API NUMBER: 063 24640

Oil & Gas

Horizontal Hole

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

Approval Date: 01/17/2017
Expiration Date: 07/17/2017

PERMIT TO DRILL

WELL LOCATION: Sec:	28	Twp:	8N	Rge:	11E	County:	HUGHES
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SPOT LOCATION: N2 SE NW SW FEET FROM QUARTER: FROM SOUTH FROM WEST SECTION LINES: 1800 990

Lease Name: BUFORD Well No: 1-28/21H Well will be 990 feet from nearest unit or lease boundary.

 Operator Name:
 BRAVO ARKOMA LLC
 Telephone:
 9188944440; 9188944
 OTC/OCC Number:
 23562
 0

BRAVO ARKOMA LLC 1323 E 71ST ST STE 400

TULSA, OK 74136-5067

BUFORD M. JOHNSON 2898 N. 383 ROAD

WETUMKA OK 74883

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

Name Depth Name Depth 1 CANEY 4199 6 2 WOODFORD 4579 7 3 8 4 9 10 656586 Spacing Orders: Location Exception Orders: 657088 Increased Density Orders: 657180

Pending CD Numbers: Special Orders:

Total Depth: 11792 Ground Elevation: 916 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 210

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: AIR

Is depth to top of ground water greater than 10ft below base of pit? Y F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No:

Within 1 mile of municipal water well? N 551649

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: CALVIN

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

PIT 2 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?

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: CALVIN

PIT 3 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?

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: CALVIN

HORIZONTAL HOLE 1

Sec 21 Twp 8N Rge 11E County **HUGHES**

NW Spot Location of End Point: С 1/4 Section Line: Feet From: NORTH 660 Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 3747 Radius of Turn: 832 Direction: 355

Total Length: 6738

Measured Total Depth: 11792 True Vertical Depth: 4579 End Point Location from Lease, Unit, or Property Line: 660

Notes:

Category Description

1/11/2017 - G71 - APPROVED: NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS DEEP SURFACE CASING

OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 1/11/2017 - 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/ 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

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.

063 24640 BUFORD 1-28/21H

Category Description

LOCATION EXCEPTION - 657088 1/11/2017 - G75 - (I.O.) 21 & 28-8N-11E

X656586 CNEY, WDFD, OTHER

SHL (28-8N-11E) NCT 1845' FNL, NCT 1275' FWL **

COMPL. INT. (28-8N-11E) NFT 2500' FNL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (21-8N-11E) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL

BRAVO ARKOMA, LLC

10-19-2016

** ITD HAS SHL AS 990' FWL 28-8N-11E; TO BE CORRECTED AT HEARING FOR FINAL ORDER

LOCATION EXCEPTION PER OPERATOR

MEMO 1/11/2017 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 -

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

MEMO 1/11/2017 - G71 - DRILLING IN GREASY CREEK SPRING GAS STORAGE (ORDER # 95952/96291)

FOR BOOCH; MUST NOTIFY GAS STORAGE OPERATOR PER OCC 165:10-3-5

SPACING - 656586 1/11/2017 - G75 - (640)(HOR) 21 & 28-8N-11E

EST CNEY

EXT 642100 WDFD, OTHER COMPL. INT. (CNEY) NLT 330' FB

COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

SPACING - 657180 1/11/2017 - G75 - (I.O.) 21 & 28-8N-11E

EST MULTIUNIT HORIZONTAL WELL X656586 CNEY, WDFD, OTHER

(CNEY ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD)

33% 28-8N-11E 67% 21-8N-11E BRAVO ARKOMA, LLC

10-21-2016

S.H.L. Sec. 28-8N-11E I.M. B.H.L. Sec. 21-8N-11E I.M.

API 063-24640

Operator: BRAVO NATURAL RESOURCES

Lease Name and No.: BUFORD 1-28/21H GR. ELEVATION: 916' Footage: 1800' FSL - 990' FWL Good Site? YES

Range: 11E Section: 28 Township: 8N

State of Oklahoma County: Hughes

Alternate Loc.: N/A

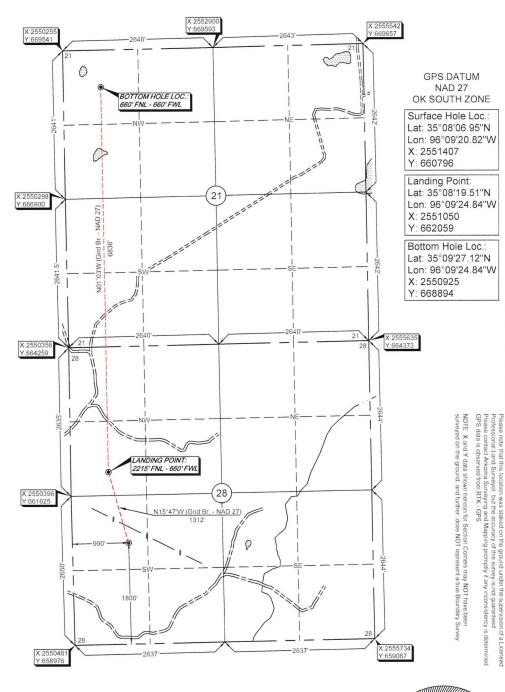
Terrain at Loc.: Location fell in mostly open terrain sloping downhill from South to North.

Accessibility: From the West.

Directions: From the intersection of Highway 270 and Highway 75 in Horntown, OK, go 3.0 miles East on E1330, turn North on N3830 Road and go 3.8 miles to the Enable Plant entrance road, go

East ±2.0 miles on the Enable Plant entrance road to the W/2 of Section 28-8N-11E.





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, 2018

Invoice #6568-A-A

Date Staked : 08/30/16 By : H.S.
Date Drawn : 08/16/16 By : J.H.
Date Power : 08/31/16 By : J.H.
Date Revised: 08/31/16 By : S.S.
Added Landing Point & BHL: 01/13/17 By : R.S.

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.

Janu & Matter LANCE G. MATHIS

MINIMA SS 10NAL LANCE G. SURVE) **MATHIS** 1664 OKLAHOMA

01/13/17

OK LPLS 1664