

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

API NUMBER: 015 23301

Approval Date: 07/19/2018

Expiration Date: 01/19/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 9N Rge: 11W

County: CADD0

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 480 280

Lease Name: WELLS 28-9-11

Well No: 1H

Well will be 280 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

WALTER LEE WELLS
P.O. BOX 506
BINGER OK 73099

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

Name	Depth	Name	Depth
1 MARCHAND	10200	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 90017

Location Exception Orders: 674629

Increased Density Orders: 676279

Pending CD Numbers: 201801795

Special Orders:

Total Depth: 15623

Ground Elevation: 1459

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 18-34151
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 28 Twp 9N Rge 11W County CADD0

Spot Location of End Point: SW SW SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1600

Depth of Deviation: 9629

Radius of Turn: 573

Direction: 176

Total Length: 5094

Measured Total Depth: 15623

True Vertical Depth: 10200

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

Notes:

Category	Description
DEEP SURFACE CASING	4/23/2018 - 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	4/20/2018 - 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 - 676279	4/27/2018 - G60 - 28-9N-11W X90017 MRCD 1 WELL KAISER-FRANCIS OIL CO. 4/13/18
LOCATION EXCEPTION - 674629	4/27/2018 - G60 - (I.O.) 28-9N-11W X90017 COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL & FEL KAISER-FRANCIS OIL CO. 3/13/18
PENDING CD - 201801795	4/27/2018 - G60 - (E.O.) 28-9N-11W X165:10-3-28(C)(2)(B) MRCD (WELLS 28-9-11 1H) MAY BE CLOSER THAN 300' TO THE SPENCER 1-28H KAISER-FRANCIS OIL CO. REC. 7/13/18 (DUNN)
SPACING - 90017	4/27/2018 - G60 - (640) 28-9N-11W EST MRCD, OTHER EXT OTHERS

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015 23301 WELLS 28-9-11 1H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

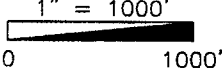
CADDO

County, Oklahoma

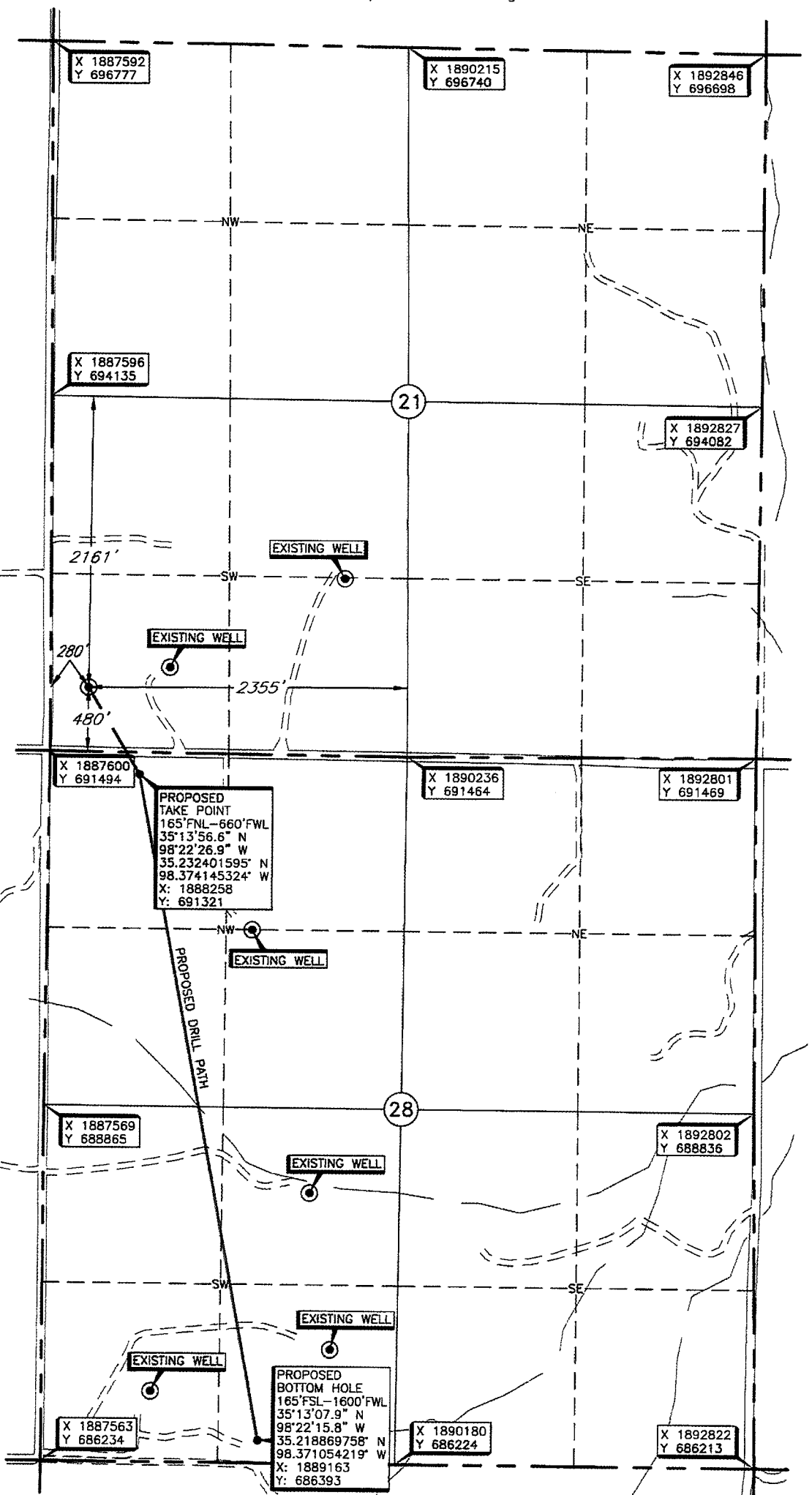
480'FSL-280'FWL Section 21 Township 9N Range 11W I.M.



GRID
NAD-27
OK SOUTH
US FEET
Scale:
1" = 1000'



Operator: KAISER-FRANCIS OIL COMPANY
Lease Name: WELLS 28-9-11
Topography & Vegetation Location fell in pasture
Good Drill Site? Yes
Best Accessibility to Location From South off county road
Distance & Direction from Hwy Jct or Town From the junction of US Hwy 281/St. Hwy 8 & St. Hwy 152 in Binger, Oklahoma, go ± 5.2 miles South on County Road, then ± 2 miles West to the Southwest Corner of Section 21, T9N-R11W.
Reference Stakes or Alternate Location
Stakes Set None
Well No.: 1H
ELEVATION:
1459' Gr. at Stake



TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
LAT: 35°14'03.1" N
LONG: 98°22'31.5" W
LAT: 35.234181599° N
LONG: 98.375421984° W
STATE PLANE COORDINATES (US FEET):
ZONE: OK SOUTH
X: 1887879
Y: 691971

Revision ☒ A Date of Drawing: Feb. 27, 2018
Invoice # 288783 Date Staked: Feb. 26, 2018 NB

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

