

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

API NUMBER: 103 24722

Approval Date: 09/29/2016  
Expiration Date: 03/29/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 20N Rge: 2W County: NOBLE  
SPOT LOCATION:  SE  SW  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 109 578

Lease Name: TUBBS Well No: 1-12H Well will be 109 feet from nearest unit or lease boundary.  
Operator Name: BLAKE PRODUCTION COMPANY INC Telephone: 4052869800 OTC/OCC Number: 18119 0

BLAKE PRODUCTION COMPANY INC  
1601 NW EXPRESSWAY STE 777  
OKLAHOMA CITY, OK 73118-1446

WILLIAM & CARLA HAFNER  
22807 NORTH HWY. 77  
ORLANDO OK 73073

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

Name	Depth	Name	Depth
1	BIG LIME	4599	6
2			7
3			8
4			9
5			10

Spacing Orders: 656096

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604086

Special Orders:

Total Depth: 9280

Ground Elevation: 1132

**Surface Casing: 280**

Depth to base of Treatable Water-Bearing FM: 230

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: WELLINGTON

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31655

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 12 Twp 20N Rge 2W County NOBLE

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 250

Feet From: WEST 1/4 Section Line: 620

Depth of Deviation: 4025

Radius of Turn: 580

Direction: 1

Total Length: 4344

Measured Total Depth: 9280

True Vertical Depth: 4600

End Point Location from Lease,  
Unit, or Property Line: 250

Notes:

Category

Description

BOTTOM-HOLE LOCATION

9/29/2016 - G75 - 250' FNL, 620' FWL NW4 12-20N-2W PER STAKING PLAT;

HYDRAULIC FRACTURING

9/28/2016 - 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.

PENDING CD - 201604086

9/28/2016 - G75 - (E.O.) 12-20N-2W  
X656096 BGLM  
COMPL. INT. NCT 250' TO SL, NCT 250' TO NL, NCT 330' TO WL  
BLAKE PROD. CO., INC.  
REC 9-26-2016 (DECKER)

SPACING - 656096

9/28/2016 - G75 - (640)(HOR) 12-20N-2W  
EST BGLM, OTHER  
COMPL. INT. NCT 660' FB  
(COEXIST GANSEL UNIT # 13-4A BGLM)



# Well Location Plat

Sec. 12-20N-2W I.M.

Operator: BLAKE PRODUCTION CO. INC.

API 103-24722

Lease Name and No. : TUBBS #1-12H

Footage : 109' FSL - 578' FWL GR. ELEVATION : 1132' Good Site? YES

Section: 12 Township: 20N Range: 2W I.M.

County : Noble State of Oklahoma

Alternate Loc.: N/A

Terrain at Loc. : Location fell in a pasture with ponds to the North, an existing pipeline to the East and an E-W ROW fence to the South of the site.

Accessibility : From the North.

Directions : From the junction if Interstate 35 and US Highway 77 in the town of Perry, OK, go 2.5 miles west and 4.0 miles South on US Highway 77 to the Southwest Corner of Section 12-20N-2W.



1"=1000'

