

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS. COMMISSION 30-015-27746  
DRAWER DD  
ARTESIA, NM 88210  
Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-76988	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Snow Oil & Gas, Inc. ✓ (915) 524-2371			7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 1277 Andrews, TX 79714			8. FARMOR LEASE NAME, WELL NO. Duffield Federal Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1880' FNL & 2230' FEL At proposed prod. zone Same			9. API WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 19 road miles NE of Artesia, NM			10. FIELD AND POOL, OR WILDCAT Duffield Penn	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 560'		16. NO. OF ACRES IN LEASE 440		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 (120)
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1778'		19. PROPOSED DEPTH 8700'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3597' GL			22. APPROX. DATE WORK WILL START* December 1, 1993	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" K-55	24#	1400'	Circ. 900 sx "C"
7 7/8"	5 1/2" J-55	15.5 & 17#	8700'	600 sx "H" back to 4000'

(600' above uppermost fluid bearing formation)

Mud Program:	Mud Wt.	Vis.	W/L Control
0' - 1400': Fresh water w/Gel-Lime:	8.5-9.0 ppg	32-34	No W/L control
1400' - 7700': Fresh water W/Lime:	8.6-8.8 ppg	28-29	No W/L control
7700' - 8700': Fresh water Bentonite Gel:	8.7-8.9 ppg	31-32	W/L control <15cc

BOP Program:

A 10" 3000 psi wp Shaffer Series 900 BOP will installed on the 8 5/8" casing. Casing and BOP will be tested before drilling out with 7 7/8". BOP will be tested daily.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 George Smith Agent for: Snow Oil & Gas, Inc. DATE Oct. 14, 1993

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVED BY S/ Scott Powers TITLE AREA MANAGER DATE 11-2-93

\*See Instructions On Reverse Side