API NUMBER: 029 21370

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

Approval Date: 02/14/2018 Expiration Date: 08/14/2018

Straight Hole Stratigraphic Test

> Liner not required for Category: 4 Pit Location is NON HSA Pit Location Formation:

BOGGY

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

PERMIT TO DRILL

VELL LOCATION: Sec: 27 Twp: 2N F	Rge: 10E County: COA	NL	
POT LOCATION: SW NE SE	SW FEET FROM QUARTER: FROM	SOUTH FROM WEST	
	SECTION LINES:	850 2265	
Lease Name: MCGRAW	Well No:	2-34/3/10H	Well will be 850 feet from nearest unit or lease bound
Operator BRAVO ARKOMA LLC Name:		Telephone: 9188944440; 918	88944 OTC/OCC Number: 23562 0
BRAVO ARKOMA LLC		CHARL	LES FREDERICK LARECY
1323 E 71ST ST STE 400		3000 S	S. HULEN STREET, STE. 124-229
TULSA,	OK 74136-5067	FORT \	WORTH TX 76109
1 CANEY 2 WOODFORD 3 4 5	8239 8515	6 7 8 9 10	
pacing Orders: No Spacing	Location Exception	o Orders:	Increased Density Orders:
ending CD Numbers:			Special Orders:
Total Depth: 8550 Ground Eleva	stion: 640 Surface	Casing: 1000	Depth to base of Treatable Water-Bearing FM: 530
Under Federal Jurisdiction: No	Fresh Wate	er 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 Type of Mud System: AIR		A. Evaporation/de	lewater and backfilling of reserve pit.
Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N		551649	nercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No
Wellhead Protection Area? N Pit is not located in a Hydrologically Sensitive	Area	H. SEE MEMO	
Category of Pit: 4			

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C
Pit Location is NON HSA
Pit Location Formation: BOGGY

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BOGGY

Notes:

Category Description

DEEP SURFACE CASING 2/2/2018 - 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

MEMO 2/2/2018 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

STRAT TEST 2/13/2018 - G57 - THIS WELL HAS BEEN APPROVED AS A STRATIGRAPHIC TEST WITH THE

INTENT TO SET SURFACE CASING ONLY. OPERATOR WILL FILE AN AMENDED FORM 1000

CHANGING THE TYPE OF DRILLING OPERATION AT A LATER DATE.

R Well Location Plat S.H.L. Sec. 27-2N-10E I.M. B.H.L. Sec. 10-1N-10E I.M. Operator: BRAVO NATURAL RESOURCES, LLC Lease Name and No.: McGRAW 2-34/3/10H API: 029 21370 Gr. Elevation: 640' Footage: 850' FSL - 2265' FWL Section: 27 Township: 2N Range: 10E I.M. County: Coal State of Oklahoma Terrain at Loc.: Location fell in timber. 2629 1" = 1750' GPS DATUM X:2526816 Y:468190 X:2532079 Y:468281 NAD 27 LANDING POINT OK SOUTH ZONE Surface Hole Loc.: 0 Lat: 34°36'34.81"N Lon: 96°14'29.98"W X: 2529065 Y: 469081 Landing Point: Lat: 34°36'24.77"N Lon: 96°14'30.74"W X: 2529019 Y: 468065 Bottom Hole Loc.: Lat: 34°33'51.40"N Lon: 96°14'30.26"W X: 2529330 Y: 452563 X:2526900 Y:462936 LOT 3 LOT 4 S01°09'E-15505 X:2527013 Y:457638 X:2532287 Y:457725 BOTTOM HOLE LOC. 2633 X:2532398 Y:452468 X:252713 Y:452348 WILL SSIONAL OR COMMON Certification: 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 LANCE G. This is to certify that this Well Location Plat represents SURVE) **MATHIS** the results of a survey made on the ground performed under the supervision of the undersigned. OKLAHOMA

Invoice #7531-A-B Date Staked: 01/10/18 By: D.A Date Drawn: 01/15/18 By: K.B. Rev. Lse Name & BH: 01/23/18 By: C.K.

LANCE G. MATHIS

01/25/18

OK LPLS 1664