

XEROX COPY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22300

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

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SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR

DEPCO, Inc.

SEP 21 1977

3. ADDRESS OF OPERATOR

800 Central, Odessa, Texas 79761

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

At surface

D.E.C.
ARTESIA, OFFICE

Unit letter G. 1980' FN & EL, Sec. 8, T-18s, R-29e

At proposed prod. zone

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

7 miles SW of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

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

1980

16. NO. OF ACRES IN LEASE

320

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.

19. PROPOSED DEPTH

11,100

20. ROTARY OR CABLE TOOLS

Rotary

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

3515 Gr.

22. APPROX. DATE WORK WILL START*

On Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8	48	400	500 SK.
11"	8 5/8"	24 & 32	2800	1000 SK.
7 7/8"	4 1/2"	11.6	11,100	500 SK.

Mud program: letter dated 8-17-77 from Texas Mud & Chemical Co.

BOP program: See Exhibit D

Gas production not dedicated.

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ARTESIA, NEW MEXICO

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

D. E. Mason

TITLE

Chief Clerk

DATE

8-25-77

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES SEP 20 1977
*See Instructions On Reverse Side

DATE

APPROVED
SEPT 20 1977
R. L. [Signature]
ACTING DISTRICT ENGINEER

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, notations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Supervised by
Title Division

All distances must be from the outer boundaries of the Section

Depco, Inc.		Lease		Welch Fed.	
Section	8	Township	18 South	Range	29 East
County	G	County	Eddy		
Date Location of Wells					
1980	North	line and	1980	feet from the	East
Ground Level Elev.	3515.0	Producing Formation	Morrow	Foot	Empire Morrow, South
					Estimated Acreage
					320

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the owners (if not the working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests 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.

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ARTESIA, NEW MEXICO**

CERTIFICATION

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

D. R. Mason

D. R. Mason

Chief Clerk

DEPCO, Inc.

8-26-77

I hereby certify that the well location shown on this plat was plotted from the 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

August 9, 1977

Registered Professional Engineer and/or Land Surveyor

John W West

Certificate No.

