

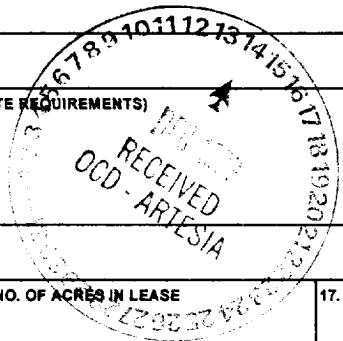
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

109

109

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. NMS4183	
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 HARVEY E. YATES COMPANY		7. UNIT AGREEMENT NAME LYNX 19 FED COM	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 1933, ROSWELL, NEW MEXICO 88202 505-623-6601		8. FARM OR LEASE NAME, WELL NO. #1 25145	
4. LOCATION OF WELL (REPORT LOCATION CLEARLY AND IN ACCORDANCE WITH ANY STATE REQUIREMENTS) AT SURFACE 1680' FNL & 1980' FEL		9. API WELL NO. 30-015-30841	
AT PROPOSED PROD. ZONE SAME Unit G		10. FIELD AND POOL, OR WILDCAT NORTH TURKEY TRACK MORROW	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 10 MILES SE OF LOCO HILLS, NM		11. SEC., T., R., M., OR BLK AND SURVEY OR AREA SEC 19, T18S, R29E 86500	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1680'		12. COUNTY OR PARISH EDDY	
16. NO. OF ACRES IN LEASE 302.75		13. STATE NM	
17. NO. OF ACRES ASSIGNED TO THIS WELL 302.75			
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 690'		20. ROTARY OR CABLE TOOLS ROTARY	
19. PROPOSED DEPTH 11250		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3564	
22. APPROX. DATE WORK WILL START ASAP			



23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WT PER FT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H-40	48# ST&C 8RD	300	325 SX "C" w/ 2% CACL & 1/4# FLOSEAL
12 1/4"	8 5/8" J-55	32# ST&C 8RD	3200	200 SX "C" w/ 2% CACL & 1/4# FLOSEAL 1200 SX FILLER *
7 7/8"	5 1/2" J-55/N80	17# LT&C 8RD	11250	1100 SX LEAD & 400 SX TAIL **

ALL CASING WILL BE NEW, OR USED MEETING BLM SPECS.
CEMENT WILL BE CIRCULATED ON 13 3/8" AND 8 5/8" CASING.
CEMENT QUANTITIES AND ADDITIVES ARE SUBJECT TO CHANGE DUE TO HOLE CONDITIONS.
* FILLER CEMENT 35/65 "C" POZ w/ 6% GEL, 5# SALT, & 1/4# FLOSEAL
** LEAD: 1100 SX "H" POZ w/ 2% GEL & 5# SALT PER SACK
TAIL: 500 SX "H" w/ 3% KCL, .5% FLUID LOSS, .3% DISPERSANT, 1% BONDING AGENT, .3% RETARDER, & .2% SODIUM METASILICATE PER SACK

Post ID-1
12-17-99
APR 4 Loc

PROPOSED MUD PROGRAM	
0-300	FRESH WATER w/ PAPER & SHALE GUARD. MW-9.0 VIS-31
400-3200	BRINE WATER w/ PAPER & SHALE GUARD. MW-10.0 VIS-31
3,200-8,300	FRESH WATER w/ PAPER, SHALE GUARD, & AMMONIA NITRATE. 18-20,000 CHLORIDES. MW-8.6 VIS-29
8,300-11,250	MUD UP WITH FLOZAN, 80,000 CHLORIDES MW-9.2-9.8 VIS-33

MUD PROGRAM SUBJECT TO CHANGE DUE TO HOLE CONDITIONS

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 Bob Williams Bob Williams TITLE Drilling Superintendent DATE 11-9-99

(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:

APPROVED BY _____ TITLE Assistant Field Office Manager, Lands and Minerals DATE DEC 13 1999

TITLE 18 U.S.C. SECTION 1001, MAKES IT A CRIME FOR ANY PERSONS 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

