

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101

May 27, 2004

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Forest Oil Corporation 707 17 th Street, Suite 3600, Denver, Co 80202		² OGRID Number 8041
³ Property Code 20301 33553	⁴ Property Name Lea 4011 State	⁵ API Number 30-025-20173
⁹ Proposed Pool 1 Wildcat Vacuum McKee (Gas)		¹⁰ Proposed Pool 2 1

⁷ 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	8	18S	35E		330	South	1650	West	Lea

⁸ Proposed 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

Additional Well Information

¹¹ Work Type Code D	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3939
¹⁶ Multiple NO	¹⁷ Proposed Depth 13,600'	¹⁸ Formation McKee	¹⁹ Contractor	²⁰ Spud Date 11-15-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe

Well Status (TA):

Csg: 13-3/8" @ 415'
 9-5/8" @ 4000'
 7", 23# & 26# @ 12,000'

TD: 12,000'

PBSD: 5560' (CIBP)

Fluid: Field saltwater (FSW)

See attached Procedure.

the blowout prevention program, if any. Use additional sheets if necessary.

Permit Expires 1 Year From Approval
 Date Unless Drilling Underway
 Deepen



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD approved plan ☐.

Printed name: Cindy Bush

Title: Sr. Regulatory Tech

E-mail Address: cabush@forestoil.com

Date: 9-30-05

Phone: 303-812-1554

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

PETROLEUM ENGINEER
 OCT 12 2005

Expiration Date:

Conditions of Approval Attached ☐

Proposed Procedure:

- 1) Prepare location for rotary tools & dig reserve pit.
- 2) MIRU rotary tools; NU BOPE & test same.
- 3) PU 6" bit, 4-3/4" DC's & 3-1/2" drill pipe; TIH to CIBP @ 5560'.
- 4) Circulate 8.9 ppg FSW; POOH.
- 5) MU 7", 23-26# retrievable squeeze tool & TIH to ~5300'. Set tool & squeeze perfs: 5447-64'; POOH & WOC.
- 6) MU bit & BHA; TIH & drill cmt below perfs to ~5475'; test squeeze w/ 770 psi (11.6 ppg EMW). Re-squeeze if necessary.
- 7) Continue drill cement & CIBP @ 5560'; RIH picking up DP to CIBP @ 11,540'.
- 8) C & C fluid; test csg & open perfs w/ 770 psi (10.7 ppg EMW @ mid-perf 8211' & 10.2 ppg @ mid-perf 11,509').
- 9) **Note:** Plan to set retrievable BP @ ~8300' & squeeze perfs: 8163'-8258'; these will likely not hold the 10.7 ppg EMW due to depletion. (SQ, WOC, drill out & test squeeze).
- 10) Drill CIBP @ 11,540' & wash to TOF @ ~11,870'; re-test csg & open perfs w/ 770 psi.
- 11) TOOH; PU fishing assembly (OS w/ ext to catch pkr).
- 12) TIH; washover & latch fish; TOOH & LD fish.
- 13) MU bit & BHA; TIH & drill cmt & 10' of new formation to 12,010'.
- 14) C & C fluid; test shoe & formation w/ 770 psi (10.1 ppg EMW).
- 15) RU mud loggers & drill to 13,600'; C & C fluid. TOOH for logs.
- 16) RU & run Schlum Plt Express w/ HRLA from TD to 12,000' (7" csg shoe)
- 17) TIH, C & C fluid to run csg or P&A.

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-20173	² Pool Code 97368 ✓	³ Pool Name Wildcat McKee (Gas)
⁴ Property Code 2000T 33553	⁵ Property Name Lea 4011 State	⁶ Well Number 1
⁷ OGRID No. 8041	⁸ Operator Name Forest Oil Corporation	⁹ Elevation 3939'


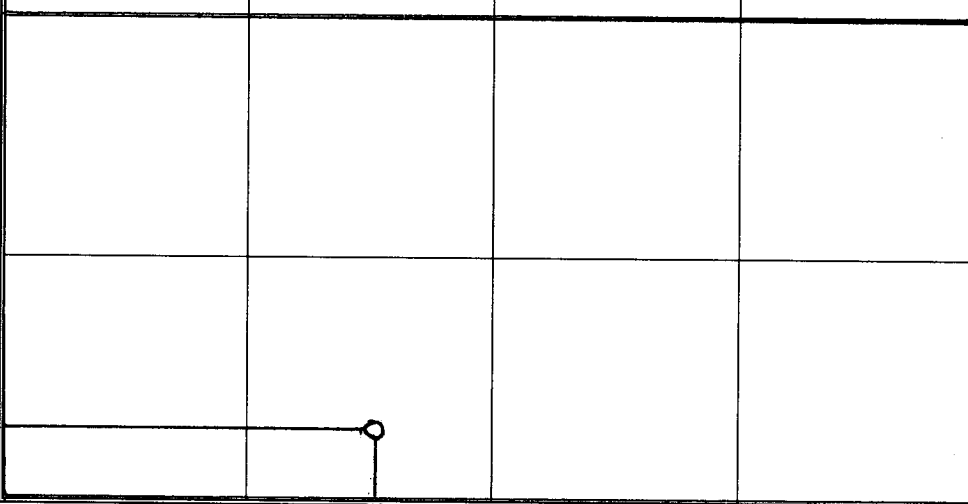
¹⁰ Surface Location

UL or lot no. N	Section 8	Township 18S	Range 35 E	Lot Idn	Feet from the 330	North/South line South	Feet from the 1650	East/West line West	County Lea
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¹¹ 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
¹² Dedicated Acres 320	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ 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

¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature			
	Cindy Bush Printed Name			
	Sr. Regulatory Tech/cabush@forestoil.com Title and E-mail Address			
	9-30-05 Date			
	¹⁸ 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.			
	Date of Survey			
	Signature and Seal of Professional Surveyor:			
	Certificate Number			