676

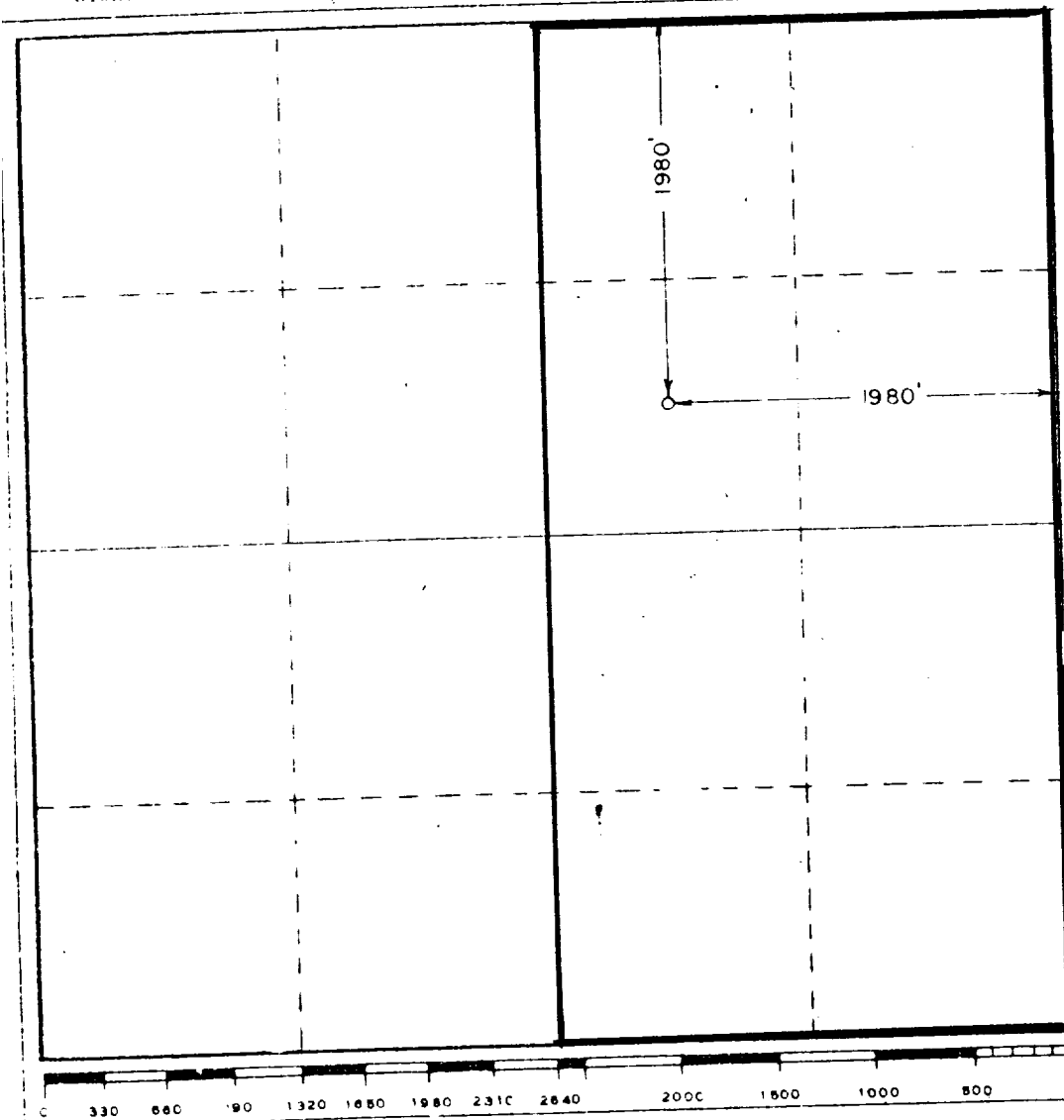
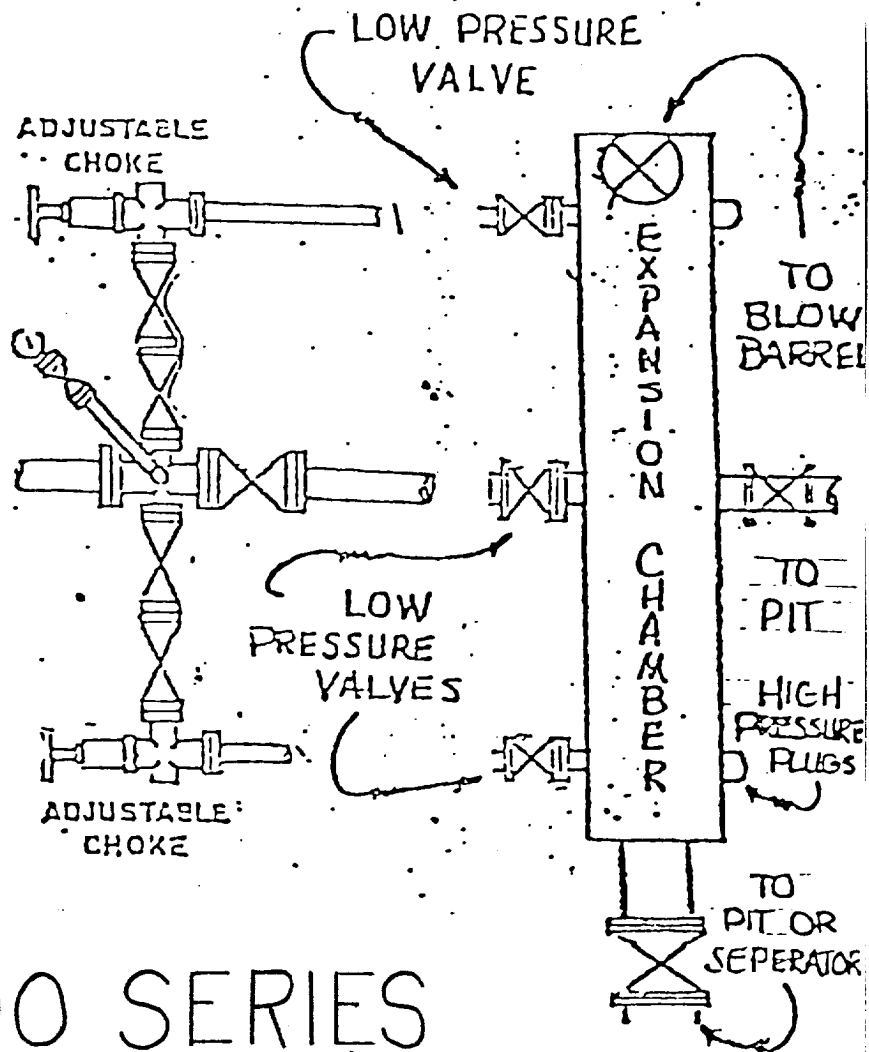
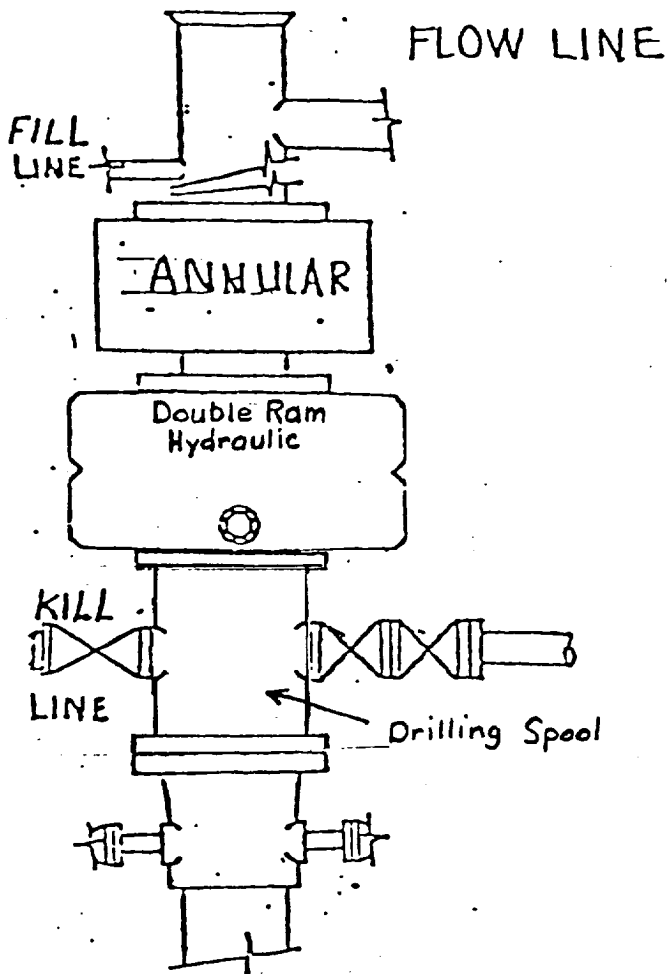
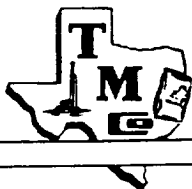


