

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

API NUMBER: 093 25228 A

Approval Date: 06/07/2019
Expiration Date: 12/07/2020

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECT: BHL SECTION, UPDATE ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 20N Rge: 16W County: MAJOR
SPOT LOCATION: N2 N2 NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 235 660

Lease Name: DENTON Well No: 11-2-1H Well will be 235 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

PAUL DENTON
229081 E. COUNTY RD #54
CHESTER, OK 73838

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	9250	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805768
201805770

Special Orders:

Total Depth: 14827 Ground Elevation: 1800 Surface Casing: 800 Depth to base of Treatable Water-Bearing FM: 480

Deep surface casing has been approved

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

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36525

H. SEE MEMO

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.

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

HORIZONTAL HOLE 1

Sec 02 Twp 20N Rge 16W County MAJOR

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 135

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 8667

Radius of Turn: 519

Direction: 360

Total Length: 5345

Measured Total Depth: 14827

True Vertical Depth: 9300

End Point Location from Lease,
Unit, or Property Line: 135

Additional Surface Owner	Address	City, State, Zip
PAUL DENTON	229081 E. COUNTY RD #54	CHESTER,, OK 73838
JASON DENTON	229081 E. COUNTY RD #54	CHESTER,, OK 73838
DANIEL G. DENTON & JANET DENT	229081 E. COUNTY RD #54	CHESTER,, OK 73838

Notes:

Category

Description

BHL

9/9/2019 - GC2 - CHANGED BHL FROM SEC 11 TO SEC 2 PER OPERATOR REQUEST.

DEEP SURFACE CASING

4/17/2019 - 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

4/17/2019 - 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

MEMO

4/17/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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.

PENDING CD - 201805768

9/10/2019 - GC2 - (I.O.)(700.02)(HOR)(IRR UNIT) 2-20N-16W
VAC OTHER
EST MSNLC, OTHER
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER 76570 MNMCO)
REC 8/8/2019 (MINMIER)

PENDING CD - 201805770

9/10/2019 - GC2 - (I.O.) 2-20N-16W
X201805768 MSNLC
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO THE JOY DAWN 1-2 WELL
MAY BE CLOSER THAN 600' TO THE ROHLA 1-2 WELL
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 560' FEL
NO OP. NAMED
REC 8/8/2019 (MINMIER)

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Office of the Conservation Division as to when Surface Casing will be run.