

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 671 - Midland, Texas 79701

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

At surface

1980' FSL & 660' FWL

At proposed prod. zone

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

27 miles northwest of Mentone, Texas

15. DISTANCE FROM PROPOSED*

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

660'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.16. NO. OF ACRES IN LEASE
OR FEDERAL OFFICE

6,322.36

19. PROPOSED DEPTH

15,000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3224' Gr.

22. APPROX. DATE WORK WILL START*

By October 1, 1973

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0	800'	980 Sx.
12-1/4"	9-5/8"	47.0	5,500'	1925 Sx.
8-1/2"	7"	26.0 & 32.0	13,000'	970 Sx.
6"	4-1/2" Liner	15.1	15,000'	350 Sx.

3000 psi W.P. Manual/Hydraulic B.O.P. from 800' to 5500'.
10000 psi W.P. Manual/Hydraulic B.O.P. from 5500' to Total Depth.
5000 psi W.P. Hydril and Rotating Head from 5500' to Total Depth.

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

T. G. Byrom

TITLE District Drilling Supt.

DATE August 22, 1973

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES DEC 11 1973

See Instructions On Reverse Side

RECEIVED
AUG 23 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

APPROVED
SEP 11 1973
R. L. BECKMAN
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, locations 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.



United States Department of the Interior

GEOLOGICAL SURVEY

WASH. D.C. 20548

June 22, 1973

MEMO

DRILLING WELL CONTROL SPOUT PREVENTERS FOR DEEP WELLS APPLIED TO FEDERAL OIL AND GAS LEASES IN THE UNITED STATES

The following regulations shall be in accordance with 30 CFR 221.24, 221.36, and 221.37. The following regulations, equipment, chosen equipment, drilling fluid characteristics, drilling fluid monitors, and the conduct of drilling procedures shall be in accordance with the following regulations to prevent the blowout of any well. In addition to all other applicable regulations, regulations, and accepted good operating practices, the following regulations shall be in accordance with the following safety requirements:

1. After setting the 9 5/8" casing string and before drilling into the formation, the SPRINA and related control equipment shall be provided and tested by an independent third party. If failing to test, the office should be notified. The office should be notified to witness the test. The pressure test report shall be actuated at the time the drill bit enters each time the drill bit enters the formation.
2. The pressure test report shall be actuated at all times.
3. A pressure test report shall be maintained on the well. The pressure test report shall be maintained on the well.
4. The pressure test report shall be maintained on the well. The pressure test report shall be maintained on the well.
5. The pressure test report shall be maintained on the well. The pressure test report shall be maintained on the well.

drilling into the BONE SPRING 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.
6. When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 150 feet. The volume of mud required to fill the hole shall be watched, and any time there is an indication of swabbing, or influx of formation fluids, proper blowout prevention precautions must be taken. The mud shall not be circulated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom.
7. A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the well.


James A. Knut
District Engineer

Lease No. NM-0454524
Well UNION - No. 1 HANCOCK BUNK UNIT
Drill site 1930/3 - 42/1N 17-26E - 31E
Depth 15,000 - 17,000
Approved SEPTEMBER 11, 1973

N. M. O. C. COPY
Union Oil and Gas Division: Central Region
MAILING ADDRESS. P. O. Box 671
Union Oil Company of California
500 North Marienfeld, Midland, Texas 79701
Telephone (915) 682-9731



RECEIVED
AUG 23 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Midland District

August 21, 1973

U. S. Geological Survey
P. O. Drawer "U"
Artesia, New Mexico 88210

Gentlemen:

Phantom Banks Unit Federal "17"
Well No. 1
Undesignated Morrow Gas Field
Eddy County, New Mexico
Twelve-point Surface Use Plan

Attached herewith the "Application for Permit to Drill" on Federal lands is Union's Twelve-point Surface Use Plan.

- Item 1. Existing roads including location of the exit from main highway - EXHIBIT "A"
2. Planned access roads - EXHIBITS "A", "B", & "C". No new roads will need be constructed. Existing ranch roads will be leveled and maintained.
3. Location of existing wells - EXHIBIT "A".
4. Lateral roads to well location - EXHIBIT "A".
5. Location of tank batteries and flow lines - There are no flow lines nor tank batteries within a 1/2 mile radius of the proposed location. See EXHIBIT "B" for proposed location of tank battery and sales gas line.
6. Location and type of water supply - Adequate fresh water for drilling may be developed by the drilling of a 400' deep water well at the location. If insufficient water is obtained from this well fresh water will need be trucked from tanks along Texas Highway 652 located approximately 1 mile southwest of Marathon's North Mason Camp. Should brine water be required for drilling, the nearest source is at Mentone, Texas, 27 miles southeast of the location. See EXHIBIT "A".

- Item 7. Method for handling waste disposal - All incendiary material will be burned on location. Other items will be hauled away.
8. Location of camps - Trailer house will be located on drill site for supervisory personnel. No other camps are anticipated.
9. Location of airstrips - None.
10. Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. EXHIBIT "C".
11. Plans for restoration of the surface - Upon completion or P&A of well, location pits will be filled and leveled and location cleaned up.
12. Any other information - Location is on rolling caliche hills sparsely covered with scrub mesquite. There are no steep hillsides or gullies. The location will be brought to grade by ripping caliche hillside. Existing ranch and county roads will be used as per ranchers request.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA



T. G. Byrom
District Drilling Superintendent

TGB:DMJ:gl

Attachments

Form C-100
Supplemental
Elective 100-10

OIL COMPANY OF CALIFORNIA		Lease		PHANTOM BANKS UNIT FEB 17		Well No. 1	
Section 17		Township 26 SOUTH		Range 31 EAST		County EDDY	
A. Containing description of well:							
1/4 Sec. 17		660 feet from the		WEST line			
3224'		Producing formation:		Pool:		Indicated Acres pr:	
Morrow		Wildcat		320			

1. Outline the acreage dedicated to the subject well by color. Well or hole bore 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 _____

Tract number is "NA," if the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No dividend will be assigned to the warrant until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, encompassing such interests, has been approved by the Committee.

10

100

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

Name T. G. Byrom

District Drilling Supt.

Company
Union Oil Co. of California

Date
August 22, 1973

I hereby certify that the well shown on this plot 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
AUGUST 17, 1973

Registered Professional Engineer
and/or Land Surveyor

John W West
Certificate No. 373