

30-015-20817

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. NAME OF OPERATOR

Roger C. Hanks

4. ADDRESS OF OPERATOR

2100 Wilco Building, Midland, Texas 79701

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

At surface 1980 FNL & 1980 FWL

At proposed prod. zone

Cisco Canyon

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

Approx. 8 mi. West & 2 mi. North of Lakewood, New Mexico

7. DISTANCE FROM PROPOSED

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

1980

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

9. NO. OF ACRES IN LEASE

320

10. PROPOSED DEPTH

8,000'

11. NO. OF ACRES ADJACENT TO THIS WELL

40

12. ROYALTY OR CABLE TOOLS

McVay Drilling Co.

13. APPROX. DATE WORK WILL START*

Oct. 8, 1973

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

3529 Ground

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"	32#	400'	200 SX
11"	8-5/8"	23# & 26#	1100'	600 SX

Operator plans to drill the well to TD of approximately 8,000' and test zone either by DST or log analysis. If information indicates zone is productive of oil and/or gas, the operator plans to run 8-5/8" casing, cement same, perforate and acidize for production tests. If dry hole is indicated, well will be plugged and abandoned in accordance with Federal Rules and Regulations.

1. a. B.O.P. program - Two Shaffer Hydraulic preventors and one Hydril "G.K." with 3000 p.s.i. W.P. ratings. Sufficient mud weight to contain formation at all times. (See complete diagram on Plat 3D).

b. Mud program - Native mud to 4000'. Good sample-mud from 4000' to 7000'. Low water loss mud (wt. 9.2 - 9.6) from 7000' to TD.

c. Drilling waste disposal - Drilling waste will be completely contained in earthen pit. Any liquid will be allowed to evaporate. Pits will be re-covered with soil and area returned to its original condition.

d. Water Supply - Water well 759' deep. Same supply used for drilling our #1 Barbara, located one half mile E.N.E.

(Over for continued #23)

IF 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

Production Clerk

DATE Sept. 17, 1973

(This space for Federal or State, whichever)

DECLARED WATER BASED

PERMIT NO.

SUBJECT TO ATTACHED DEEP WELL CONTROL REQUIREMENTS DATED

JUN 22 1973

CEMENT BEHIND THE CASING MUST BE CIRCULATED

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.

NOTIFY USGS IN SUFFICIENT TIME TO WITNESS CEMENTING THE CASING

DEC 27 1973



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

June 22, 1973

NOTICE

DRILLING WELL CONTROL REQUIREMENTS FOR DEEP WELLS DRILLED ON FEDERAL OIL AND GAS LEASES IN THE ARTESIA DISTRICT

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

1. After setting the 8 1/2" casing string and before drilling into the Wolcamp 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. In addition, the pipe rams and bag-type preventer shall be actuated at least once each 24 hours and the blind rams each time the drill pipe is out of the hole.
2. Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.
3. A drill string safety valve in the open position shall be maintained on the rig floor at all times while drilling operations are being conducted.
4. Blowout prevention drills shall be conducted as necessary to insure that each drilling crew is properly trained to carry out emergency duties.
5. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before

drilling into the WOLF CAMP 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. Knauf
District Engineer

Lease No. NM-1372
Well ROGER HANKS - No. 3 BARBARA
Drillsite 1980/NW 17-145-25E
Depth 5600' (Cased)
Approved 4-27-79 (RE-ENGINEERED)

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION FORM

Form C-102
Supersedes C-120
Effective 1-4-65

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

Owner ROGER C. HANKS		Lease BARBARA FEDERAL		Well No. 3
Section 17	Township 19 South	Range 25 East	County Eddy	
Well Location of Well: 1980 feet from the North line and 1980 feet from the West line. Section Level Elev: 3129 Producing Formation Cisco Canyon Pool Und. Cased Dedicated Acreage 40 Acres Dagger Draw				

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 on 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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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SEP 24 1973

