

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N. M. Oil Cons. Div.  
3101 ST.  
ALBUQUERQUE, NM 87106-2034

5. LEASE DESIGNATION AND SERIAL NO.  
NM68040

015P

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒ DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

HARVEY E. YATES COMPANY  
P.O. BOX 1933, ROSWELL, NEW MEXICO 88202 505-623-6601

3. ADDRESS AND TELEPHONE NO.  
P.O. BOX 1933, ROSWELL, NEW MEXICO 88202 505-623-6601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY AND IN ACCORDANCE WITH ANY STATE REQUIREMENTS)  
AT SURFACE 1310' FSL & 1330' FWL  
AT PROPOSED PROD. ZONE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
APPROXIMATELY 10 MILES SOUTH OF LOCO HILLS, NEW MEXICO

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 1310'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 600'

19. PROPOSED DEPTH

8500

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether OF, RT, GR, etc.)

3697.5

APPROX. DATE WORK WILL START  
ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

CAPTAN CONTROLLED WATER BASIN

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	400	425 SX "C" w/ 2% CACL & 1/4# FLOSEAL
12 1/4"	8 5/8" J-55	32# ST&C 8RD	2000	200 SX "C" w/ 2% CACL & 1/4# FLOSEAL 1200#
7 7/8"	5 1/2" J-55	17# LT&C 8RD	8500	1100 SX LEAD & 500 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

PROPOSED MUD PROGRAM

0-400	FRESH WATER w/ PAPER & SHALE GUARD. MW-9.0 VIS-31
400-2000	BRINE WATER w/ PAPER & SHALE GUARD. MW-10.0 VIS-31
3100-9100	FRESH WATER w/ PAPER, SHALE GUARD, & AMMONIA NITRATE. 28-30,000 CHLORIDES. MW-8.6 VIS-29

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 January 14, 1997

(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 (ORIG. SGT. TONY L. FERGUSON) TITLE ADM. MINERALS DATE 2-27-97

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

SUBJECT TO  
LIKE APPROVAL  
BY STATE  
FOR UNORTHODOX LOCATION

Posted ID-1  
NL & API  
3-14-97

WITNESS  
WITNESS

NSL-37

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29416	Pool Code 56405	Pool Name Shugart Bone Spring, North
Property Code	Property Name PARKER "5" FEDERAL	Well Number 5
OGRID No. 010179	Operator Name HARVEY E. YATES COMPANY	Elevation 3698

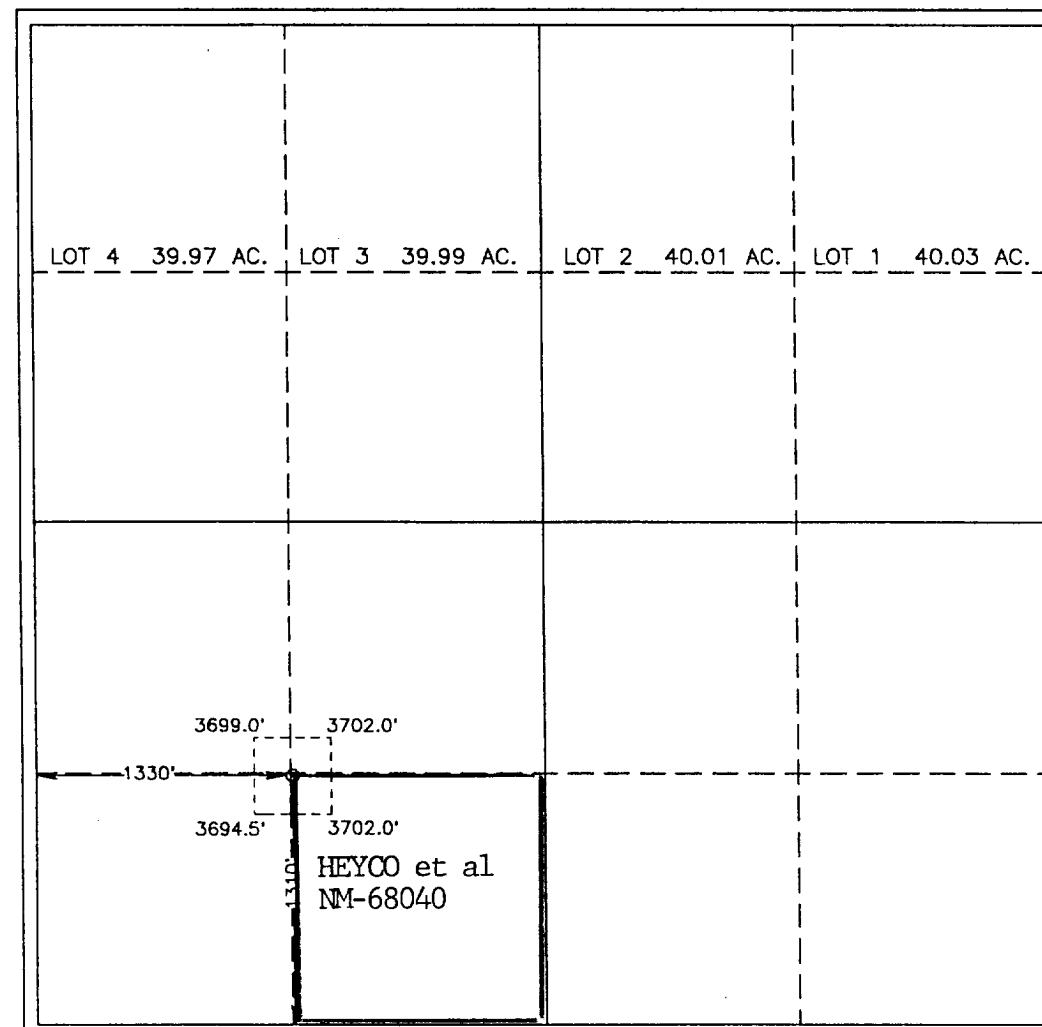
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	5	18 S	31 E		1310	SOUTH	1330	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4 39.97 AC.	LOT 3 39.99 AC.	LOT 2 40.01 AC.	LOT 1 40.03 AC.
			
HEYCO et al NM-68040			

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Bob Williams  
Signature

Bob Williams  
Printed Name

Drilling Superintendent  
Title

1/21/97  
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

JANUARY 16, 1997

Date Surveyed JLP

Signature & Seal of Professional Surveyor

Ronald J. Eidson 1-17-97  
W.D. Num. 97-11-0075

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239  
GARY G. EIDSON, 12641

Harvey E. Yates Company  
Parker 5 Federal #5  
1310' FSL & 1330' FWL  
Sec. 5, T18S, R31E  
Eddy Co., N.M.

**EXHIBIT C' BOP STACK**  
**900 SERIES**  
**RATED @ 5,000 PSI**

