

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

☐ 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

H. L. Brown, Jr.

3. ADDRESS OF OPERATOR

309 Midland Tower, Midland, Texas

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

660 FNL & 1980 FNL of Sec. 17, T-8-S, R-31-E

At proposed prod. zone

Same

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

15 Miles Southeast of Kenna, New Mexico

15. DISTANCE FROM PROPOSED*

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

660

16. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

First Well

19. PROPOSED DEPTH

4000

20. ROTARY OR CABLE TOOLS

Rotary

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

4198.3 GL

22. APPROX. DATE WORK WILL START*

December 10, 1968

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	20#	250	250 sxs.
7-7/8"	4-1/2"	2.5"	4000	200 sxs.

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

M. Baker

TITLE

Petroleum Engineer

DATE

November 25, 1968

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

RECEIVED

APPROVED BY

TITLE

NOV 26 1968

CONDITIONS OF APPROVAL, IF ANY:

J. N. Southland

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.

**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.

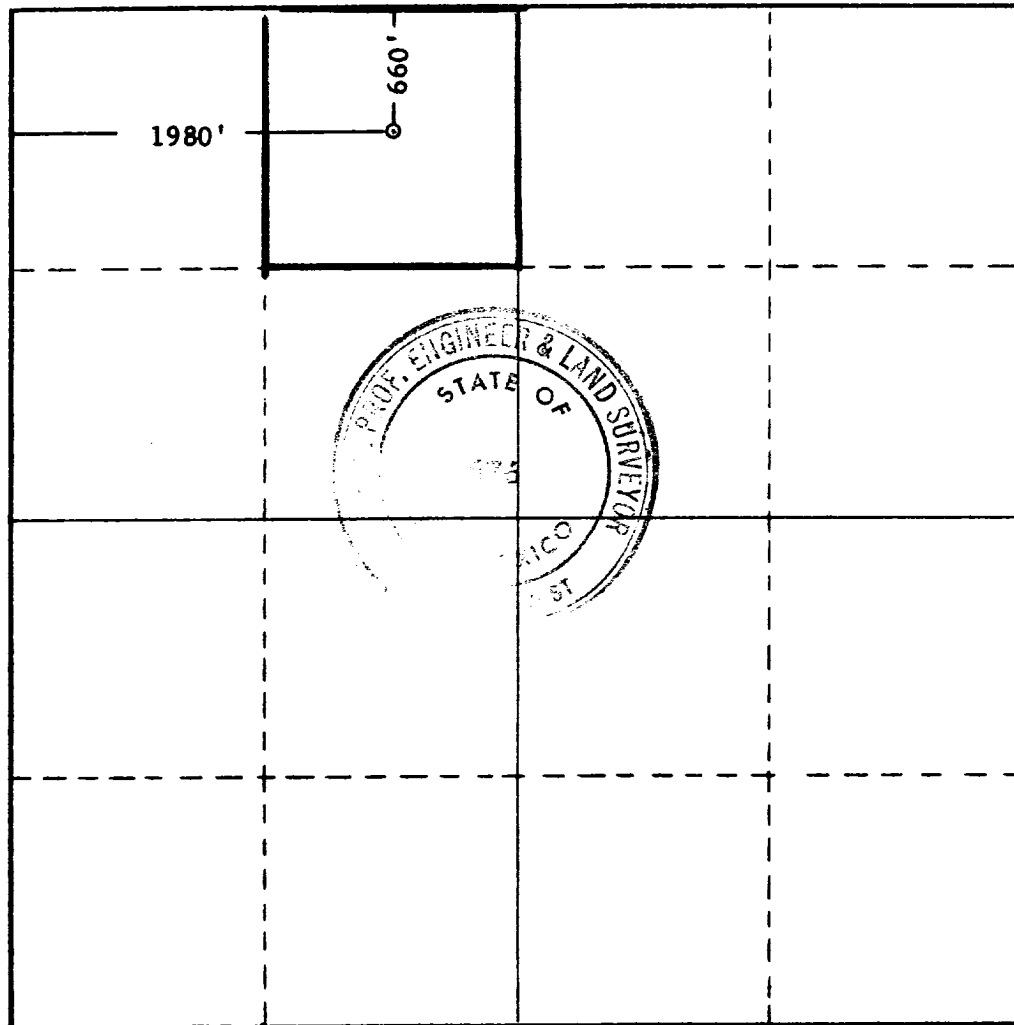
Operator H. L. BROWN, JR.			Lease SHELL 20 FEDERAL		Well No. 1
Unit Letter C	Section 20	Township 8 SOUTH	Range 31 EAST	County CHAVES	
Actual Footage Location of Well: 660 feet from the NORTH line and 1980 feet from the WEST line					
Ground Level Elev. 4198.3	Producing Formation San Andres		Pool Wildcat		Dedicated Acreage: 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.

