

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK RE-ENTER DRILL <input checked="" type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-8492
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR WEST GAS INC.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 3001, 505-4th Ave. S.W., Calgary, Alberta, Canada		8. FARM OR LEASE NAME Navajo Tribal #31
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface Navajo B #1 Shiprock NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 14, Twp. 30N, R18W At proposed prod. zone (540 S/N, 810 W/E) 735/N + 1360/E		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2 $\frac{1}{2}$ Miles N.W. of Shiprock, New Mexico		10. FIELD AND FORM, OR WILDCAT We Penn Unnamed Field (D)
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 540 ft. South		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA 540 S/N, 810 W/E, NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 14, Twp. 30N, R18W
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. On location of previous well 6,700 ft.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4960 GR		22. APPROX. DATE WORK WILL START* March 10, 1974 Sept. 15, 1973
23. PROPOSED CASING AND CEMENTING PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8"	5 1/2"	15.5	6700	

This information not applicable, as existing hole will be re-entered.

1. Remove existing packer from hole. Drill out cement plugs inside 8 5/8" NL CON. COM. casing.
2. Drill out cement plugs to 5630' (Plug #4).
3. Whipstock out of existing hole.
4. Drill to true vertical depth approximately 6700'.
Target estimated 100' S.W. of original well bore. in Binay
5. Log and cement in 5 1/2" casing.

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 [Signature] TITLE President DATE March 10, 1974
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Held 6-104 for NSL