

API NUMBER: 093 25249

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

Approval Date: 05/08/2020
Expiration Date: 11/08/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 01 Township: 20N Range: 16W County: MAJOR

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 225 360

Lease Name: DALE RUMSEY Well No: 1-2H Well will be 225 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

DALE M. RUMSEY REVOCABLE TRUST, DALE M. RUMSEY
TRUSTEE
P.O. BOX 6235
PEORIA AZ 85385

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	9073

Spacing Orders: 700752
709953

Location Exception Orders: 707810

Increased Density Orders: 707893
710850

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 14345

Ground Elevation: 1806

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 440

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: 20-37287
H. 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: 1	Township: 20N	Range: 16W	Total Length: 5033
	County: MAJOR		Measured Total Depth: 14345
Spot Location of End Point: NW	NE	NE	NE
			True Vertical Depth: 9200
Feet From: NORTH	1/4 Section Line: 135		End Point Location from
Feet From: EAST	1/4 Section Line: 360		Lease, Unit, or Property Line: 135

NOTES:

Category	Description
DEEP SURFACE CASING	2/25/2020 - GC2 - 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	2/25/2020 - GC2 - 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 - 707893	4/6/2020 - G56 - 1-20N-16W X700752 MSNLC 1 WELL NO OP NAMED 1/24/2020
INCREASED DENSITY - 710850	5/8/2020 - G56 - NPT CORRECTING ORDER # 707893 TO REFERENCE #700752 AS WELL AS # 709953
LOCATION EXCEPTION - 707810	4/6/2020 - G56 - (I.O.) 1-20N-16W X700752 MSNLC*** COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FEL NO OP NAMED 1/23/2020 *** S/B X700752/709953 MSNLC; WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR
MEMO	2/25/2020 - GC2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 700752	2/26/2020 - G56 - (702.02)(HOR)(IRR UNIT) 1-20N-16W VAC OTHER EST MSNLC, OTHERS COMPL INT NCT 660' FB
SPACING - 709953	4/6/2020 - G56 - NPT SP # 700752 TO ADD "COEXIST WITH SP # 140509 MSSSD" TO ORDER PORTION

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.

093 25249 DALE RUMSEY 1-2H

TOPOGRAPHIC LAND SURVEYORS

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1292 LS

MAJOR

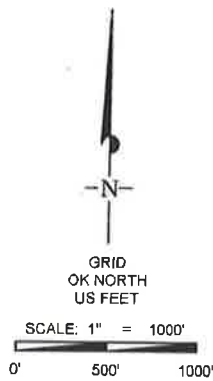
COUNTY, OKLAHOMA

225' FSL - 360' FEL

SECTION 1

TOWNSHIP 20N

RANGE 16W I.M.



SURFACE LOCATION

DATUM: NAD-27

LAT: 36°13'52.7" N

LONG: 98°51'01.1" W

LAT: 36.23130410° N

LONG: 98.85031753° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 1749213

Y: 449304

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)

CERTIFICATE:

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify to the information shown herein.

T. Wayne Fisch
Oklahoma Reg. No. 1378



NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
- LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

OPERATOR: COMANCHE EXPLORATION CO., LLC

LEASE NAME: DALE RUMSEY

WELL NO: 1-2H

TOPOGRAPHY & VEGETATION: Loc. fell in rolling sandy pasture on sand hills

GOOD DRILL SITE? Yes

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET: None

BEST ACCESSIBILITY TO LOCATION: From South off county road

DISTANCE & DIRECTION: From Chester, OK, go ±4.0 mi. East, then ±1.0 mi. North to the SE Cor. of Sec 1-T20N-R16W.

ELEVATION:

1806' Gr. at Stake (NGVD29)

PROJECT # 133377

DATE OF DRAWING: Feb. 14, 2020

DATE STAKED: Feb. 13, 2020

DRAWN BY: AC

REVISION: 0

FILE NAME: LO DALE RUMSEY 1-2H

