

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

U. S. OIL COM. COM. IN TR. ATE.
P. O. BOX 1930
HOBBS, NEW MEXICO 88240
(Other instructions on inside cover)

20-041-20826
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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

MURPHY OPERATING CORPORATION

3. ADDRESS OF OPERATOR

P. O. Drawer 2648, Roswell, New Mexico 88202-2648

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

At surface 1980' FSL & 710' FWL of Sec. 29, T-7S, R-36E

At proposed prod. zone

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

Four (4) air miles northeast of Milnesand, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 710' to lease line, 610' to drilling unit line

(Also to nearest drlg. unit line, if any.)
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 50' east of PA'd well formerly Amoco.

16. NO. OF ACRES IN LEASE

240 acres

19. PROPOSED DEPTH

4400'

17. NO. OF ACRES ASSIGNED TO THIS WELL

80

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) Peterson #2

4143' GL

22. APPROX. DATE WORK WILL START*

February 5, 1988

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300' 400'	Sufficient to circulate
7 7/8"	5 1/2"	15.5#	4400'	Sufficient to circulate

The well will be drilled and logged for full evaluation of the San Andres formation. The pay zone will be selectively perforated and stimulated as needed for optimum production. Please find attached:

1. Well Location and Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

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.

SIGNED

Melinda K. Hickman

Production Clerk

DATE 1/22/88

(This space for Federal or State office use)

PERMIT NO.

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

APPROVAL DATE

APPROVED BY

SyPhil Kirk

Area Manager

DATE

FEB 17 1988

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION 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 CONTROL OPERATIONS THEREON.

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

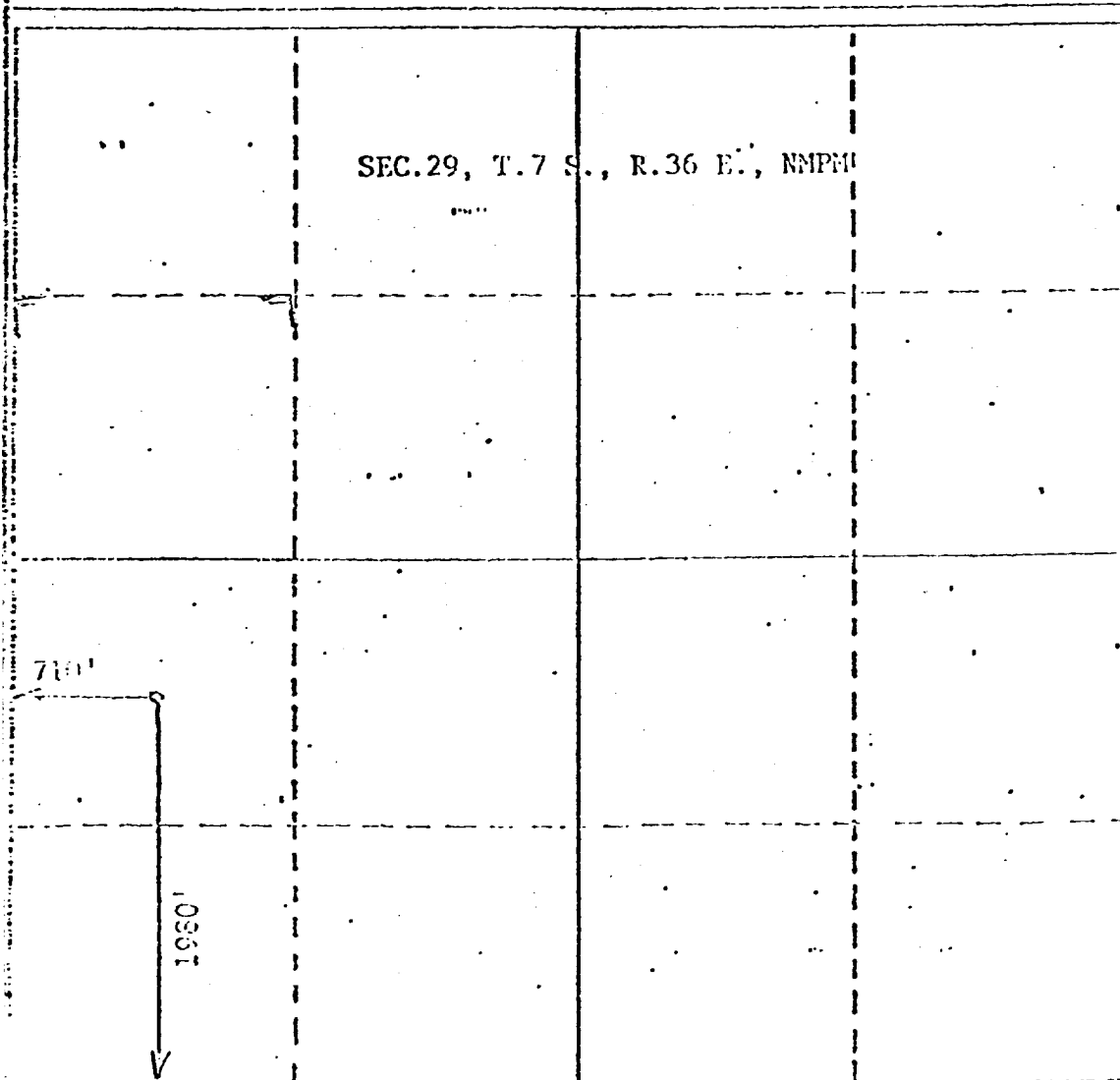
Operator MURPHY OPERATING			Lease TODD LOWER SAN ANDRES UNIT 29		Well No. 12
Section 29	Township 7 SOUTH	Range 36 EAST	County ROOSEVELT		
Actual Footage Location of Well: 1980 feet from the SOUTH line and 710 feet from the WEST line.					
Spot Level Elev. 4143	Producing Formation SLAUGHTER	Pool TODD LOWER SAN ANDRES	Dedicated Acres: 80		