H. L. Brown, Jr.
 Name
Petroleum Engineer
 Position
H. L. Brown, Jr.
 Company
November 25, 1968
 Date

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
11-21-1968

Registered Professional Engineer and/or Land Surveyor

John W. Lebet
 Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

COUNTY	CHAVES	FIELD	Wildcat	STATE	NM 30-005-20275
OPR	BROWN, H. L., JR.				MAP
	1 Shell "20" Federal				
	Sec 20, T-8-S, R-31-E				CO-ORD
	660' FNL, 1980' FWL of Sec.				
	Spd 12-8-68				CLASS
	Cmp 1-20-69				
CSG & SX - TUBING	FORMATION		DATUM		
8 5/8" at 264' w/250 sx					
4 1/2" at 3818' w/250 sx					
LOGS EL GR RA IND HC A					
	TD 3818'; PBD 3740'				
IP (San Andres) Perf 3680-3730' P 31 BOPD + 29 BW. Pot based on 24 hr test, GOR TSTM					

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CONT.
DATE

PROP DEPTH 4000' TYPE

12-26-68 F.R. 12-19-68; Opr's Elev. 4210' KB
PD 4000' (San Andres)
AMEND SECTION, Formerly reported as Sec 17,
T-8-S, R-31-E

12-23-68 TD 3818'; PBD 3740'; Swbg
Perf @ 3749', 3751', 3753', 3755', 3763',
3764' w/1 SPI
Acid (3749-64') 2250 gals
Swbd 38 BF (50% wtr) in 20 hrs (3749-64').
BP @ 3740'
Perf @ 3680', 3694', 3697', 3701', 3708',
3711', 3712', 3725', 3728', 3730' w/1 SPI
Acid (3680-3730') 5000 gals
Swbd 10 BLO in 10 hrs & Swbd dry

CHAVES
BROWN, H. L., JR.

Wildcat NM Sec 20-T8S-R31E
1 Shell "20" Federal Page 2

1-6-69 TD 3818'; PBD 3740'; Prep Frac
Swbd 12 BF (50-60% wtr) in 7 hrs (3680-3730')
1-13-69 TD 3818'; PBD 3740'; Ppg load
Frac (3680-3730') 15,000 gals 1se crude +
15,000# sd
Ppd 38 BLO + 10 BLW, no time
1-20-69 TD 3818'; PBD 3740'; Ppg load
Ppd 27½ BLO + 30 BW in 24 hrs
1-27-69 TD 3818'; PBD 3740'; WO Pot
Ppd 31 BO + 29 BW in 24 hrs, COR TSEM
3-10-69 TD 3818'; PBD 3740'; WO Pot
3-17-69 TD 3818'; PBD 3740'; COMPLETE
LOG TOPS: Anhydrite 1270', Yates 1804',
San Andres 2972', Pi 3509', First Porosity
3657'

3-17-69 Continued
Completed in Siete Field
3-21-69 COMPLETION REPORTED