API NUMBER: 063 24624 C

Horizontal Hole Oil & Gas

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

Approval Date: 10/28/2016
Expiration Date: 04/28/2017

Amend reason: CHANGE SURFACE & BOTTOM-HOLE LOCATIONS, TOTAL DEPTH; ADD FORMATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 7N Rge: 11E County: HUGHES

SPOT LOCATION: SE SW NW NE

FEET FROM QUARTER: FROM **NORTH** FROM **EAST**

SECTION LINES: **998** **2097**

Lease Name: BRUNER **Well No: 3-35/26H** **Well will be 998 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

CARLENE BRUNER REVOC. LIVING TRUST
2329 N. 381 ROAD
WETUMKA OK 74883

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

	Name	Depth		Name	Depth
1	CANEY	4356	6		
2	WOODFORD	4677	7		
3			8		
4			9		
5			10		

Spacing Orders: 657005
657856

Location Exception Orders: 657793

Increased Density Orders: 658132

Pending CD Numbers: 201603495

Special Orders:

Total Depth: 11532 Ground Elevation: 740 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 190

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: SENORA

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

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: 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: SENORA

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? 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: SENORA

HORIZONTAL HOLE 1

Sec 26 Twp 8N Rge 11E County HUGHES

Spot Location of End Point: S2 S2 NW SE

Feet From: SOUTH 1/4 Section Line: 1618

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 3962

Radius of Turn: 715

Direction: 1

Total Length: 6447

Measured Total Depth: 11532

True Vertical Depth: 4677

End Point Location from Lease,
Unit, or Property Line: 1618

Notes:

Category	Description
DEEP SURFACE CASING	11/17/2016 - 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	10/28/2016 - 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/ 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.

Category	Description
INCREASED DENSITY - 658132	12/7/2016 - G75 - (I.O.) 26-8N-11E X657005 WDFD 3 WELLS BRAVO ARKOMA, LLC 11-21-2016
LOCATION EXCEPTION - 657793	12/7/2016 - G75 - (I.O.) 26 & 35-8N-11E X657005 CNEY, WDFD, OTHER SHL (35-8N-11E) NCT 150' FSL, NCT 990' FWL ** COMPL. INT. (35-8N-11E) NCT 165' FSL, NCT 0' FNL, NCT 1650' FWL COMPL. INT. (26-8N-11E) NCT 0' FSL, NFT 2500' FSL, NCT 1650' FWL BRAVO ARKOMA, LLC 11-9-2016 ** ITD HAS SHL AS 998' FNL, 2097' FEL 2-7N-11E; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR
MEMO	10/28/2016 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201603495	10/28/2016 - G75 - 35-8N-11E X657005 WDFD 3 WELLS NO OP. NAMED REC 9-6-2016 (MCKEOWN)
SPACING - 657005	12/7/2016 - G75 - (640)(HOR) 26 & 35-8N-11E EXT 616553 CNEY EXT 642100 WDFD, OTHER COMPL. INT. (CNEY) NLT 330' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 522741 CNEY, WDFD NW4 35-8N-11E & ORDER # 524633 CNEY, WDFD 26-8N-11E)
SPACING - 657856	12/7/2016 - G75 - (I.O.) 26 & 35-8N-11E EST MULTIUNIT HORIZONTAL WELL X657005 CNEY, WDFD, OTHER (CNEY ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 35% 26-8N-11E 65% 35-8N-11E BRAVO ARKOMA, LLC 11-10-2016

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.

Well Location Plat

S.H.L. Sec. 2-7N-11E I.M.
B.H.L. Sec. 26-8N-11E I.M.

API 063-24624 C

Operator : BRAVO NATURAL RESOURCES
Lease Name and No. : BRUNER 3-35/26H
Footage : 998' FNL - 2097' FEL PAD ELEVATION : 740' Good Site? YES
Section : 2 Township : 7N Range : 11E I.M.
County : Hughes State of Oklahoma
Alternate Loc. : N/A
Terrain at Loc. : Location fell on Existing Level Pad Site.

Accessibility : From the South.
Directions : From the intersection of "Main St." & "Jefferson St." in Lamar, OK, go 1.7 miles East on "Jefferson St." to the entrance of the Chesapeake location in the Northeast ¼ of Section 2-7N-11E.