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 Division.



CERTIFICATION

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

Melinda E. Hickman

Name
Melinda E. Hickman

Position
Production Clerk

Company
Murphy Operating Corporation

Date
1/22/88

I hereby certify that the well location shown on this plat was plotted from the notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my knowledge and belief.

JEANNE JACQUES
Date
SEPTEMBER 17, 1987
Notary Public for the State of New Mexico
My Commission Expires _____
Commission No. _____

RECEIVED
MAR 3 - 1988
OCD
HOBBS OFFICE

SUPPLEMENTAL DRILLING DATA

MURPHY OPERATING CORPORATION
WELL #12 TLSAU 29
1980' FSL & 710' FWL, SEC. 29-7S-36E
ROOSEVELT COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Tertiary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	265'	Pi Marker	4020'
Base Salt	2080'	P-1	4125'
Yates	2340'	P-2	4200'
Queen	2990'	P-3	4245'
San Andres	3495'	P-4	4320'

3. ANTICIPATED POROSITY ZONES:

Water: 200' - 230'
Oil: 4245' - 4290'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 300'	24.0#	J-55	STC
5 1/2"	0 - 4400'	15.5#	J-55	STC

5. PRESSURE CONTROL EQUIPMENT: Two Ram-Type Preventors.
3000 PSI W.P.

6. CIRCULATING MEDIUM:

0 - 300' Fresh water with gel or lime as needed for viscosity control.

300 - 4400' Brine, conditioned as necessary for control of viscosity, pH, weight and water-loss.

7. AUXILIARY EQUIPMENT: Drill string safety valves will be maintained on the rig floor while drilling operations are in progress.

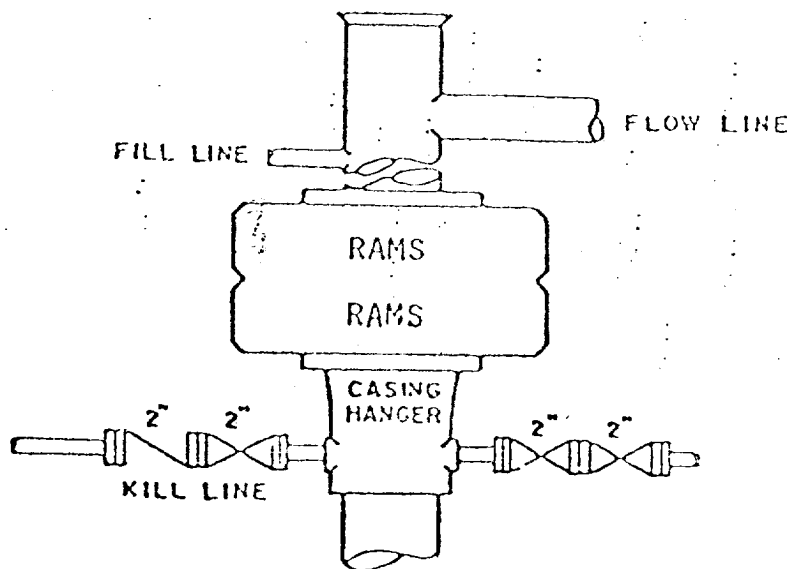
8. TESTING, LOGGING AND CORING PROGRAMS: A core and DST of the San Andres P-2 zone is planned. It is planned to run a CNL w/GR log and an Induction log.

9. ABNORMAL PRESSURES, TEMPERATURES OR GAS: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about February 5, 1988. Duration of drilling and completion operations should be 2 to 5 weeks.



PWC



BLOWOUT PREVENTER SKETCH

Murphy Operating Corporation
 Well #12 TLSAU 29
 1980' FSL & 710' FWL
 Sec. 29, T-7S, R-36E