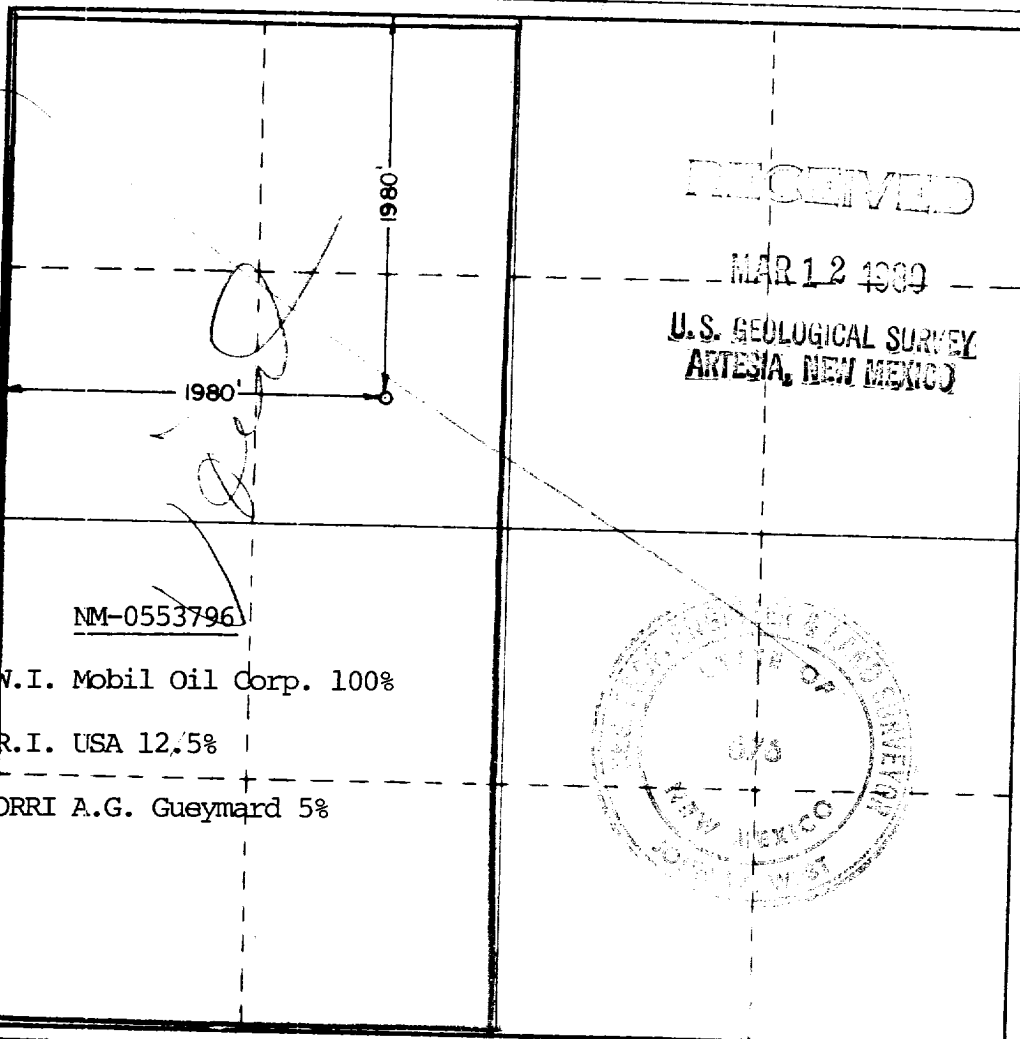
Operator Inexco Oil & Gas Co.			Lease Bison Wallow Unit		Well No. 3
Unit Letter F	Section 35	Township 25 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 3010.0	Producing Formation		Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

R.T. Foster

Name

R.T. Foster

Position

Drilling Administrator

Company

Inexco Oil Company

Date

March 7, 1980

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 knowledge and belief.

Date Surveyed

March 1, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.	JOHN W. WEST	676
	PATRICK A. ROMERO	6063
	Ronald J. Eidson	3239

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



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United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

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JUN 9 1980

O. C. D.
ARTESIA, OFFICE

June 6, 1980

Inexco Oil Company
1100 Milam Building, Suite 1900
Houston, Texas 77002

Gentlemen:

INEXCO OIL COMPANY
Bison Wallow Unit No. 3
760 FNL 1980 FWL Sec. 35 T.25S R.29E
Eddy County Lease No. NM-0553796

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 14,400 feet to test the Morrow is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Before drilling below the 13-3/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
7. A kelly cock will be installed and maintained in operable condition.

