

20-015-26774 file
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 43556
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Hanagan Petroleum Corporation ✓		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1737, Roswell, New Mexico 88202		8. FARM OR LEASE NAME UNOCAL-HPC FEDERAL
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface 1650' FNL & 1980' FEL At proposed prod. zone		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 37 miles northeast of Loving, New Mexico		10. FIELD AND POOL, OR WILDCAT Livingston Ridge Del.
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 1 - T22S - R31E
16. NO. OF ACRES IN LEASE 159.81		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 40 acres		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3575.6 GR		22. APPROX. DATE WORK WILL START July 1, 1991

PROPOSED CASING AND CEMENTING PROGRAM Secretary's Potash / A-111-P Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.50#	750'	circulated - 800 sacks
11"	8 5/8"	32.00#	4,500'	circulated - 2000 sacks
7 7/8"	5 1/2"	17# & 20#	TD	Adequate to cover zone (tie back)

Hanagan Petroleum Corporation proposes to drill and test the Delaware Formation. Approximately 750' of surface casing will be set with cement circulated to the surface. Approximately 4500' of intermediate casing will be set and cement will be circulated to the surface. Should commercial production be indicated, production casing will be run and cemented with adequate cover to isolate and protect, perforation and stimulation as needed.

See Attached Supplemental Drilling Data for further information.

Post ID-1
6-28-91
New loc & API

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 Michael B. Hagg TITLE ASST. Vice President DATE 5/20/91
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Chief, Bureau of Land Management TITLE Chief, Bureau of Land Management DATE 6-20-91

CONDITIONS OF APPROVAL, IF ANY:
APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.