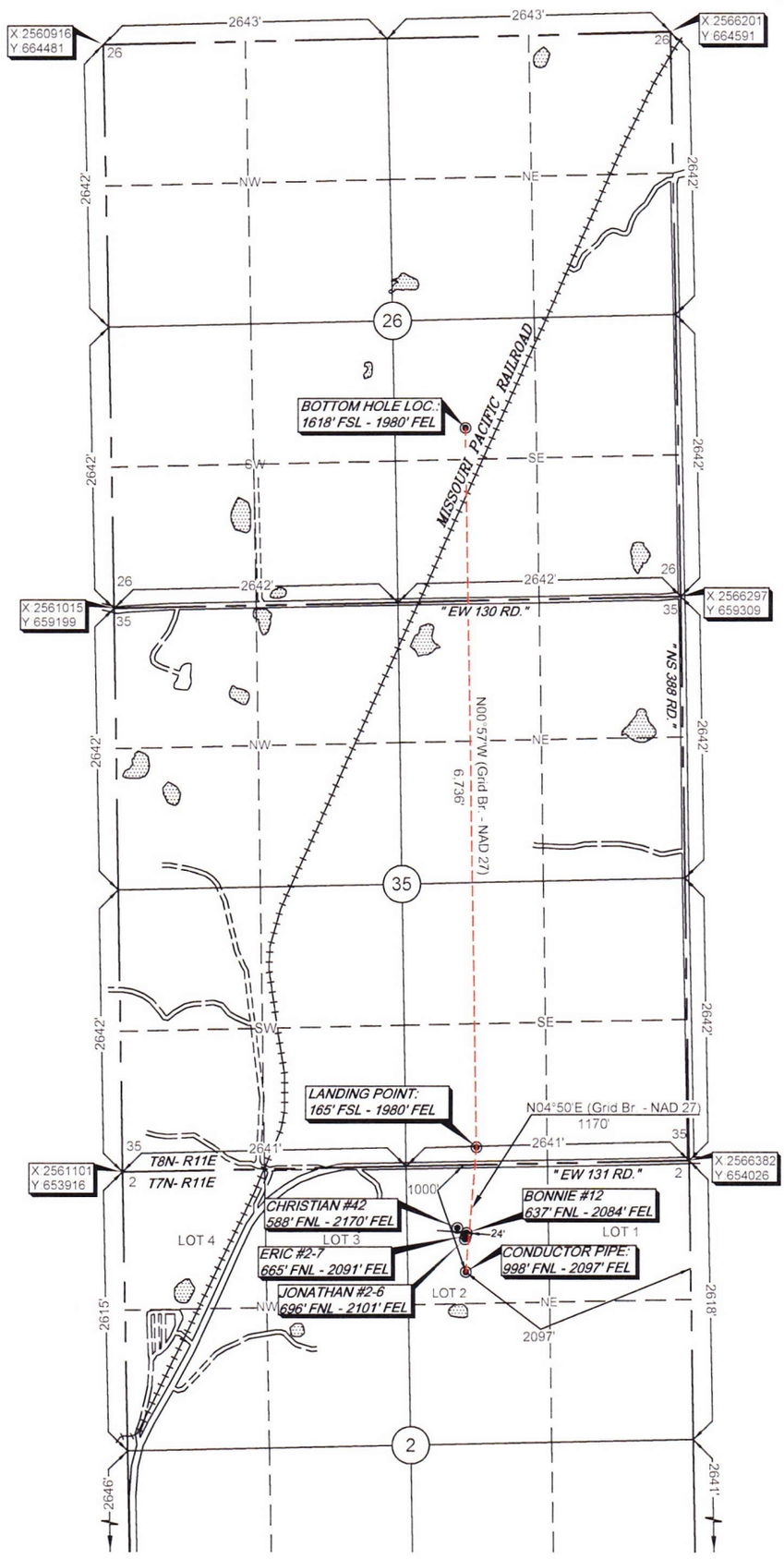
0' 750' 1500' 2250'
1"=1500'

GPS DATUM
NAD 27
OK SOUTH ZONE

Conductor Pipe:
Lat: 35°06'47.34"N
Lon: 96°06'47.36"W
X: 2564301
Y: 652984

Landing Point:
Lat: 35°06'58.85"N
Lon: 96°06'45.92"W
X: 2564400
Y: 654150

Bottom Hole Loc.:
Lat: 35°08'05.48"N
Lon: 96°06'45.74"W
X: 2564288
Y: 660885



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.

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

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 June 30, 2018

Invoice #6576-A-B
Date Staked : 08/24/16 By : H.S.
Date Drawn : 08/29/16 By : J.H.
Add LP & BHL : 10/11/16 By : R.S.
Add Avoidance & Cond. Pipe : 11/18/16 By: R.S.
Revise Footage Calls : 12/02/16 By: J.H.

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.

12/05/16
LANCE G. MATHIS OK LPLS 1664

PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
LICENSED
OKLAHOMA