

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM - 20313	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
2. NAME OF OPERATOR Mountain Fuel Supply Company		7. UNIT AGREEMENT NAME -	
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		8. FARM OR LEASE NAME Fruitland	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 890' FNL, 790' FEL NE NE At proposed prod. zone		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles east of Shiprock, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat <i>Pre Cambrian</i>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 430'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE NE 28-30N-14W, NMPM	
16. NO. OF ACRES IN LEASE 1120		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL -		13. STATE New Mexico	
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.) GR 5572' as graded		22. APPROX. DATE WORK WILL START* Nov. 20, 1976	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" New	54.5# K-55	300'	362 sx w/3% CaCl
11"	8-5/8" New	36# L-80	6000'	Undetermined sx w/CFR-2
7-5/8"	5-1/2" New	20 & 23#, L-80 & Soo-90	TD	" w/CFR-2, HR-4, SSA-1, 3% salt

We would like to drill the subject well to an estimated depth of 12,550', anticipated formation tops are as follows: Kirtland at the surface, Fruitland 510', Pictured Cliffs 1100', Lewis 1300', Cliffhouse 2670', Menefee 2835', Point Lookout 3545', Upper Mancos 3915', Gallup 4840', Lower Mancos 5240', Greenhorn 5580', Graneros 5640', Dakota 5690', Morrison 5980', Bluff 6670', Summerville 6805', Todilto 6875', Entrada 6900', Chinle 7050', Mossback Member 8000', Monitor Butte Member 8130', Shinarump 8265', DeChelly 8310', Cutler 8390', Honaker Trail 9980', Paradox 10,440', Ismay Zone 10,840', Desert Creek Zone 11,050', Akah Zone 11,180', Barker Creek Zone 11,405', Molas 11,985', Mississippian 12,100', Devonian 12,300', Precambrian 12,490'. Mud will be adequate to contain formation fluids & blowout preventers will be checked daily & pressure tested after each string of casing is set, expect oil/gas at 510-1300', 2670-3915', 4840-5240', 5690-5980', 10,840-11,985' & 12,100-12,300', no cores, 15 DST's, logging unit from 0' to TD, about 50 days drilling time, no abnormal pressures, temperatures, or H₂S expected, run DIL, BHC Sonic GR & FDC/CNL logs. NMERB: Gas not dedicated at this time.

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. Original Signed R. G. MYERS Manager, Drilling and Petroleum Engineering
SIGNED R. G. MYERS TITLE Manager, Drilling and Petroleum Engineering DATE Nov. 11, 1976

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY: *afear*

RECEIVED

NOV 15 1976

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

*See Instructions On Reverse Side

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.