

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

API NUMBER: 081 24316

Approval Date: 01/23/2020

Expiration Date: 07/23/2021

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 14N Rge: 6E

County: LINCOLN

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 538 465

Lease Name: BROWN'S LAKE

Well No: 1-31

Well will be 2097 feet from nearest unit or lease boundary.

Operator Name: SOUTHSTAR EXPLORATION LLC

Telephone: 4052321719

OTC/OCC Number: 23709 0

SOUTHSTAR EXPLORATION LLC
4335 N CLASSEN BLVD STE 200
OKLAHOMA CITY, OK 73118-5031

SUZY BROWN HIGHTOWER
940098 S 3540 ROAD
STROUD OK 74079

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

	Name	Depth	Name	Depth
1	LAYTON	2150	6	
2	CLEVELAND	2450	7	
3	PRUE	3350	8	
4			9	
5			10	

Spacing Orders: 705512

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3500

Ground Elevation: 778

Surface Casing: 300

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: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2500

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? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 20-37184

H. CLOSED SYSTEM=STEEL PITS REQUIRED (BROWNS LAKE)

Notes:

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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	<p>1/22/2020 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
SPACING - 705512	<p>1/23/2020 - GB6 - (640)(IRREGULAR) NW4 31 & SW4 30 -14N-6E AND SE4 25 & NE4 36 -14N-5E EST LYTN, CLVD, PRUE</p>

Well Location Plat

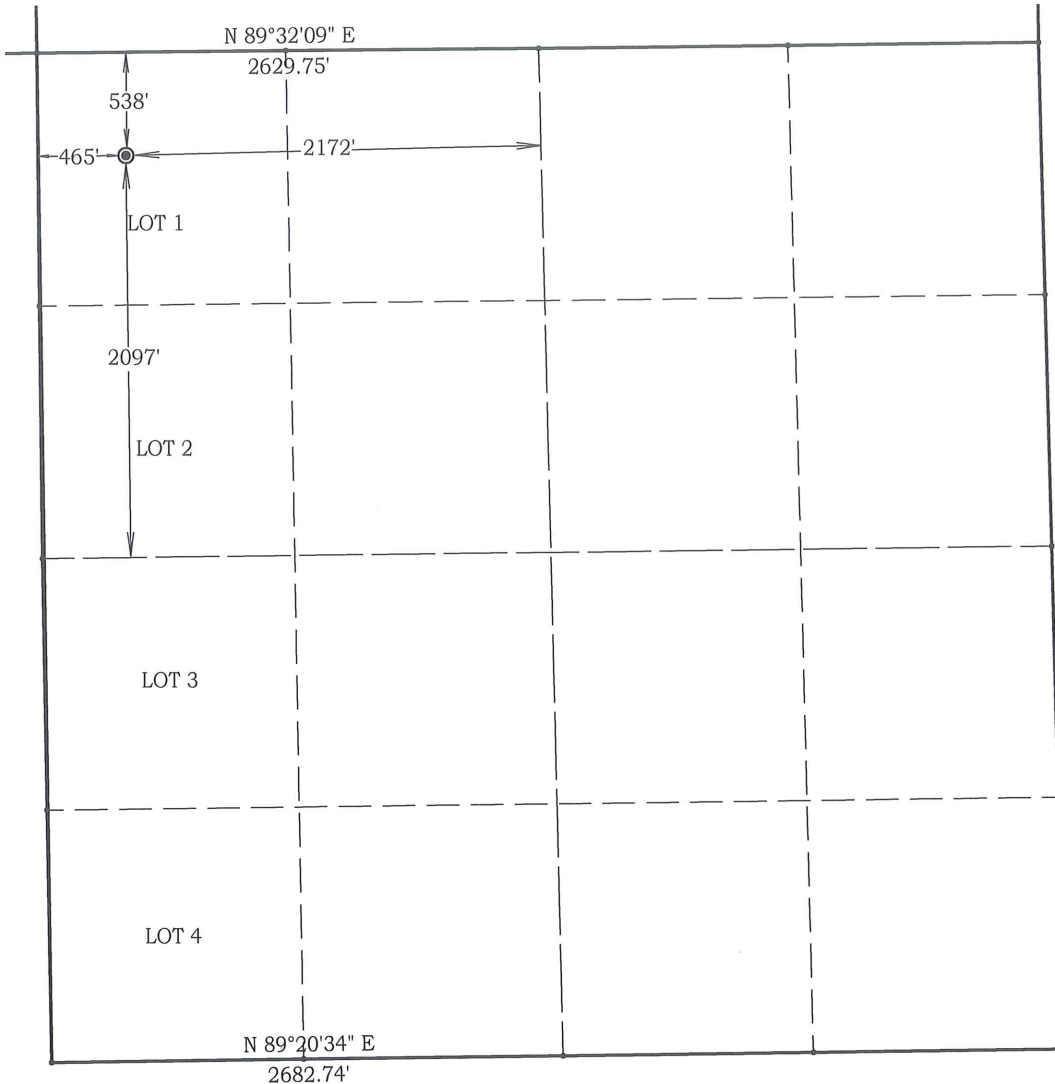
API 081-24316

M & M Land Surveying, Inc.
520 "E" Street NW. Ardmore, OK. 73401
Office 580-226-0446 Mobile 580-221-4999

Company Name: Dash Operating, LLC Lease Name: Brown's Lake 1-31
Section 31 Township 14 North Range 6 East County Lincoln Oklahoma
Surface Location 538' FNL - 465' FWL Elevation 778' Good Location? Yes

Topography

Flood area of Lake
± 90' East of Dike.



