

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

API NUMBER: 087 22082

Approval Date: 07/25/2017
Expiration Date: 01/25/2018

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 5N Rge: 2E County: MCCLAIN
SPOT LOCATION: SE SE SE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 2630 200

Lease Name: JOHNSTON Well No: 1 Well will be 200 feet from nearest unit or lease boundary.
Operator Name: BROWER OIL & GAS CO INC Telephone: 9182987200 OTC/OCC Number: 12209 0

BROWER OIL & GAS CO INC
PO BOX 2009
JENKS, OK 74037-2009

ORIN A. JOHNSTON
2808 NW 22ND STREET
OKLAHOMA CITY OK 73107

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

Name	Depth	Name	Depth
1 LAYTON UP	3200	6 BROMIDE DENSE	4500
2 LAYTON LOW	3250	7 1ST BROMIDE	4530
3 BRUNDIDGE	3300	8 2ND BROMIDE	4650
4 DYKEMAN	3900	9 3RD BROMIDE	4760
5 VIOLA	4190	10	

Spacing Orders: 665812 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201703658 Special Orders:

Total Depth: 4998 Ground Elevation: 988 **Surface Casing: 140** Depth to base of Treatable Water-Bearing FM: 90

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: 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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. MIN. 20-MIL PIT LINER REQUIRED

Notes:

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
HYDRAULIC FRACTURING	7/19/2017 - G58 - 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
PENDING CD - 201703658	7/24/2017 - G75 - (I.O.)(IRR UNIT) S2 SE4 NE4 & N2 NE4 SE4 14-5N-2E X665812 LYTNU, LYTNL, BDDG, DKMN, VIOL, BMDD, BRMD1, BRMD2, BRMD3 NCT 330' FNL, NCT 200' FEL NO OP. NAMED REC 6-26-2017 (LORENZ)
SPACING - 665812	7/24/2017 - G75 - (40/20)(IRR UNIT) S2 SE4 NE4 & N2 NE4 SE4 14-5N-2E VAC 166641 LYTNU, LYTNL, BDDG, DKMN, VIOL, BMDD, BRMD1, BRMD2, BRMD3 E2 NE4 & E2 SE4 EST (20) OTHERS EST (40) LYTNU, LYTNL, BDDG, DKMN, VIOL, BMDD, BRMD1, BRMD2, BRMD3
SURFACE LOCATION	7/24/2017 - G75 - 2630' FNL, 200' FEL NE4 14-5N-2E PER STAKING PLAT



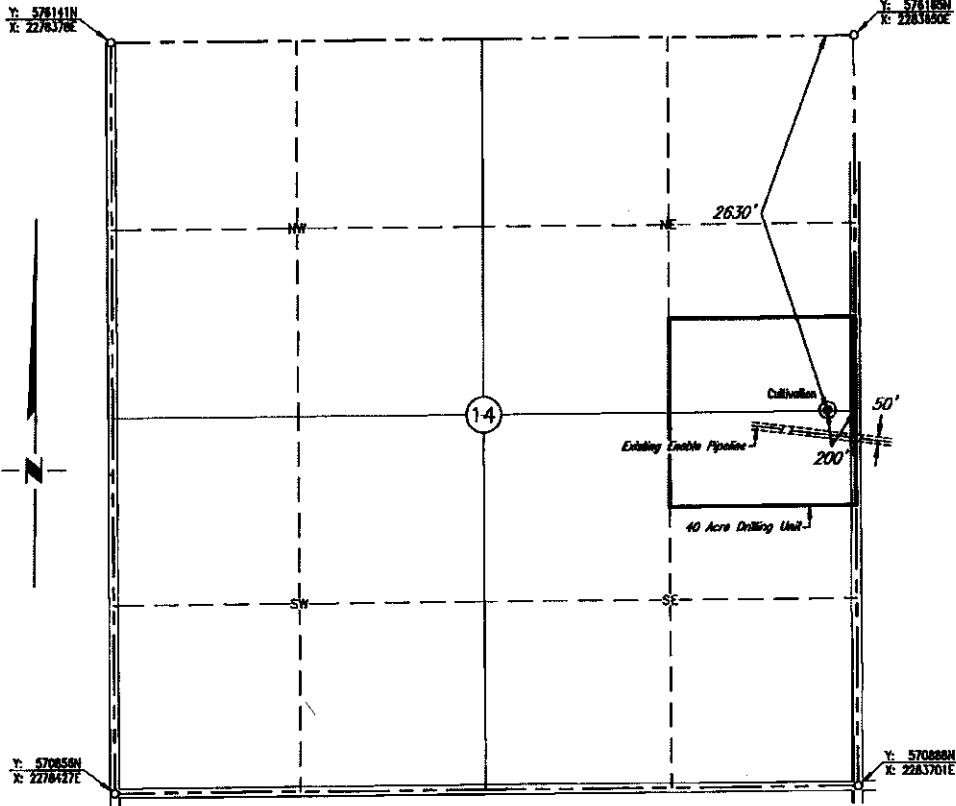
CIMARRON
SURVEYING & MAPPING CO.

Oklahoma City, OK
(405) 692-7348
CIMSURVEY.COM

C.A. No. 1780 Expires June 30, 2018

McCLAIN County, Oklahoma

2630' FNL - 200' FEL Section 14 Township 5N Range 2E 1.M.



Scale: 1" = 1000'

Date Staked: March 15, 2017

GPS Observation: Latitude 34°54'20.513" N
Longitude 97°03'16.395" W
Latitude 34.90570 N
Longitude 97.05455 W

State Plane NAD27 Y: 573534N
Oklahoma North Zone: X: 2283475E

Operator: BROWER OPERATING Elevation: 988'

Lease Name: Johnston Well No.: 1

Topography & Vegetation: Cultivation

Alternate Location Stakes Set: No Good Drill Site? Yes

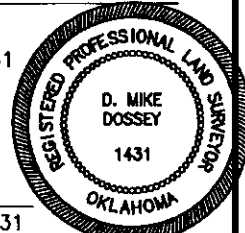
Best Accessibility to Location: From the East Line

Distance & Direction

from Hwy Jct or Town: From the town of Johnsonville; Thence north approx. 1/4 mile to the Southeast Corner of Section 14.

SURVEYOR'S CERTIFICATE:

I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.



PRELIMINARY

D. MIKE DOSSEY R.P.L.S. # 1431

JOB NO.: 171437_40AC				
DATE: 03/22/17				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

JUN 26 2017