8. After setting the 13-3/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
9. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
 - (1) A recording pit level indicator to determine pit volume gains and losses.
 - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
 - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
10. Notify the Survey by telephone 24 hours prior to spudding well.
11. Cement behind the 20" and 13-3/8" casing must be circulated.
12. Special Stipulations:
 - (1) Use caliche pit in the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 34, T.25S., R.29E.
 - (2) Confine all men and materials to the approved access road and well pad to protect nearby cultural resources.
 - (3) Limit all surface disturbance to the absolute minimum necessary for successful completion of this project.
13. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

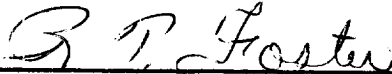
(Cdg. Sgd.) GEORGE H. STEWART

George H. Stewart
Acting District Engineer

LEASE NUMBER: NM-0553791
WELL NAME: Bison Wallow Unit #3
LOCATION: SE-1/4 Section 35 Township 25 South Range 29 East
COUNTY & STATE: Eddy Co., New Mexico

1. Surface Formation: Quaternary
2. Estimated Formation Tops: Delaware Lime-3050' (-50) Wolfcamp-10,120' (-7120), Cisco Canyon-12,220' (-9220), Strawn-12,395' (-9395), Atoka-12,515' (-9515), Upper Morrow-13,170' (-10,170), Lower Morrow Clastics-13,440' (-10,440), Morrow "B" Limestone-13,590' (-10,590), Morrow "C" Zone-14,025' (11,025), TD \pm 14,200' (-11,200)
3. Estimated Depths at which oil, water, gas or other mineral bearing formations are expected to be encountered: Fresh water 0-350. Water Sands 350-TD. Intermittent, Oil and Gas 350-TD Intermittent, all above to be evaluated while drilling.
4. Casing Program: Conductor casing in 25" hole, 0-350', 20"-94# surface casing in 17 1/2" hole 0-3000', 13-3/8"-61# Intermediate casing in 12 1/4" hole 0-11,000, 9-5/8"-47#. Drilling liner in 8 1/2" hole 11,100-13,000, 7-5/8"-39#, Production casing in 6 1/2" hole 0-TD, 5"-18#.
5. Pressure Control Equipment: 350'-3000' 20"-600 Series, Hydril pressure tested once with daily operational checks. 3000'-11,000' 12-900 series double hydraulic BOP pressure tested once with daily operational checks. 11,000-TD, 10"-1500 series, 5000 psi WP Double Gate and Hydril. Pressure test will be done to 5000 psi on rams and 2500 psi on annular preventor. A 3" choke manifold will be installed and tested to 5000 psi.
6. Drilling Mud Program: 0-350' Spud mud with minimum weight and viscosity. 350-11,100' Brine water with sufficient viscosity to clean hole, weight 9.0-10.0 ppg. 11,100-TD Gel Chem. with viscosity of 40-50 and weights 10.5-12.8 ppg.
7. Auxillary Equipment Required: (a) Kelly cocks will be used. (b) No drill pipe floats will be allowed at any time. (c) A full opening floor stabbing valve will be on the floor. (d) Mud systems will be visually monitored at all times.
8. Logging, Testing, and Coring Program: DST's as warranted by drilling time and shows LOGS: BHC Density-Neutron w/GR, 3000'-TD, Later-Log-TRCO 3000-TD, Dipmeter 11,000-TD.
9. Abnormal Conditions: No H2S or extreme abnormal temperatures are expected. There is a possibility of some higher than normal pressure being encountered.
10. Anticipated Starting Date: April 10, 1980

11. Productive zones will be perforated, treated and tested. Gas will be flared during testing periods. Produced water during testing will be contained in the unlines drilling reserve pit. All possible oil will be stored and sold.



R. T. Foster
Drilling Administrator

10" - 5000

ROTATING
HEAD

FLOWLINE VALVE

FLOWLINE

Fillup Lines

10" - 5000

ANGULAR PREVENTOR

DOUBLE GATE TOP

Line Lines (2" KILL, FILL, AND CHORE LINES)

GROUND LEVEL

CASINGHEAD
10" - 5000
BY
8 5/8"

Part
1044

