

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

API NUMBER: 043 23695

Approval Date: 04/03/2019

Expiration Date: 10/03/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 16N Rge: 16W County: DEWEY

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 185 740

Lease Name: BROWNIE Well No: 1-32H28X2 Well will be 185 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 4053193208; 8178852

OTC/OCC Number: 21003 0

XTO ENERGY INC
22777 SPRINGWOODS VILLAGE PKWY
SPRING, TX 77389-1425

BROWNIE M. BROWNE
15009 DOURDAN COURT
OKLAHOMA CITY OK 73142

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

	Name	Depth	Name	Depth
1	MORROW-SPRINGER	10765	6	
2	MISSISSIPPIAN	13299	7	
3	WOODFORD	14315	8	
4			9	
5			10	

Spacing Orders: 693693

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810571

Special Orders:

Total Depth: 23800

Ground Elevation: 1876

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 430

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: 19-36379

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 21 Twp 16N Rge 16W County DEWEY

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 430

Depth of Deviation: 11935

Radius of Turn: 1000

Direction: 10

Total Length: 10294

Measured Total Depth: 23800

True Vertical Depth: 14315

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

3/25/2019 - 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

3/25/2019 - 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

3/25/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201810571

4/3/2019 - GA8 - (I.O.) 28 & 21-16N-16W
X693694 MWSPR, MSSP, WDFD
COMPL. INT. MSSP, WDFD (28-16N-16W) NCT 165' FSL, NCT 330' FWL
COMPL. INT. MSSP, WDFD (21-16N-16W) NCT 165' FNL, NCT 330' FWL
COMPL. INT. MWSPR (28-16N-16W) NCT 330' FSL, NCT 330' FWL
COMPL. INT. MWSPR (21-16N-16W) NCT 330' FNL, NCT 330' FWL
NO OP. NAMED
REC 1/28/2019 (M. PORTER)

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

043 23695 BROWNIE 1-32H28X2

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

SPACING - 693694

4/3/2019 - GA8 - (1280)(HOR) 28 & 21-16N-16W
EST MWSPR, MSSP, WDFD
POE TO BHL (MWSPR, MSSP) NLT 660' FB
POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
(COEXIST WITH ANY EXISTING NON-HORIZONTAL SPACING)

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

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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.