API NUMBER: 029 21344

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: 08/18/2016
Expiration Date: 02/18/2017

PERMIT TO DRILL

WELL LOCATION:	Sec:	04	Twp:	1N	Rge: 9E	County:	COAL
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SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 215 250

Lease Name: OWL ROAD Well No: 2-4/9H Well will be 165 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

COAL COUNTY PROPERTIES LLC

37234 CR 1680

CENTRAHOMA OK 74534

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

Name Depth Name Depth 1 CANEY 7120 6 2 WOODFORD 7260 7 HUNTON 7460 8 3 SYLVAN 7690 9 10 Spacing Orders: Location Exception Orders: Increased Density Orders: No Spacing

Pending CD Numbers: 201602188 Special Orders:

201602187 201602189

Total Depth: 14000 Ground Elevation: 658 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 250

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

Within 1 mile of municipal water well? N

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: SAVANNA

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

F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 551649

H. SEE MEMO

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? 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: SAVANNA

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER 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: SAVANNA

HORIZONTAL HOLE 1

Sec 09 Twp 1N Rge 9E County COAL Spot Location of End Point: S2 N2 SW SW Feet From: SOUTH 1/4 Section Line: 760 Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 6600 Radius of Turn: 1003

Direction: 170
Total Length: 5825

Measured Total Depth: 14000
True Vertical Depth: 7690
End Point Location from Lease,
Unit, or Property Line: 760

Notes:

Category Description

DEEP SURFACE CASING 8/16/2016 - 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 8/16/2016 - 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/ 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.

029 21344 OWL ROAD 2-4/9H

Category Description

MEMO 8/16/2016 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201602187 8/17/2016 - G60 - (640) 4 & 9-1N-9E

EXT 650787 CNEY, WDFD, HNTN, SLVN COMPL. INT. (HNTN) NLT 606' FB COMPL. INT. (CNEY, SLVN) NLT 330' FB

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

(COEXIST WITH SP. ORDER 108560/267042 HNTN SECTION 4; SP. ORDER 108560/422953 HNTN SW4 SECTION 4 SP. ORDER 583283 MSSP, WDFD, HNTN, SLVN N2 SECTION 4; SP. ORDER

108560 HNTN, SECTION 9 REC. 8-15-16 (JOHNSON)

PENDING CD - 201602188 8/17/2016 - G60 - (I.O.) 4 & 9-1N-9E

EST MULTIUNIT HORIZONTAL WELL X201602187 CNEY, WDFD, HNTN, SLVN

(CNEY, HNTN, SLVN ARE ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD)

NO OP. NAMED

REC. 8-15-16 (JOHNSON)

38% 4-1N-9E 62% 9-1N-9E

PENDING CD - 201602189 8/17/2016 - G60 - (I.O.) 4 & 9-1N-9E

X201602187 CNEY, WDFD, HNTN, SLVN SHL NCT 2490' FNL, NCT 410' FSL **

COMPL INT. (4-1N-9E) NCT 2145' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (9-1N-9E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL

NO OP. NAMED

REC. 8-15-16 (JOHNSON)

** ON ITD 215' FNL, 250' FEL (4-1N-9E) WILL BE CORRECTED AT HEARING FOR FINAL ORDER

LOCATION EXCEPTION PER OPERATOR

