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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well
DRILL ☐ DEEPEN ☐ PLUG BACK ☒
OIL WELL ☒ GAS WELL ☐ OTHER SINGLE ZONE ☐ MULTIPLE ZONE ☐

7. Unit Agreement Name

8. Farm or Lease Name
Shipp 34

2. Name of Operator
Union Texas Petroleum Corp.

9. Well No.
2

3. Address of Operator
P.O. Box 2120, Houston, Texas 77252-2120

10. Field and Pool, or Wildcat
Undesignated Paddock ~~West Knowles Drinkard~~

4. Location of Well UNIT LETTER M LOCATED 660 FEET FROM THE South LINE
AND 660 FEET FROM THE West LINE OF SEC. 34 TWP. 16S RGE. 37E NMPM

12. County
Lea

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
6430	Paddock	N/A

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3772 GR		N/A	01/05/88

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	13-3/8	48	375	350	Surf
11	8-5/8	24,28,32	4225	550	2800
7-7/8	4-1/2	10.5 & 11.6	8475	550	5700

Workover to recomplete to the paddock formation. Recompletion procedure attached.

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.

Signed Ben White Title Reg. Permit Coordinator Date 12/23/87

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR TITLE _____ DATE DEC 29 1987

CONDITIONS OF APPROVAL, IF ANY:

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	Lease	Well No.
C & K Petroleum Company	Shipp 34	2

Unit Letter	Section	Township	Range	County
M	34	16 South	37 East	Lea

Actual Footage Location of Well:
660 feet from the South line and 660 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3773.1	PADDOCK	~~KNOWLES WEST~~-PADDOCK	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

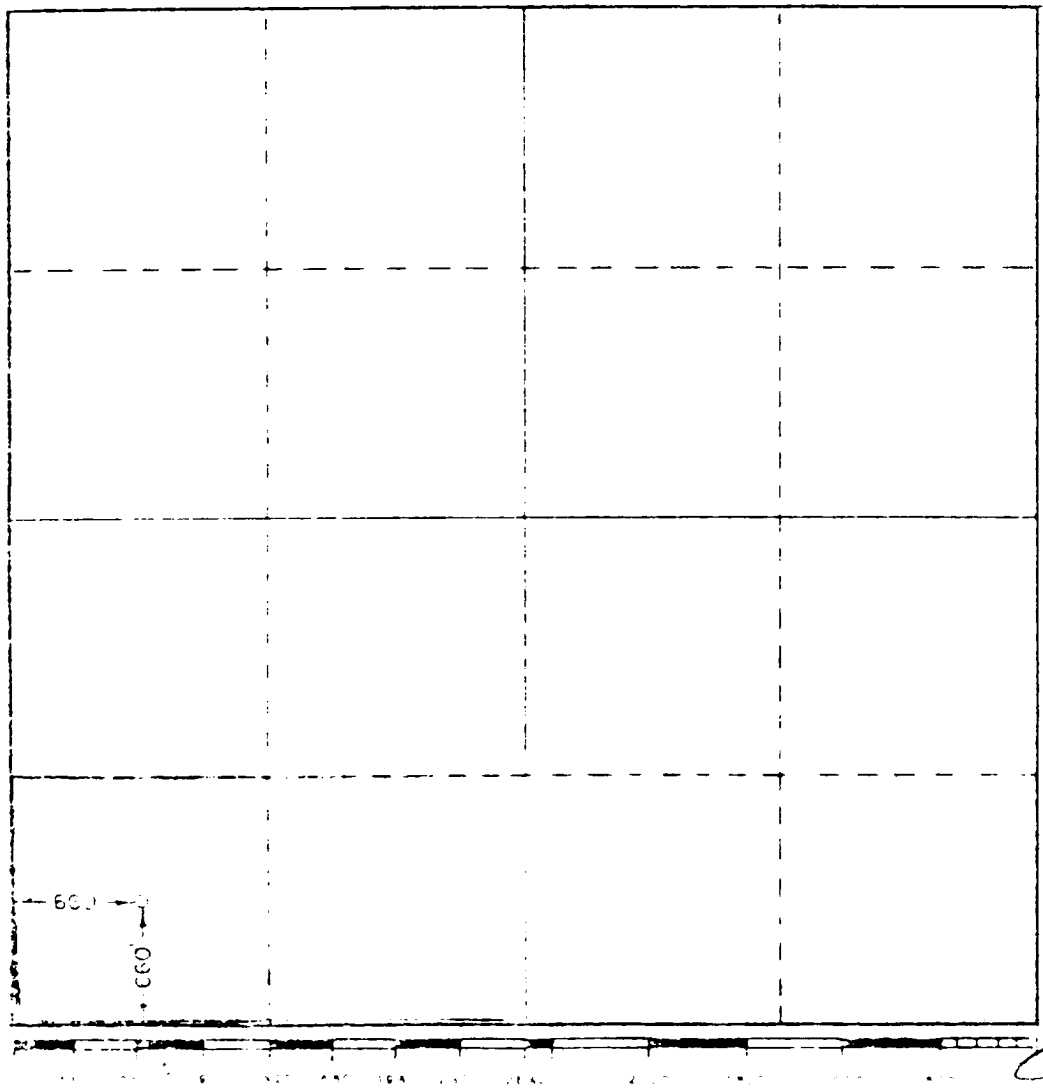
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

Name: D. E. Cooper

Position: Administrative Supervisor

Company: C & K Petroleum, Inc.

