

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

Roger C. Hanks

3. ADDRESS OF OPERATOR

2100 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980 FWL & 1980 FSL

At proposed prod. zone

Morrow Test

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

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

15. DISTANCE FROM PROPOSED*

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

1980

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

16. NO. OF ACRES IN LEASE

760

19. PROPOSED DEPTH

9,200'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Sharp Drilling Co.

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

3553' GR

22. APPROX. DATE WORK WILL START*

July 18, 1972

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32#	1500-2000'	600 sx. Circ. to surface
8 3/8"	7"	23# & 26#	9,200'	500 sx.

Operator plans to drill the well to TD of approximately 9,200' 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 7" 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 & 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 pits. 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)

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

TITLE Operator

DATE June 22, 1972

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED FOR
CONSTRUCTION APPROVAL, IF ANY:

TITLE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES SEP 27 1972

APPROVED
JUN 27 1972
R. L. BEEKMAN
ACTING DISTRICT ENGINEER

DECLARED WATER BASIN
DATE 6/25CEMENT BEHIND THE
CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO
WITNESS CEMENTING THE CASING.

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 plat's, 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.

#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

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.

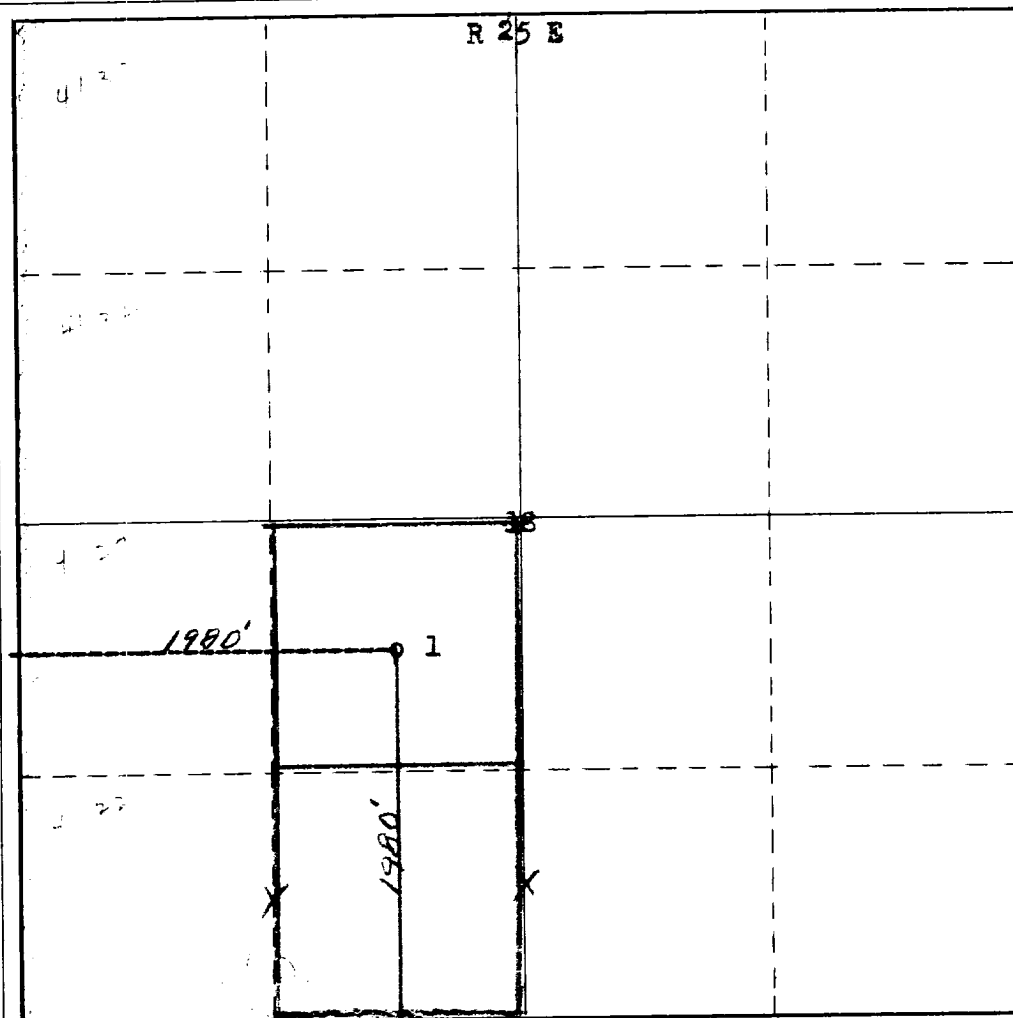
Operator ROGER C. HANKS			Lease FEDERAL LAND BANK		Well No. 102
Unit Letter K	Section 18	Township 19 South	Range 25 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the West line					
Ground Level Elev. 3601	Producing Formation Morrow	Pool Daguer Draw		Dedicated Acreage 2.00 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 COMMUNITIZATION PENDING

