

API NUMBER: 093 25227

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

Approval Date: 06/03/2019
Expiration Date: 06/03/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

Extended

WELL LOCATION: Section: 21 Township: 20N Range: 15W County: MAJOR

SPOT LOCATION: SW NW SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 850 200

Lease Name: HAWK Well No: 21-29-1JH Well will be 200 feet from nearest unit or lease boundary.
Operator Name: COMANCHE EXPLORATION CO LLC Telephone: 4057555900 OTC/OCC Number: 20631 0

COMANCHE EXPLORATION CO LLC
6520 N WESTERN AVE STE 300
OKLAHOMA CITY, OK 73116-7334

BRAZOS RESOURCES, LP BRM, LLC
6520 N. WESTERN, SUITE 300
OKLAHOMA CITY, OKLAHOMA OK 73116

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	8200

Spacing Orders: 610999

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 201902604

Working interest owners' notified: ***

Special Orders: No Special Orders

201902603

Total Depth: 15214

Ground Elevation: 1749

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 410

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36408

H. (Other)

SEE MEMO

PIT 1 INFORMATION

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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

Section: 29	Township: 20N	Range: 15W	Meridian: IM	Total Length: 5174
	County: MAJOR			Measured Total Depth: 15214
Spot Location of End Point: SW	SE	SE	SE	True Vertical Depth: 9340
Feet From: SOUTH	1/4 Section Line: 135			End Point Location from
Feet From: EAST	1/4 Section Line: 600			Lease, Unit, or Property Line: 135

NOTES:

Category	Description
COMPLETION INTERVAL	5/24/2019 - GB1 - WILL BE GREATER THAN 165' FSL PER OPERATOR
DEEP SURFACE CASING	5/7/2019 - 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	5/7/2019 - 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
INTERMEDIATE CASING	5/7/2019 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	5/7/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201902603	5/24/2019 - GB1 - 29-20N-15W X610999 MSSP 2 WELLS COMANCHE EXPLORATION COMPANY LLC REC. 5/28/2019 (P. PORTER)
PENDING CD - 201902604	5/24/2019 - GB1 - (I.O.) 29-20N-15W X610999 MSSP X165:10-3-28 MRMCMAY BE CLOSER THAN 600' TO ALTIC 29-20-1H, GARD 1-28 COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 560' FEL NO OP. NAMED REC. 5/28/2019 (P. PORTER)
SPACING - 610999	5/24/2019 - GB1 - (640)(HOR) 29-20N-15W EST MSSP, OTHERS POE TO BHL (MSSP) NCT 660' FB (SUPERCEDE EXISTING NON-DEVELOPED, NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

Permit ex 12/3/2020
Surety ex 3/10/21
Operator # 20631



Comanche

November 6, 2020

Oklahoma Corporation Commission
Oil and Gas Conservation Division
Jim Thorpe Building
2101 N. Lincoln Blvd.
Oklahoma City, OK 73105-4993

RECEIVED

NOV 09 2020

**OKLAHOMA CORPORATION
COMMISSION**

Re: Comanche Exploration Company, LLC
Operator #20631
Hawk 21-29-1JH
API #093-25227
Section 21-20N-15W
SW NW SW SW
Major County, OK

Comanche Exploration Company, LLC respectfully requests an extension for OCC Form 1000 (Permit To Drill) for the Hawk 21-29-1JH, expiration date to expire 12/03/2020.

Please find enclosed a copy of the drilling permit.

Sincerely,

Carrie Renner
Engineering Analyst
Comanche Exploration Company, LLC

**Approved for 6 Month
Extension From
12/3/2020**

11/19/2020

SP