

RECEIVED

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

DEC 26 2008
Form O-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 Property Code 36436	⁵ Property Name North Bell Lake Unit 4	⁴ API Number 30 - 025-24771
⁹ Proposed Pool 1 SWD : Delaware		⁶ Well No. 15
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

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 E	¹² Well Type Code S	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3445
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	Unknown
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.

Division Order SWD-1084 (extended until May 17, 2009).

**Permit Expires 2 Years 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 NMOC 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: **12/23/08**

Phone: **918-491-4314**

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date:

JAN 16 2009

Expiration Date:

Conditions of Approval Attached ☐

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.



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



August 27, 2008

Mr. J. Scott Hall, Esq.
Montgomery & Andrews
Attorney for Kaiser-Francis Oil Company
PO Box 2307
Santa Fe, NM 87504-2307

Re: Division Order SWD-1084

North Bell Lake Unit 4 Well No. 15 (API No. 30-025-24771)
1980 FSL, 1980 FWL (Unit K), Section 8, T23S, R34E, NMPM, Lea County
Injection into the Upper Delaware Formation from 5060 to 6550 feet

You have submitted a request on behalf of Kaiser-Francis for an extension of this injection permit beyond the one year deadline to commence injection for the reasons outlined in the attached correspondence.

The Division finds that granting this request to extend this injection permit beyond the normal one year is in the interest of conservation and will prevent waste and protect the environment.

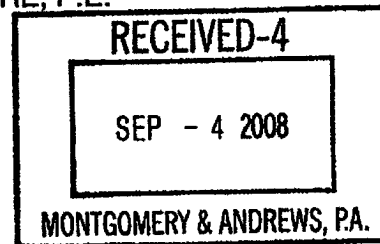
All requirements of the above referenced injection permit remain in full force and effect except that the deadline to commence injection is hereby extended until May 17, 2009.

Sincerely,



MARK E. FESMIRE, P.E.
Director

cc: Oil Conservation Division – Hobbs
File: SWD-1084



Oil Conservation Division * 1220 South St. Francis Drive

* Santa Fe, New Mexico 87505

* Phone: (505) 476-3440 * Fax (505) 476-3462* <http://www.emnrd.state.nm.us>



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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

¹ API Number 025-24771		² Pool Code	³ Pool Name SWD: Delaware
⁴ Property Code 36436	⁵ Property Name North Bell Lake Unit 4		⁶ Well Number 15
⁷ OGRID No. 012361	⁸ Operator Name Kaiser-Francis Oil Company		⁹ Elevation 3445' GR

¹⁰ Surface Location

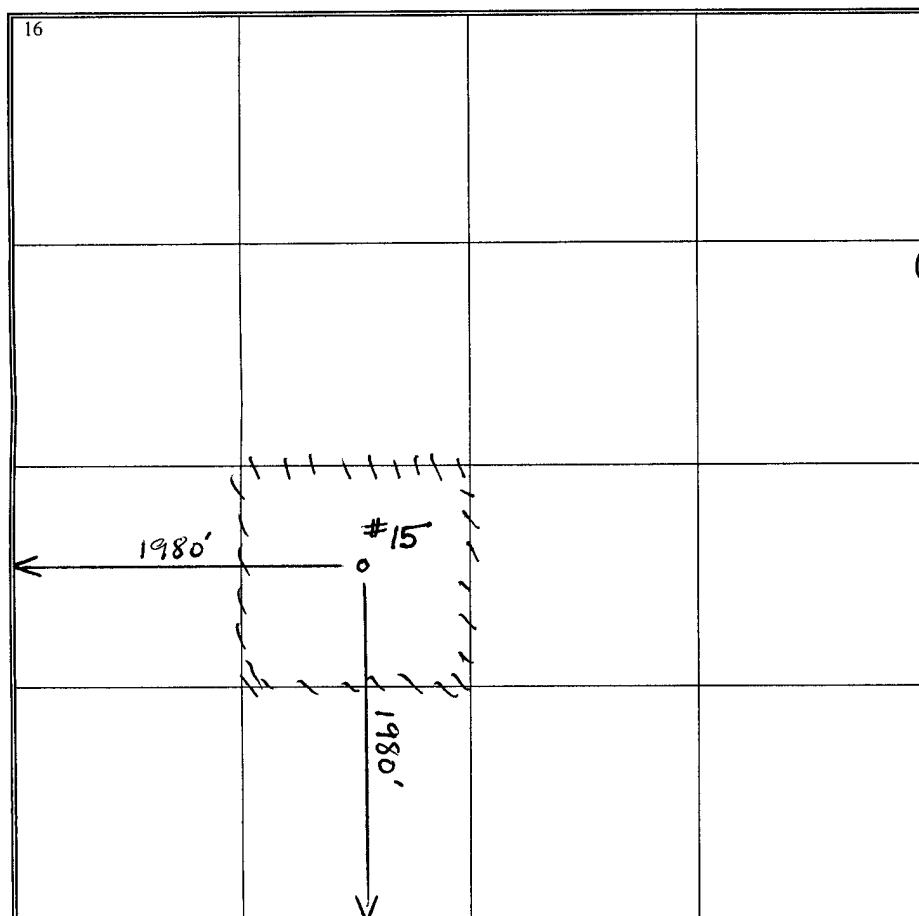
UL or lot no. K	Section 8	Township 23S	Range 34E	Lot Idn -	Feet from the 1980	North/South line South	Feet from the 1980	East/West line West	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill No	¹⁴ Consolidation Code -	¹⁵ Order No. -
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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.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased 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 by the division</p> <p>Signature: <i>Charlotte Van Valkenburg</i> Date: 12/23/08</p> <p>Charlotte Van Valkenburg</p> <p>Printed Name</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p>
	<p>Certificate Number</p>