EXHIBIT "D"
 DEPCO, INC.
 NO. 1 WELCH FEDERAL
 1980' FN&EL
 Sec. 8-T18S-R29E
 Eddy Co., New Mexico



1500 SERIES



TEXAS MUD AND CHEMICAL CO.

P. O. BOX 1966

PHONE A/C 915/381-0400

ODESSA, TEXAS 79760

August 17, 1977

Depco, Inc.
800 Central
Odessa, Texas 79761

Attn: C.O. Bizzell

Dear Carl:

We are pleased to submit a Drilling Mud Program for your WELCH FEDERAL #1 to be drilling in Section 8, T18S, R29E, Eddy County, New Mexico.

Surface	TMC Gel and Lime, Vis. 38-40 for hole conditions.
300 - 2800'	Drill with water and native mud. Add Mud Seal if needed for seepage. Lime for PH control 9.5 - 10.5.
2800 - 6500'	Drill with fresh water circulating reserve pit for solids control. Add Mud Seal if needed for seepage. Add Lime for PH control 9.5 - 10.5.
6500 - 10,000'	Add Brine water to raise Wt. 9.7 - 9.8 for possible gas in Wolfcamp. Add 2-3% KCL - sweep hole with 50 Bbl. slug Gel and Visbestos for D.S.T.
10,000' - T.D.	Mud up with Starch and Drispac to lower W/L 12-15cc. Maintain Wt. 9.6 - 9.8. Maintain PH 9. - 9.5 with caustic. Maintain Vis. 31-32, Lower W/L to 5cc or less before drilling into marrow. Raise Vis. if needed to 36-38 for D.S.T. and logging.
Drilling Hazards:	Possible gas in Wolfcamp. 9.8 - 10# brine will hold.
Est. Mud Cost:	\$20,000.00
Engineer:	J.F. "Red" Nimmons - Odessa 381-0600.
Stock Point:	Hobbs - Call Odessa 381-0400.

Thanks for the opportunity of submitting this program for your consideration. We look forward to hearing from you.

Sincerely,

Texas Mud & Chemical Company
Leon Koonce, President

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ARTESIA, NEW MEXICO

APPLICATION FOR DRILLING

DEPCO, Inc.
No. 1 Welch Federal - Section 8 - T18S - R29E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, DEPCO, Inc. submits the following items of pertinent information in accordance with USGS requirements.

1. The estimated tops of geologic markers are as follows:

San Andres	2,677
2nd Bone Springs	5,967
3rd Bone Springs	7,767
Wolfcamp Lime	7,967
Cisco	8,997
Canyon	9,237
Strawn	9,882
Atoka	10,187
Morrow	10,587
Mississippi Chester	10,972

2. The depths at which anticipated water, oil or gas formations are expected to be encountered.

Water:	Approximately 100 feet or less.
Oil or Gas:	Wolfcamp 7,967 - 8,967
	Atoka 10,187 - 10,587
	Morrow 10,587 - 10,972

3. Proposed Casing Program: See Form 9-331C.
4. Pressure Control Equipment: See Form 9-331C and Exhibit D.
5. Mud Program: See Form 9-331C and attached letter from Texas Mud & Chemical Co.
6. Auxiliary Equipment: Blowout Preventer, Inside Blowout Preventer, Kelley Cock.
7. Testing, Logging and Coring Programs:

Drill Stem Tests:	Wolfcamp - 1
	Atoka - 1
	Morrow - 2

10-foot samples from surface casing to TD.

Logging: Dual Laterolog and Compensated Neutron/Density
with Gamma Ray and Caliper.

8. No abnormal pressures or temperatures are anticipated.
9. Anticipated starting date: As soon as possible.

EXHIBIT "C"
DEPCO, INC.
NO. 1 WELCH FEDERAL
1980' FN&EL
Sec. 8-T18S-R29E
Eddy Co., New Mexico