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.

Roger C. Hanks
Name
by Sheila D. Matlock
Position

OPERATOR

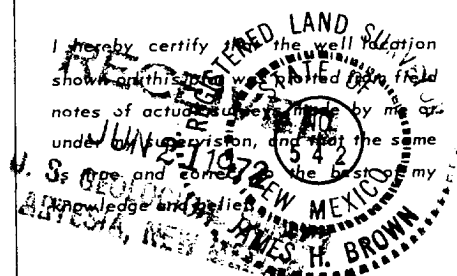
Company

ROGER C. HANKS

Date

June 19, 1972

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

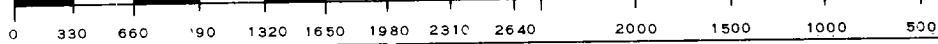


Date Surveyed

June 19th, 1972

Registered Professional Engineer and/or Land Surveyor

James H. Brown
Certificate No. **542**



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 Roger C. Hanks			Lease Barbara-Federal		Well No. 2
Unit Letter K	Section 18	Township 19 South	Range 25 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the West line					
Ground Level Elev. 3601	Producing Formation Morrow	Pool Dagger Draw		Dedicated Acreage: 1.38 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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

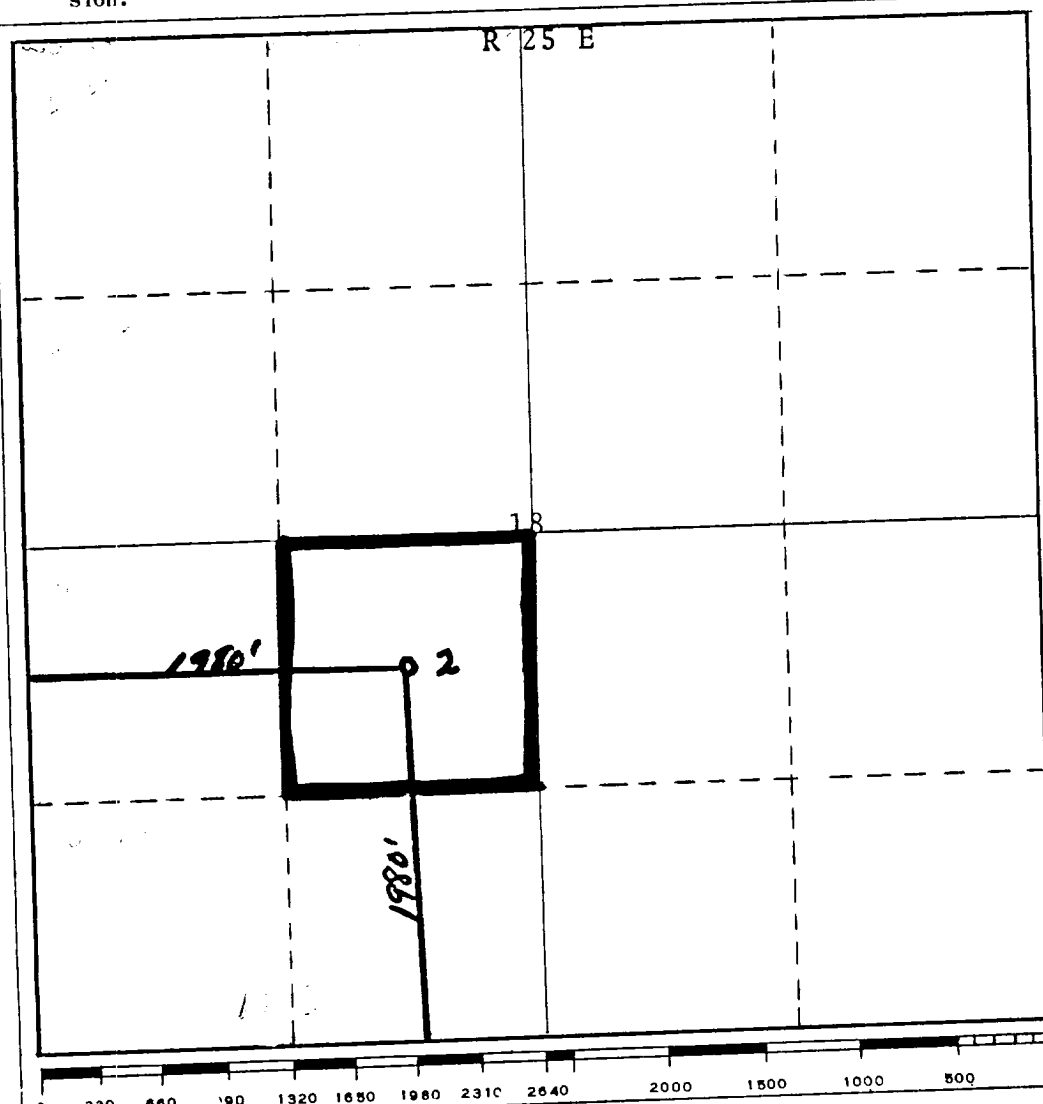
COMMUNITIZATION

RECEIVED

JUN 26 1972

**U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

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.

Roger C. Hanks
Name
Lynda A. Matlock
Position

Operator
Company

Roger C. Hanks

Date
June 22, 1972

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.

See Survey Plat

Date Surveyed
Submitted June 19, 1972

Registered Professional Engineer and/or Land Surveyor

Certificate No.

