

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

API NUMBER: 015 23312

Approval Date: 06/20/2019

Expiration Date: 12/20/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 11N Rge: 12W County: CADD0

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

SECTION LINES: 251 1090

Lease Name: CAPTAIN 6-31-11-12

Well No: 1HXL

Well will be 251 feet from nearest unit or lease boundary.

Operator LYNX OKLAHOMA OPERATING LLC
Name:

Telephone: 4052863904

OTC/OCC Number: 24306 0

LYNX OKLAHOMA OPERATING LLC
PO BOX 18548
OKLAHOMA CITY, OK 73154-0548

GORDON SCOTT HARVEY
5158 CR 1120
HYDRO OK 73048

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

Name	Depth	Name	Depth
1 HOXBAR	9750	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 697201

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901668
201901669
201901670

Special Orders:

Total Depth: 20530

Ground Elevation: 1665

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 320

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: 19-36428

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 31 Twp 12N Rge 12W County CADDO

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2500

Depth of Deviation: 9297

Radius of Turn: 573

Direction: 353

Total Length: 10333

Measured Total Depth: 20530

True Vertical Depth: 9860

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

Notes:

Category

Description

DEEP SURFACE CASING

6/20/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/18/2019 - 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

6/18/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201901668

6/20/2019 - G75 - (640)(HOR) 31-12N-12W
VAC 110250 MRCD E2, NW4, W2 SW4
VAC 159456 HXLMD
EST HXBR
COMPL. INT. NLT 660' FB
(COEXIST SP. ORDER # 110250 MRCD E2 SW4)
REC 6-17-2019 (MILLER)

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.

015 23312 CAPTAIN 6-31-11-12 1HXL

Category	Description
PENDING CD - 201901669	6/20/2019 - G75 - (I.O.) 6-11N-12W & 31-12N-12W X697201 HXBR 6-11N-12W X201901668 HXBR 31-12N-12W COMPL. INT. (6-11N-12W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (31-12N-12W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 6-17-2019 (MILLER)
PENDING CD - 201901670	6/20/2019 - G75 - (I.O.) 6-11N-12W & 31-12N-12W EST MULTIUNIT HORIZONTAL WELL X697201 HXBR 6-11N-12W X201901668 HXBR 31-12N-12W 50% 6-11N-12W 50% 31-12N-12W NO OP. NAMED REC 6-17-2019 (MILLER)
SPACING - 697201	6/20/2019 - G75 - (640)(HOR) 6-11N-12W VAC 106058 CGGV, CLVD VAC 110250 MRCD W2, E2 NE4 VAC 169212 HXLMD VAC 585793 MRCD W2 E2 EST HXBR COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 110250 MRCD E2 SE4)



Well Location Plat

Operator: LYNX OKLAHOMA OPERATING, LLC
Lease Name and No.: CAPTAIN 6-31-11-12 #1HXL
Footage: 251' FNL - 1090' FEL Gr. Elevation: 1665'
Section: 7 Township: 11N Range: 12W I.M.
County: Caddo State of Oklahoma
Terrain at Loc.: Location fell in a terraced crop field, East of an existing fence and Northwest of a pivot point.

API 015-23312



All bearings shown
are grid bearings.