SCALE 1" = 1000'
0' 1000'

Job # 19367

Date 10/18/2019

NAD 83 OK South

Surface Location

Latitude: 35.650337°

Longitude: 96.714331°

N= 239264'

E=2,350,472'

NAD 27 OK South

Surface Location

Latitude: 35.650269°

Longitude: 96.714034°

N= 239,234'

E=2,382,069'

Best Accessibility to Location
From the East

Distance & Direction From The Jct of SH. #66 and SH. #99, go 5.8 South on SH. #99, then 2 miles West and 1 mile South to the Northeast Corner of Section 31.
Highway or Town _____

CERTIFICATE:

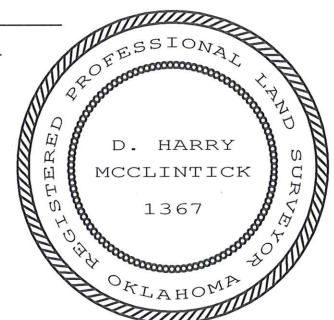
I, D. Harry McClintick, a Registered Land Surveyor in the state of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown.

D. Harry McClintick 11/7/19

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

The distances shown in parenthesis () are calculated distances based on the quarter section being 2640' and have not been measured.

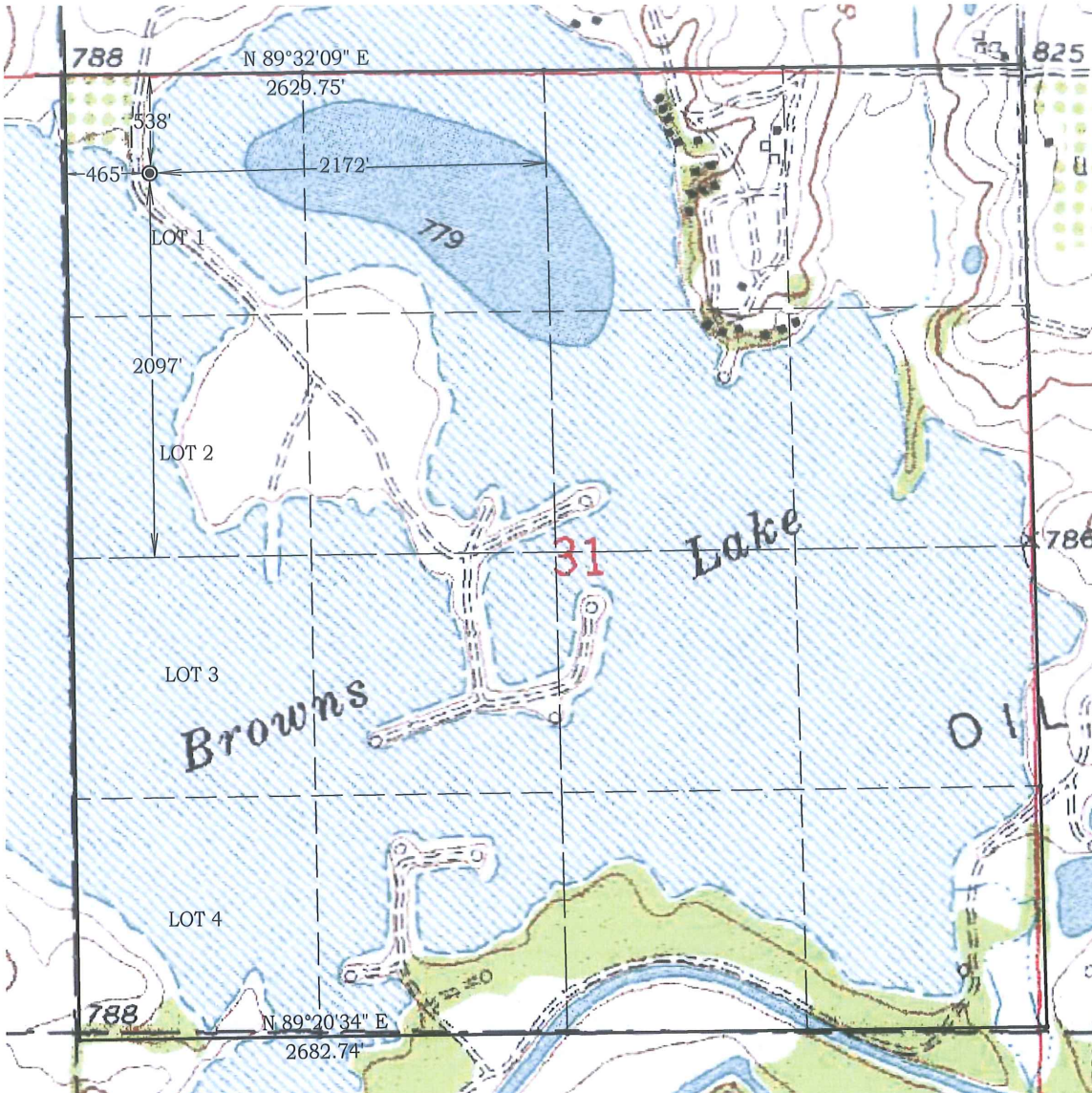


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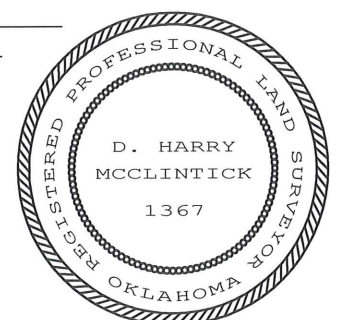
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