GPS DATUM  
NAD - 27  
OK NORTH ZONE

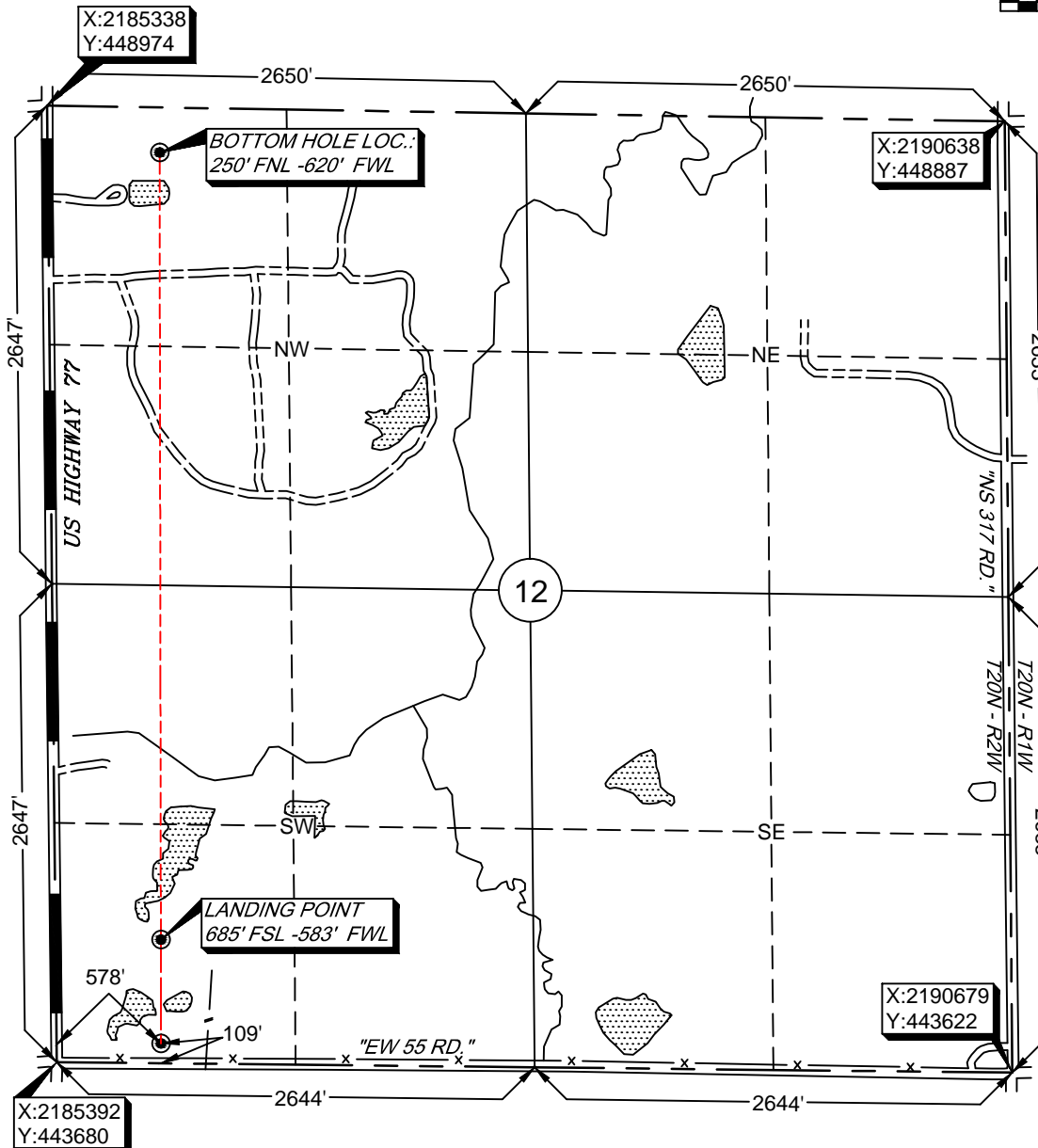
Surface Hole Loc.:  
Lat: 36°13'02.98"N  
Lon: 97°22'10.45"W  
X: 2185968  
Y: 443783

Landing Point:  
Lat: 36°13'08.67"N  
Lon: 97°22'10.42"W  
X: 2185968  
Y: 444358

Bottom Hole Loc.:  
Lat: 36°13'51.75"N  
Lon: 97°22'10.16"W  
X: 2185961  
Y: 448714

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate 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,  
**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 August 31, 2018

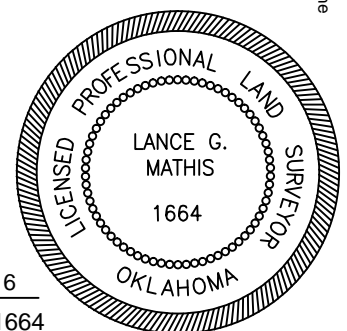
### Certification:

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.

*Lance G. Mathis*  
LANCE G. MATHIS

09/29/16

OK LPLS 1664



Invoice #6612  
Date Staked : 8/31/16 By : J.W.  
Date Drawn : 9/06/16 By : J.H.  
Add L.P. & BHL : 9/29/16 By : R.S.