

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 0487738	
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 RECEIVED	
2. NAME OF OPERATOR Yates Petroleum Corporation		7. UNIT AGREEMENT NAME FEB 03 1981	
3. ADDRESS OF OPERATOR 207 S. 4th Street, Artesia, NM 88210		8. FARM OR LEASE NAME Federal AB <i>C.O.C.D.</i>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 660' FWL At proposed prod. zone same		9. WELL NO. 7 ARTESIA, OFFICE	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Approx. 8.5 miles SW of Artesia		10. FIELD AND POOL, OR WILDCAT Richard Knob - Atoka Morrow	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA U L E Sec. 9-T18S-R25E	
16. NO. OF ACRES IN LEASE 1200		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 8650'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3573 GL		22. APPROX. DATE WORK WILL START* As soon as approved	

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"	48# H-40	approx. 360'	320 sx circulate
12 1/4"	8 5/8"	24# J or K-55	approx. 1160'	650 sx circulate
7 7/8"	4 1/2 or 5 1/2"	15.5-17# K-55	approx. 8650'	400 sx.
		10.5-11.6# K-55		

We propose to drill and test the Morrow and intermediate formations. Approx. 360' of surface casing will be set to shut off gravel and cavings, and intermediate casing will be set 100' below the Artesian Water Zone. If commercial will run 4 1/2" or 5 1/2" with 600' cement cover, will perforate and stimulate as needed for production.

MUD PROGRAM: F.W. Gel and LCM to 1160, fresh water to 4000', 2% KCL water to 6300', starch-driskak-KCL to 7800', Flosal-Driskak-KCL to TD.

BOP PROGRAM: BOP's and hydril will be installed on the 8 5/8" casing and tested.

GAS NOT DEDICATED.

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 Regulatory Coordinator DATE 12-29-80
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY GEORGE H. STEWART TITLE REGISTRAR DATE FEB 03 1981
CONDITIONS OF APPROVAL, IF ANY:

~~ORDER~~ ORDER # R-6567
NSH-

INSP

1-7-81

CR