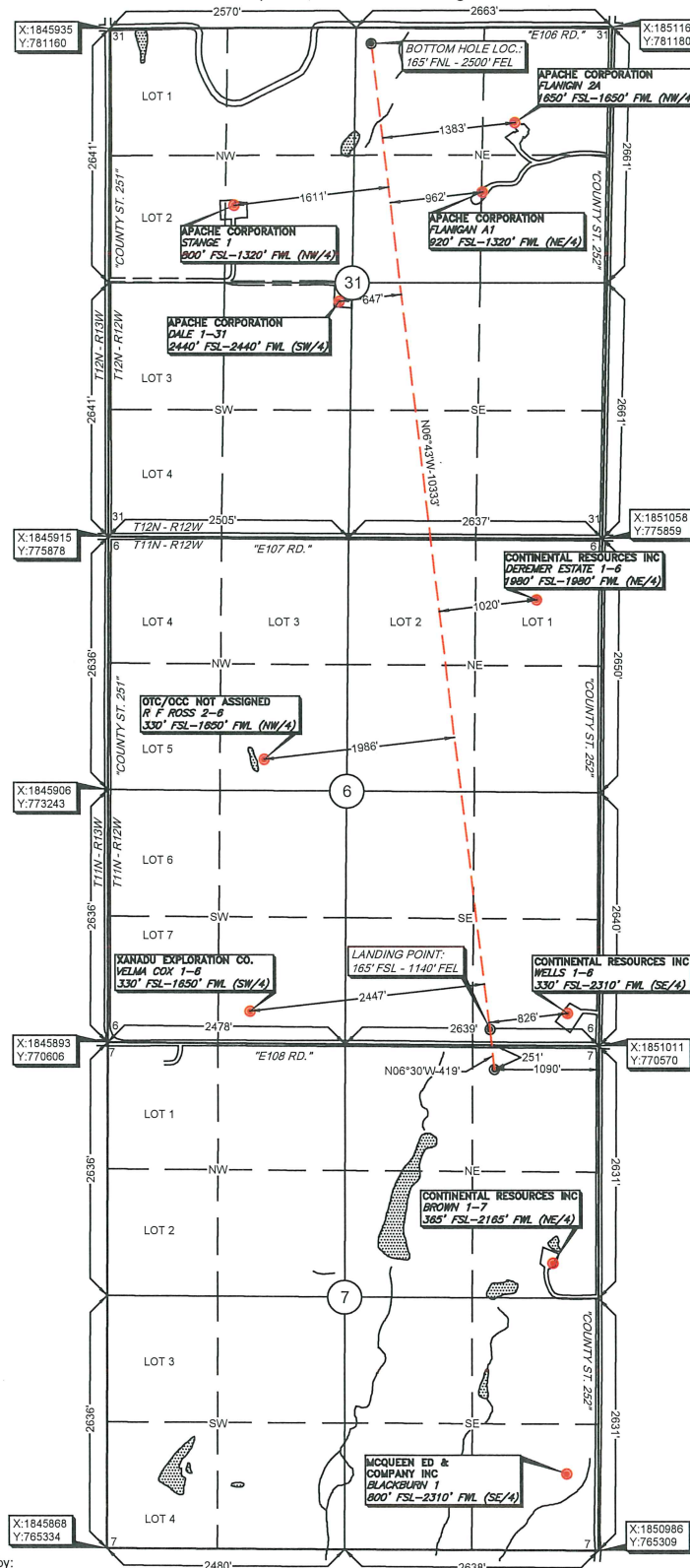
GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°26'56.37"N
Lon: 98°30'13.80"W
Lat: 35.44899249
Lon: -98.50383387
X: 1849920
Y: 770327

Landing Point:
Lat: 35°27'00.48"N
Lon: 98°30'14.40"W
Lat: 35.45013429
Lon: -98.50399910
X: 1849873
Y: 770743

Bottom Hole Loc.:
Lat: 35°28'41.91"N
Lon: 98°30'29.62"W
Lat: 35.47830920
Lon: -98.50822763
X: 1848665
Y: 781005

available from this location was started on the ground under the supervision of a licensed Professional Land Surveyor, and the accuracy of this survey is not guaranteed. The east corner of the Surveying and Mapping Company's 1992 survey was determined. Other surveying methods, including the use of GPS and total stations, were used by Station Cornermen who NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Corner Station distances may be assumed from a Government Survey Plat or assumed at a proportional distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



Survey and plat by: 2480'
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2020

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Invoice #8516
Date Staked: 02/25/19 By: J.W.
Date Drawn: 02/26/19 By: C.K.
Rev. BHL: 03/07/19 By: R.S.


LANCE G. MATHIS

