



UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
P. O. Box 1157
Hobbs, New Mexico 88240

January 13, 1974

Texas West Oil & Gas Corp.
609 Midland National Bank Building
Midland, Texas 79701

Gentlemen:

Receipt is acknowledged of your Application for Permit to Re-Enter well No. 1 Federal 9 in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 24 S., R. 34 E., Lea County, New Mexico, lease New Mexico 0554252.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations, copy enclosed, and subject to the following conditions:

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. The 9-5/8" casing to be used to tie into the 9-5/8" casing stub in the well at 4,775 feet will be 43.5#, N-80, casing, or better, rather than 40#, K-55 casing.
3. A stage cementing tool placed above the casing bowl will be used to cement the 9-5/8" casing back to the surface.
4. The repaired 9-5/8" casing string must be pressure tested to the satisfaction of the U.S.G.S. representative before drilling any plugs.
5. After repairing 9-5/8" casing and before drilling any plugs, blowout preventers and related control equipment will be pressure tested to rated working pressures by an independent service company, and any equipment failing to test satisfactorily will be repaired or replaced.
6. Pipe rams and the annular-type preventer shall be actuated at lease once each 24 hours and the blind rams each time the drill pipe is out of the hole.
7. Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.

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.

8. Blowout prevention drills shall be conducted as necessary to insure that each drilling crew is properly trained to carry out emergency duties.
9. Mud system monitoring equipment, with derrick floor indicator and visual and audio alarms, will be installed and operating before drilling any plugs and used until production liner is run and cemented.
10. 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.
11. The Hobbs office of the Geological Survey will be notified in sufficient time for a representative to witness all equipment tests, cementing operations and casing tests. The Hobbs office phone is A.C. 505-393-3612. Outside office hours call 393-8244 or 392-5642.
12. A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the well.


Arthur R. Brown
District Engineer

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

~~DRILL~~ ☒ RE-ENTRY DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Texas West Oil & Gas Corporation

3. ADDRESS OF OPERATOR

609 Midland National Bank Building Midland, Texas

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

At surface

660' FNL, 1980' FEL

At proposed prod. zone

Same

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

25 Miles northwest Jal, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

440 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL

320 acres

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH

14,200'

20. ROTARY OR CABLE TOOLS

Rotary

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

3552' GR

22. APPROX. DATE WORK WILL START*

1-17-74

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/2"	9-5/8"	40#	4775'	1300 sacks
8-5/8"	Liner 5-1/2"	26#	12,200' to 14,200'	350 sacks

This application is a re-entry proposal for the old Shell Oil Company's Hall-Federal No. 1 which was plugged and abandoned March 21, 1964. The re-entry will require tying back to the 9-5/8" casing which was shot off @ 4775' w/9-5/8", 40#, K-55, ST&C casing which will be cemented back to the surface w/1300 sacks. The hole will be cleaned out to 14,200' and a 5-1/2" liner set @ this depth and cemented w/350 sacks.

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

Roy K. Valla

Operations Manager

DATE 14 January 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

VERBAL AGREEMENT REQUESTED, CALL COLLECT 915/684-5836

*See Instructions On Reverse Side