Date: May 14, 1975

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: May 12, 1975

Registered Professional Engineer and/or Land Surveyor

Certificate No. 676

REGISTERED PROF. ENGINEER & LAND SURVEYOR
STATE OF NEW MEXICO
JOHN W. WEST

SHIPP "34" NO. 2
Lea County, New Mexico

Workover to Recomplete to the Paddock, Test,
and Downhole Commingle With the Drinkard

1. MIRUSU.

2. POH with rods and pump.

3. Install BOP.

4. POH with 2-3/8", J-55 production tubing.

5. RU wireline truck with a pack-off.

   A. Run GR/CCL correlation log from 6500' to 6200'.
   B. Perforate the Paddock at the intervals listed below with 3-3/8" hollow steel carrier type guns at 1 jspf:

	6363' - 6400'	37'	38 holes
	6410' - 6430'	20'	21 holes
TOTAL:	6363' - 6430'	57'	59 holes

   Correlate with Welex Sidewall Neutron Log dated 6-12-75.

   C. Rig down wireline truck.

6. GIH with RBP and treating packer (for 4-1/2", 11.60#/ft csg) on 2-3/8", 4.7#/ft, N-80, EUE, 8R workstring (hydrotesting to 7000 psig) to 8050'. Set RBP, pressure test RBP to 1000 psi, and dump 2 sx sand on RBP. Pull uphole and set packer at 6300'±.

7. Acidize the Paddock perforations 6363' - 6400' and 6410' - 6430' with 4,000 gal of 15% NE-FE HCl *acid as follows:

   A. Pressure backside to 500 psig.
   B. Pump 4,000 gal of acid, dropping 89 ball sealers (7/8", 1.3 SG) spaced evenly throughout.
   C. Flush to 6430' with 2% KCl.
   D. Leave well shut-in for 2 hours.

   Expected rate and pressure: 5 BPM at 3,500 psig.
   Maximum rate and pressure: 5 BPM at 5,000 psig.

8. Flow and/or swab test, reporting hourly fluid levels, recovery, and oil cut.

9. Fracture the Paddock perforations with 20,000 gal of gelled 2% KCl carrying 46,000# of 20/40 mesh sand down 2-3/8" tubing as follows:

   A. Pressure backside to 1000 psig.
   B. Pump 7,000 gal of gelled pad.
   C. Pump 1,000 gal of gel carrying 1 ppg 20/40 sand.
   D. Pump 1,000 gal of gel carrying 2 ppg 20/40 sand.
   E. Pump 4,000 gal of gel carrying 3 ppg 20/40 sand.
   F. Pump 4,000 gal of gel carrying 4 ppg 20/40 sand.
   G. Pump 3,000 gal of gel carrying 5 ppg 20/40 sand.
   H. Flush to 6363' with gelled 2% KCl water.
   I. Leave well shut-in overnight.

   Expected rate and pressure: 15 BPM at 6,000 psig.
   Maximum rate and pressure: 15 BPM at 7,000 psig.

   NOTE: The Shipp "34" #3 is 150' south of this well. Prior to pumping frac job, rig up and pressure backside of Shipp 34-3 to 1000 psi. Make sure pump truck operator at Shipp 34-3 has a radio to report any annulus pressure fluctuations on Shipp 34-3 to the frac van.

10. Flow and/or swab test, reporting hourly fluid levels, rates, and oil cut.

11. Kill well, release packer, and POH.

12. If commercial, place well on production for 30 days, and apply for permission to downhole commingle. RDMOSU. Rod design is as follows:

    Seating Nipple at 6460'±
    Tubing Anchor at 6350'±
      1.25" Pump
      7.5 SPM
     79 (1975') 7/8" rods with SH cplgs
    171 (4275') 3/4" rods with Reg cplgs
      8 (200') 7/8" rods with SH cplgs

    Predicted downhole stroke is 115 inches.

13. MIRUSU.

14. POH with rods and pump.

15. Install BOP.

16. POH with production tubing.

17. Retrieve RBP.

18. GIH with production tubing and rods. Rod design will be supplied upon permission to commingle.

19. Remove BOP and install wellhead.

20. Place well on production and RDMOSU.

RJP/ejw
9/03/87