

N. M. OIL & GAS
ARTESIA, NEW MEXICO

01/95

Form 3160-3 (July 1992)
Harvey E. Yates Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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-68040
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTEE OR TRIBE NAME
2. NAME OF OPERATOR HARVEY E. YATES COMPANY		7. UNIT AGREEMENT NAME PARKER DEEP 5 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
4. LOCATION OF WELL (REPORT LOCATION CLEARLY AND IN ACCORDANCE WITH ANY STATE REQUIREMENTS) AT SURFACE 1850' FSL & 660' FWL		9. API WELL NO. 30-CIS-31040
AT PROPOSED PROD. ZONE SAME		10. FIELD AND POOL, OR WILDCAT SHUGART MORROW NORTH
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 10 MILES SOUTHEAST OF LOCO HILLS NM		11. SEC., T., R., M., OR BLK AND SURVEY OR AREA SEC 5, T18S, R31E
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'		12. COUNTY OR PARISH EDDY
16. NO. OF ACRES IN LEASE		13. STATE NM
17. NO. OF ACRES ASSIGNED TO THIS WELL		
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 330'		19. PROPOSED DEPTH 11,900
20. ROTARY OR CABLE TOOLS ROTARY		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3670
22. APPROX. DATE WORK WILL START 1-Apr-00		

RECEIVED
OCD - ARTESIA
10111213141516171819

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	* 700'	200 SX "C" w/ 2% CACL & 1/4# FLOSEAL
12 1/4"	8 5/8" J-55	32# ST&C 8RD	4450	200 SX "C" w/ 2% CACL & 1/4# FLOSEAL 1500 SX FILLER *
7 7/8"	5 1/2" J-55	17/20# LT&C 8RD	11900	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

* OK PER BOB WILLIAMS-HEYCO - 03/6/00

PROPOSED MUD PROGRAM	
0-350	FRESH WATER w/ PAPER & SHALE GUARD. MW-9.0 VIS-31
400-4450	BRINE WATER w/ PAPER & SHALE GUARD. MW-10.0 VIS-31
3100-8800	FRESH WATER w/ PAPER, SHALE GUARD, & AMMONIA NITRATE. 18-20,000 CHLORIDES. MW-8.6 VIS-29
8800-11,900	MUD UP WITH FLOZAN, 30,000 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 2/13/00

(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:
Acting Assistant Field Manager,
Lands And Minerals

APPROVED BY _____ TITLE _____ DATE _____

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

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

2000

12

[REDACTED]

IT IS THE POLICY OF THE BUREAU OF LAND MANAGEMENT

RECEIVED
2000 FEB 18 A 11: 09
BUREAU OF LAND MGMT.
ROSWELL OFFICE