

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 Kaiser-Francis Oil Company		² OGRID Number 012361 ✓
		³ API Number 30 - 025-24771
³ Property Code 36436	³ Property Name North Bell Lake Unit 4	⁶ Well No. 15
⁹ Proposed Pool 1 Wildcat Su/d: Delaware		¹⁰ Proposed Pool 2

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
K	8	23S	34E	-	1980	South	1980	West	Lea

8 Proposed Bottom Hole Location If Different From Surface n/a

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code IS	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3445 GR
¹⁶ Multiple N	¹⁷ Proposed Depth 13589	¹⁸ Formation Delaware	¹⁹ Contractor Unknown	²⁰ Spud Date 10/9/74
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
20	16	65	500	500	Surf
14 3/4	10 3/4	45.5	4750	2600	Surf
9 1/2	7 5/8	39	11900	1490	Unk.
6 1/2	5" liner	18	11786 - 13483	260	11786

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

See attached proposed procedure to re-enter.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Re-Entry

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: **Charlotte Van Valkenburg**
Title: **Technical Coordinator**
E-mail Address: **Charlotv@KFOC.net**
Date: **3/29/07** Phone: **918-491-4314**

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title:

Approval Date: **APR 03 2007** Expiration Date: _____
TRICK SUPERVISOR/GENERAL MANAGER

"CONDITION FOR APPROVAL" Approval
for Re-Entry, CANNOT dispose into the wellbore
without a Saltwater Disposal order approved by
the Santa Fe OCD Office.

NORTH BELL LAKE 4-15
8-23S-34E
LEA CO., NEW MEXICO

PROPOSED WORKOVER

RE-ENTER/CONVERT TO SWD

CASING/CEMENT PLUG INFORMATION:

- 16" at 550' w/500 sxs – TOC at surface
10 sx cement plug 0' – 55'
- 10 3/4" 45.5# at 4773' w/2600 sxs – TOC at surface
30 sx cement plug 1400' – 1560'
30 sx cement plug 4700' – 4860'
- 7 5/8" 33.7/39# at 11,900' w/1490 sxs – TOC unknown
Cement retainer at 8450'
Bone Springs Perfs 8490'-8609' Sqz'd 150 sxs
- 5" 18# Liner at 13,483' w/260 sxs
TOL at 11,786'
50 sxs cement plug at 11,600' – 11,888'
Retainer at 13,000'
Morrow Perfs 13,303' – 13' Sqz'd w/100 sxs

PROPOSED WORKOVER PROCEDURE:

- Locate well.
- MIRU. Install 5000# BOP. GIH w/Bit and drill out cement plugs at 0'-55'; 1400'-1560'; and 4700'-4860'.
- Continue in hole and tag cement on top of retainer at 8450'. Circulate clean w/KCL wtr
- POOH.
- GIH Run CBL/GR/CCL log from PBTD to 200' above TOC.
- Based on TOC, prepare to sqz over SWD zone as directed.
- Drill out squeeze cement. Test. POOH w/tbg and bit
- Run CBL.
- Perforate: 5060'-90'; 5130'-5210'; 5230'-40; 5610'-30'; 5745'-55'; 5820'-50'; 5925'-30'; 6100'-6120'; 6170'-80'; 6200'-02'; 6220'-25'; 6260'-70'; 6300'-20'; 6365'-80'; 6400'-20'; 6520'-30' (2spf)
- GIH w/packer on tubing and establish injection rate.
- Acidize as needed.
- POOH w/tbg and packer.
- RIH w/2 7/8" plastic coated injection tubing and packer. Set Packer at 5000'.
- Hook up to SWD system.

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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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 025-24771		Pool Code	Pool Name SWD - Delaware
Property Code	Property Name North Bell Lake Unit 4		Well Number 15
OGRID No. 012361	Operator Name Kaiser-Francis Oil Company		Elevation 3445 GR

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	8	23S	34E	-	1980	South	1980	West	Lea

11 Bottom Hole Location If Different From Surface n/a

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 No	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.

	17 OPERATOR CERTIFICATION I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered into by this division. Date: 4/3/07 Printed Name: Charlotte Van Valkenburg Title: Technical Coordinator	
	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:	