**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.

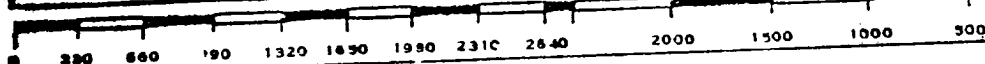
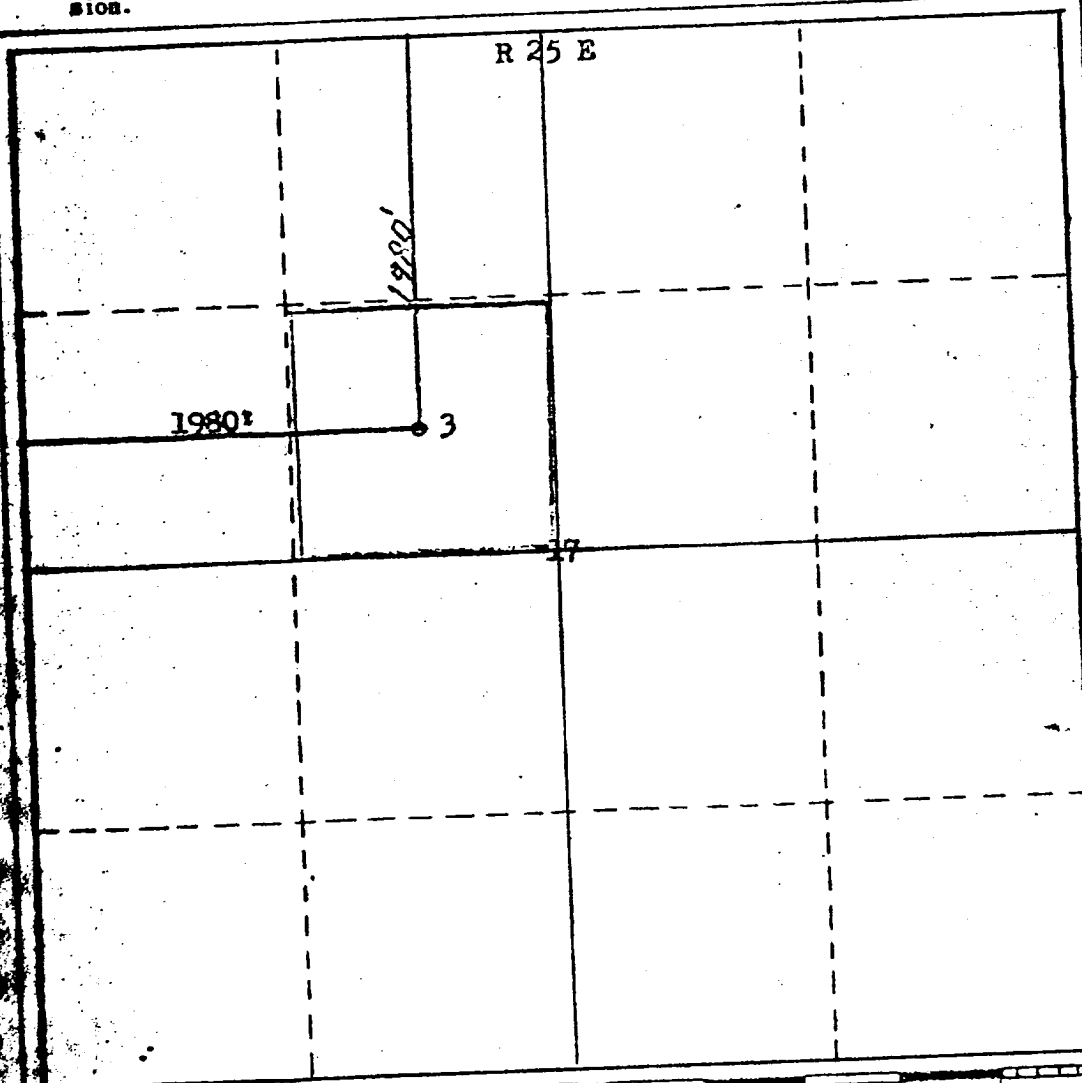
Name *James H. Brown*
Position *Production Clerk*
Company *Rogers Hanks*
Date *Sept. 17, 1973*

I hereby certify that the information shown on this plat is true and complete to the best of my knowledge and belief.

JAMES H. BROWN

Date Surveyed
February 24th, 1973
Registered Professional Engineer
and/or Land Surveyor

James H. Brown
Certificate No. **342**



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.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-306

#23 Continued

e. Surface restoration plans - Dry Hole - Location will be cleared of all debris, graded, covered with soil and returned to its original state. Producing Well - Location will be a completely level, rolled caliche fenced area of nice appearance. It will be ditched to prevent loss of any possible leakage and should present no problem to man or animal.

Attached hereto are the following:

- a. Drill-site diagram
- b. Plat of existing and planned access roads
- c. Plat of wells in surrounding area
- d. Blow-out Preventor diagram

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SEP 24 1973

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