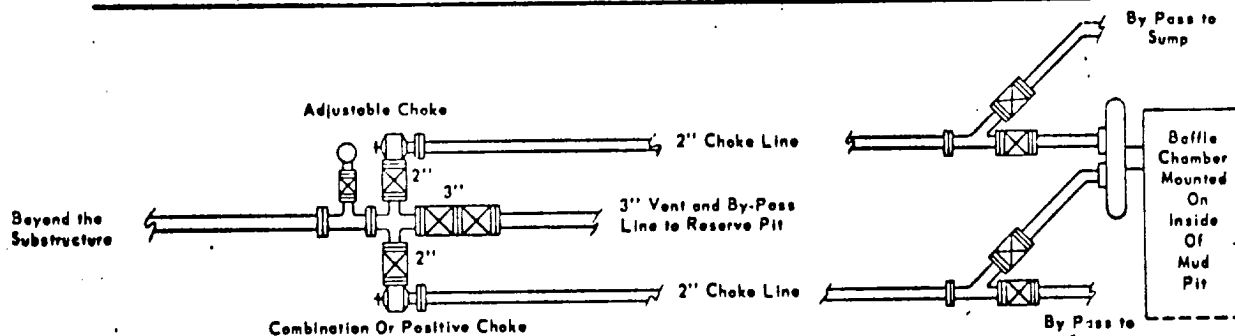
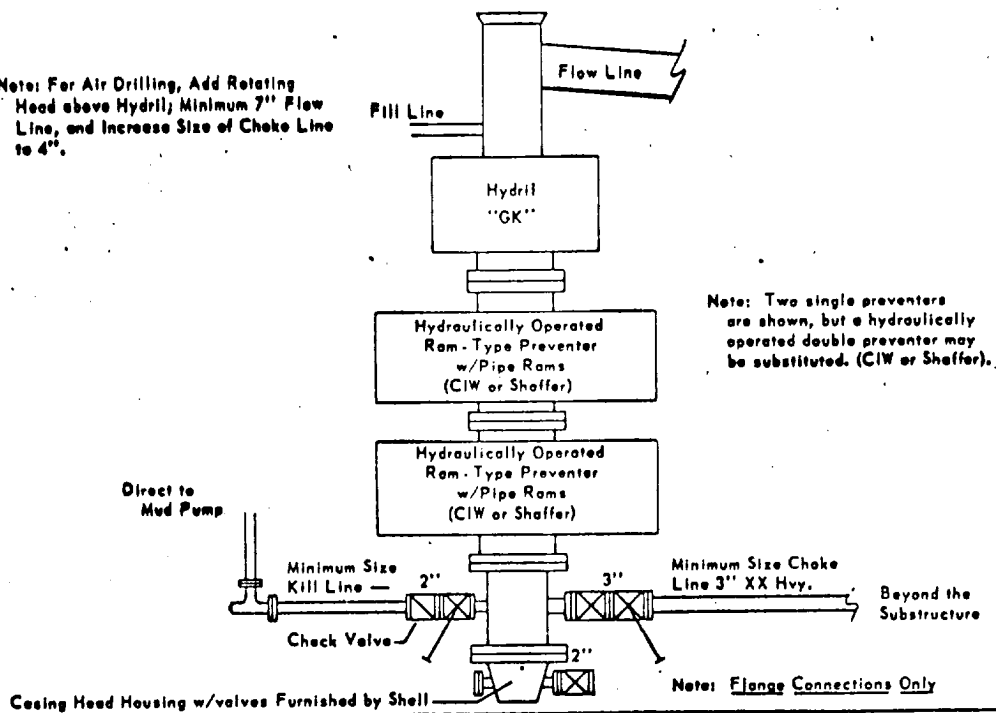
T
19
S

[illegible]

MINIMUM BLOWOUT PREVENTER EQUIPMENT FOR HAZARDOUS INTERMEDIATE PRESSURE SERVICE

Class II (3000 psi WP - Series 900)

Note: For Air Drilling, Add Rotating Head above Hydril; Minimum 7" Flow Line, and Increase Size of Choke Line to 4".



MINIMUM REQUIREMENTS

1. All BOP's, valves, fittings and lines shall have 3000 psi WP (Series 900) ratings.
2. All equipment from the top preventer to the outermost valve or choke shall be pressure tested to 3000 psi.
3. All valves employed must be gate type suitable for high pressure mud service.
4. Outside valves on spool that are 4" or larger shall be hydraulically operated.
5. The Cameron steel ring and a rubber "O" ring shall be required on all BOP Flange connections.
6. Replacement parts for chokes shall be available at rig.
7. All lines shall be securely anchored.
8. Casing wear ring shall be required when the BOP is larger than the nominal casing size.
9. An 80 gallon hydraulic accumulator with an operating pressure of 1500 psi shall be required.
10. Two control points (a master control manifold and a remote control manifold including Hydril regulator valves,) shall be properly equipped and connected to BOP's with steel lines.
11. Inside BOP and Kelly cock shall be provided.
12. BOP's shall have extensions for locking rams.
13. Outside valve on choke line and inside valve on kill line shall have extensions for operating valves.
14. Valve on casing head housing shall be used only in an extreme emergency.
15. Choke and vent line shall be streamlined with no abrupt turns or bends.

RECEIVED

JUN 8 1972

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C.

RECEIVED
JUN 26 1972
FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE