

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

API NUMBER: 087 22056

Approval Date: 10/07/2016
Expiration Date: 04/07/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 5N Rge: 4W County: MCCLAIN
SPOT LOCATION: SW SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 212 1993

Lease Name: CHOATE 0504 Well No: 10-1HW Well will be 212 feet from nearest unit or lease boundary.
Operator Name: EAGLE EXPLORATION PRODUCTION LLC Telephone: 9187461350 OTC/OCC Number: 23413 0

EAGLE EXPLORATION PRODUCTION LLC
6100 S YALE AVE STE 700
TULSA, OK 74136-1935

BOBBY GENE BOYDSTON JR., TRUSTEE
206 SW 3RD ST.
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10382	6	
2	WOODFORD	10590	7	
3			8	
4			9	
5			10	

Spacing Orders: 656736

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603623

Special Orders:

Total Depth: 15340

Ground Elevation: 1136

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31628

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: DUNCAN

HORIZONTAL HOLE 1

Sec 10 Twp 5N Rge 4W County MCCLAIN

Spot Location of End Point: S2 SW SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 10140

Radius of Turn: 477

Direction: 185

Total Length: 4451

Measured Total Depth: 15340

True Vertical Depth: 10640

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

Notes:

Category

Description

DEEP SURFACE CASING

10/5/2016 - 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

10/5/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

MEMO

10/5/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201603623

10/7/2016 - G75 - (I.O.) 10-5N-4W
X656736 MSSP, WDFD
COMPL. INT. NCT 165' TO NL, NCT 165' TO SL, NCT 330' TO WL
NO OP. NAMED
REC 9-13-2016 (MCKEOWN)

SPACING - 656736

10/7/2016 - G75 - (640)(HOR) 10-5N-4W
VAC 349601 SCMR, WDFD
VAC 436202 SCMR, WDFD
VAC 457865 SCMR
VAC 604083 SCMR, WDFD
EXT 629918 WDFD
EST MSSP
POE TO BHL (MSSP) NCT 660' FB
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

MCCLAIN

County, Oklahoma

API 087-22056

212'FSL-1993'FWL Section 3 Township 5N Range 4W I.M.

Township Line *p*

T6N - R4W

T5N - R4W

X= 2114660
Y= 585824

X= 2117298
Y= 585821

X= 2119936
Y= 585818

LOT 4

LOT 3

LOT 2

LOT 1

S/2-NW/4

S/2-NE/4

X= 2119945
Y= 583135

CALCULATED
X= 2114647
Y= 583115

2423'

1993'

212'

654'

X= 2117319
Y= 580488

X= 2119966
Y= 580491

X= 2114673
Y= 580485

LANDING POINT
165'FNL-1650'FWL
NAD-27 (US Feet)
34°55'38.6"N
97°36'43.0"W
34.927381828"N
97.611939844"W
X= 2116324
Y= 580322

X= 2114686
Y= 577835

X= 2117327
Y= 577836

X= 2119973
Y= 577838

2484'

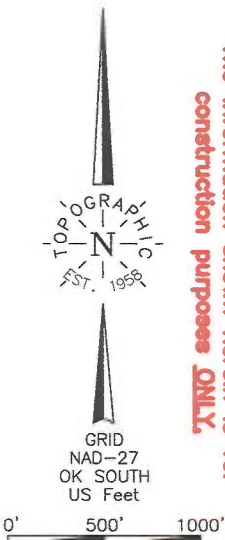
BOTTOM HOLE
165'FSL-1650'FWL
NAD-27 (US Feet)
34°54'49.4"N
97°36'42.9"W
34.913726639"N
97.611919419"W
X= 2116349
Y= 575352

989'

X= 2114700
Y= 575185

X= 2117338
Y= 575189

X= 2119974
Y= 575188



NOTE:
The information shown herein is for construction purposes ONLY.

Operator: EAGLE ENERGY EXPLORATION, LLC
 Lease Name: CHOATE 0504
 Topography & Vegetation: Loc. fell in sloping pasture; ±180' N of E-W fence; ±281' SW of NW-SE barn fence
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From South off county road
 Distance & Direction: From Criner, OK go West ±2.0 miles, then South ±3.0 miles, then West ±1.0 mile to the SW Cor. of Sec. 3-T5N-R4W.

Well No.: 10-1HW

ELEVATION:
1136' Gr. at Stake

BOTTOM HOLE, LANDING POINT AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: Oct. 5, 2016

Invoice # 266139

Date Staked: Aug. 28, 2016

TR

DATUM: NAD-27
 LAT: 34°55'42.3"N
 LONG: 97°36'38.9"W
 LAT: 34.928416498°N
 LONG: 97.610799200°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2116664
 Y: 580700

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
 Oklahoma Lic. No. 1433

