

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

API NUMBER: 015 23313

Approval Date: 06/26/2019

Expiration Date: 12/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 9N Rge: 11W

County: CADD0

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 265 1100

Lease Name: DOROTHA 33-9N-11W

Well No: 1H

Well will be 265 feet from nearest unit or lease boundary.

Operator KAISER-FRANCIS OIL COMPANY
Name:

Telephone: 9184940000

OTC/OCC Number: 6390 0

KAISER-FRANCIS OIL COMPANY
6733 S YALE AVE
TULSA, OK 74121-1468

ARTHUR D. HALL 1989 REVOC. LIVING TRUST
8228 WILSHIRE RIDGE DR
OKLAHOMA CITY OK 73132

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

	Name	Depth	Name	Depth
1	MARCHAND	10132	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 204540

Location Exception Orders: 695269

Increased Density Orders: 690214

Pending CD Numbers:

Special Orders:

Total Depth: 15624

Ground Elevation: 1408

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 340

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: 8000 Average: 5000

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: RUSH SPRINGS

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

PERMIT NO: 19-36704

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 33 Twp 9N Rge 11W County CADDO

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1230

Depth of Deviation: 9627

Radius of Turn: 666

Direction: 181

Total Length: 4950

Measured Total Depth: 15624

True Vertical Depth: 10150

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

Notes:

Category

Description

DEEP SURFACE CASING

6/20/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/20/2019 - 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: OCCEWEB.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

INCREASED DENSITY - 690214

6/26/2019 - GB1 - 33-9N-11W
X204540 MRCD
1 WELL
KAISER-FRANCIS OIL COMPANY
1/23/2019

LOCATION EXCEPTION - 695269

6/26/2019 - GB1 - (I.O.) 33-9N-11W
X204540 MRCH
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1000' FEL
KAISER-FRANCIS OIL COMPANY
4/29/19

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

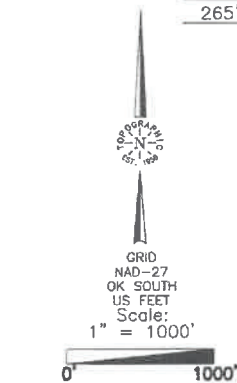
015 23313 DOROTHA 33-9N-11W 1H

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.

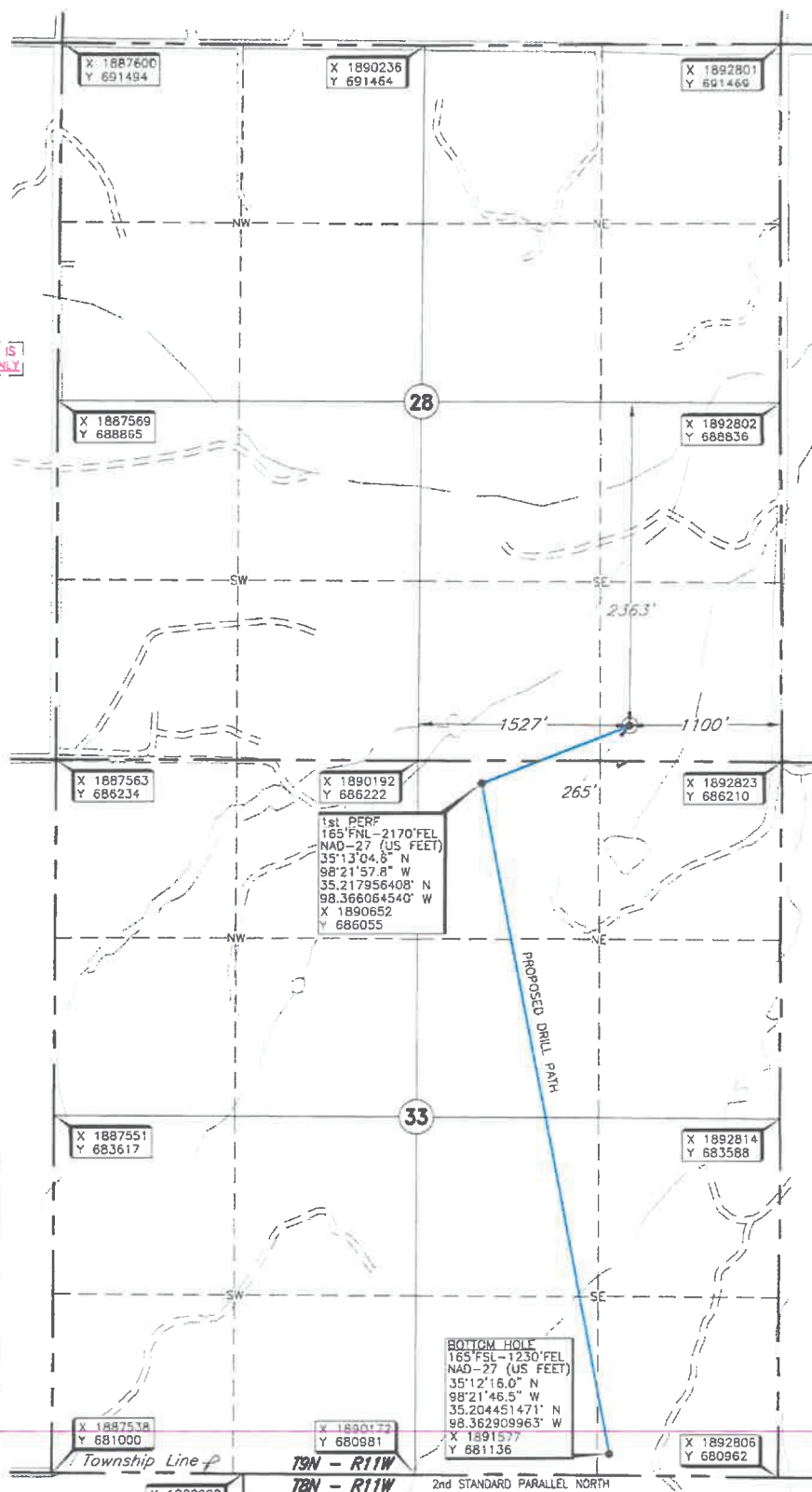
Category	Description
MEMO	6/20/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 204540	6/26/2019 - GB1 - (640) 33-9N-11W EXT OTHERS EXT 95691/187860 MRCD

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
 13800 Wireless Way, Okla. City, OK. 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS
 CADD County, Oklahoma
 265' FSL - 1100' FEL Section 28 Township 9N Range 11W I.M.



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: KAISER FRANCIS OIL COMPANY
 Lease Name: **Dorotha 33-9N-11W**
 Topography & Vegetation: Location fell in scattered cedar trees.
 Good Drill Site? ☒ Yes
 Best Accessibility to Location: From East off county road.
 Distance & Direction: From the Jct. of U.S. Hwy. 281 and St. Hwy. 152 in Binger, Ok., go ±5.2 miles South, then ±1 mile West to the NE corner of Section 28, 19N - R11W.
 Reference Stakes or Alternate Location: Stakes Set None
 ELEVATION: 1408' Gr. at Stake



FIRST PERF, BOTTOM HOLE AND DRILL PATH INFORMATION INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED

DATUM: NAD-27
 LAT: 35°13'08.9" N
 LONG: 98°21'45.0" W
 LAT: 35.219134536° N
 LONG: 98.362492849° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 1891721
 Y: 686480

Date of Drawing: March 25, 2019
 Project # 125069 Date Staked: March 21, 2019 ST

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Lic. No. 1433

