

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 229819

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

1. Operator Name and Address KAISER-FRANCIS OIL CO 6733 S Yale Ave Tulsa, OK, OK 74136		2. OGRID Number 12361
		3. API Number 30-015-43992
4. Property Code 317154	5. Property Name Willow Lake WC 15	6. Well No. 002H

7. Surface Location

UL - Lot I	Section 15	Township 24S	Range 28E	Lot Idn	Feet From 1965	N/S Line S	Feet From 120	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot L	Section 15	Township 24S	Range 28E	Lot Idn L	Feet From 1650	N/S Line S	Feet From 280	E/W Line W	County Eddy
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9. Pool Information

CULEBRA BLUFF; WOLFCAMP, SOUTH (GAS)	0
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2990
16. Multiple N	17. Proposed Depth 15470	18. Formation Wolfcamp	19. Contractor	20. Spud Date 5/1/2017
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	500	547	0
Int1	12.25	9.625	36	2700	898	0
Int2	8.75	7	26	11070	701	2000
Prod	6.125	4.5	13.5	15470	522	10200

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Cameron
Pipe	10000	10000	Cameron
Pipe	10000	10000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable. Signature: _____ Printed Name: Electronically filed by Robert Major Title: Manager Email Address: kristing@kfoc.net Date: 12/14/2016	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 12/15/2016 Expiration Date: 12/15/2018 Conditions of Approval Attached
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1625 N. Fremont Dr., Hobbs, NM 88240
Phone: (505) 340-6161 Fax: (505) 340-6120

DISTRICT II

STT St. Peter St., Annapolis, MD 20710
Phone: (301) 744-1283 Fax: (301) 744-4136

ABSTRACT

1999-2000: 114-61 (S. Pass: 114-61)
2000-2001: 114-61 (S. Pass: 114-61)

DISTRICT IV

1230 So. St. Francis Ave., Santa Fe, N.M. 87505
Phone: (505) 431-4800 Fax: (505) 431-4802

Form C-102

Received August 1, 2011

Submit one copy to appropriate

District Office

► A MENDED REPORT

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name WILLOW LAKE WC 15	Well Number 2H
CGRID No.	Operator Name KAISER-FRANCIS OIL COMPANY	Elevation 2990'

Summary of the Literature

U.L. or lot No.	Section	Township	Range	Lot 34th	East from the	North-South line	East from the	East-West line	County
I	13	24-S	20-E		1963	SOUTH	120	EAST	EDDY

Human Hole Location If Different From Surface

U.L. or lot No.	Section	Township	Range	Lot 4th	Feet from the	North-South line	Feet from the	East-West line	County
L	15	24-S	28-E		1650	SOUTH	280	WEST	EDDY

Dedicated Across	Join or Infill	Consolidation Code	Order No.

NOT ALL STAFF ARE WILLING TO ASSIGNED TO THEM. CONSIDERATION MUST BE GIVEN TO THE FACT THAT THE STAFF ARE NOT ALL THE SAME. THE STAFF ARE NOT ALL THE SAME. THE STAFF ARE NOT ALL THE SAME.

BOTTOM HOLE LOCATION
 NAD 27 NME
 Y= 442085.9 N
 X= 577502.6 E
 LAT.=32.215163° N
 LONG.=104.082740° W

TAKE POINT
 NAD 27 NME
 Y= 442096.7 N
 X= 582172.1 E
 LAT.=32.215162° N
 LONG.=104.067638° W

GEODETIC COORDINATES
 NAD 27 NME
 SURFACE LOCATION
 Y= 442412.1 N
 X= 582382.1 E
 LAT.=32.216027° N
 LONG.=104.066954° W

BOTTOM HOLE LOCATION
 NAD 83 NME
 Y= 442144.5 N
 X= 618684.1 E
 LAT.=32.215284° N
 LONG.=104.083233° W

TAKE POINT
 NAD 83 NME
 Y= 442155.3 N
 X= 623355.6 E
 LAT.=32.215283° N
 LONG.=104.068127° W

GEODETIC COORDINATES
 NAD 83 NME
 SURFACE LOCATION
 Y= 442470.2 N
 X= 623565.7 E
 LAT.=32.216149° N
 LONG.=104.067448° W

CORNER COORDINATES TABLE
 NAD 27 NME
 A - Y= 443103.1 N, X= 577225.3 E
 B - Y= 443076.6 N, X= 582502.4 E
 C - Y= 441768.4 N, X= 577219.2 E
 D - Y= 441762.2 N, X= 582501.9 E

CORNER COORDINATES TABLE
 NAD 83 NME
 A - Y= 443161.7 N, X= 618408.7 E
 B - Y= 443135.2 N, X= 623685.9 E
 C - Y= 441827.9 N, X= 618402.7 E
 D - Y= 441820.8 N, X= 623685.4 E

CORNER COORDINATES TABLE
 NAD 27 NME
 A - Y= 443103.1 N, X= 577225.3 E
 B - Y= 443076.6 N, X= 582502.4 E
 C - Y= 441768.4 N, X= 577219.2 E
 D - Y= 441762.2 N, X= 582501.9 E

CORNER COORDINATES TABLE
 NAD 83 NME
 A - Y= 443161.7 N, X= 618408.7 E
 B - Y= 443135.2 N, X= 623685.9 E
 C - Y= 441827.9 N, X= 618402.7 E
 D - Y= 441820.8 N, X= 623685.4 E

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or mineral interest in the land underlying the proposed location hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order involving interest in the oilfield.

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Printed Name: _____

E-mail Address:

FOR YOUR CERTIFICATION

I hardly recall that the wall between planes on this pier was painted blue. I believe it was white, however, made by me or under my direction, and the windows in the rear of the plane were painted blue.

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Science & Technology

Classification Number	Gary G. Wilson	1284
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Ronald J. Nielsen 122

8/1/92 2450 54 0 16 11 000

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 229819

PERMIT COMMENTS

Operator Name and Address: KAISER-FRANCIS OIL CO [12361] 6733 S Yale Ave Tulsa, OK, OK 74136	API Number: 30-015-43992
	Well: Willow Lake WC 15 #002H

Created By	Comment	Comment Date
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 229819

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: KAISER-FRANCIS OIL CO [12361] 6733 S Yale Ave Tulsa, OK, OK 74136	API Number: 30-015-43992
	Well: Willow Lake WC 15 #002H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE1 CASING - Cement must circulate to surface -- 2) INTERMEDIATE2 CASING - Cement must tie back into intermediate1 casing -- 3) PRODUCTION CASING - Cement must tie back into intermediate2 casing --
pkautz	Operator shall notify appropriate District office when setting conductor pipe
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of spudding a well.
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs.
pkautz	If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Submit Gas Capture Plan form prior to spudding or initiating recompletion operations