

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

API NUMBER: 085 21301 A

Approval Date: 03/29/2019

Expiration Date: 09/29/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: INCREASE DEPTH OF SURFACE CASING TO
2000'

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 7S Rge: 1W

County: LOVE

SPOT LOCATION: ☐ SW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 430 500

Lease Name: WARREN

Well No: 1-12H7X8

Well will be 430 feet from nearest unit or lease boundary.

Operator KAISER-FRANCIS OIL COMPANY
Name:

Telephone: 9184940000

OTC/OCC Number: 6390 0

KAISER-FRANCIS OIL COMPANY
PO BOX 21468
TULSA, OK 74121-1468

WARREN EDWARD STRATE
17559 DIXON ROAD
MARIETTA OK 73448

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 WOODFORD	14142	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 686810
260251

Location Exception Orders: 689284

Increased Density Orders:

Pending CD Numbers: 201806704

Special Orders:

Total Depth: 23732

Ground Elevation: 899

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 610

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3700 Average: 1500

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ANTLERS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36414

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ANTLERS

HORIZONTAL HOLE 1

Sec 08 Twp 7S Rge 1E County LOVE

Spot Location of End Point: SE NE NE NE

Feet From: NORTH 1/4 Section Line: 430

Feet From: EAST 1/4 Section Line: 165

Depth of Deviation: 12752

Radius of Turn: 477

Direction: 90

Total Length: 10230

Measured Total Depth: 23732

True Vertical Depth: 14142

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

4/3/2019 - G71 - APPROVED; (1) NOTIFYING OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING (2) 2-STAGE CEMENTING TOOL TO BE SET AT 100' BELOW BTW

HYDRAULIC FRACTURING

4/3/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

LOCATION EXCEPTION - 689284

4/5/2019 - G56 - (I.O.) 7 & 8-7S-1E
X686810 WDFD, OTHERS 7-7S-1E
X260251 WDFD, OTHERS 8-7S-1E
COMPL INT (7-7S-1E) NCT 165' FWL, NCT 0' FEL, NCT 330' FNL
COMPL INT (8-7S-1E) NCT 0' FWL, NCT 165' FEL, NCT 330' FNL
KAISER-FRANCIS OIL CO.
1/16/2019

MEMO

4/3/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

085 21301 WARREN 1-12H7X8

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201806704	4/5/2019 - G56 - (I.O.) 7 & 8-7S-1E ESTABLISH MULTIUNIT HORIZONTAL WELL X686810 WDFD, OTHERS 7-7S-1E X260251 WDFD, OTHERS 8-7S-1E 50% 7-7S-1E 50% 8-7S-1E KAISER-FRANCIS OIL CO. REC 9/18/2018 (DUNN)
SPACING - 260251	4/5/2019 - G56 - (640) 8-7S-1E EXT OTHERS EXT 248343 WDFD, OTHERS
SPACING - 686810	4/5/2019 - G56 - (640) 7-7S-1E EXT 628419 WDFD