

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

API NUMBER: 047 25187

Approval Date: 01/17/2019

Expiration Date: 07/17/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 23N Rge: 5W

County: GARFIELD

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 190 1640

Lease Name: BLACKBURN 25-23N-5W

Well No: 1MH

Well will be 190 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM LLC

Telephone: 4052525821; 8444024

OTC/OCC Number: 23358 0

WHITE STAR PETROLEUM LLC  
PO BOX 13360  
OKLAHOMA CITY, OK 73113-1360

JIMMY DALE JONES  
3411 W URBANA  
BROKEN ARROW OK 74012

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	5912	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 77383

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810243  
201810242

Special Orders:

Total Depth: 11000

Ground Elevation: 1179

**Surface Casing: 410**

Depth to base of Treatable Water-Bearing FM: 160

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: 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: FAIRMONT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-36031  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

# HORIZONTAL HOLE 1

Sec 25 Twp 23N Rge 5W County GARFIELD

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 880

Depth of Deviation: 5352

Radius of Turn: 444

Direction: 355

Total Length: 4951

Measured Total Depth: 11000

True Vertical Depth: 6102

End Point Location from Lease,  
Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

1/10/2019 - G71 - OCC 165:10-3-10 REQUIRES:

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](http://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](http://FRACFOCUS.ORG)

PENDING CD - 201810242

1/17/2019 - G58 - 25-23N-5W  
X77383 MSSLM  
1 WELL  
NO OP. NAMED  
REC 12/31/2018 (P. PORTER)

PENDING CD - 201810243

1/17/2019 - G58 - (I.O.) 25-23N-5W  
X77383 MSSLM  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FWL  
NO OP. NAMED  
REC 12/31/2018 (P. PORTER)

SPACING - 77383

1/17/2019 - G58 - (640) 25-23N-5W  
EXT 69992 MSSLM

# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

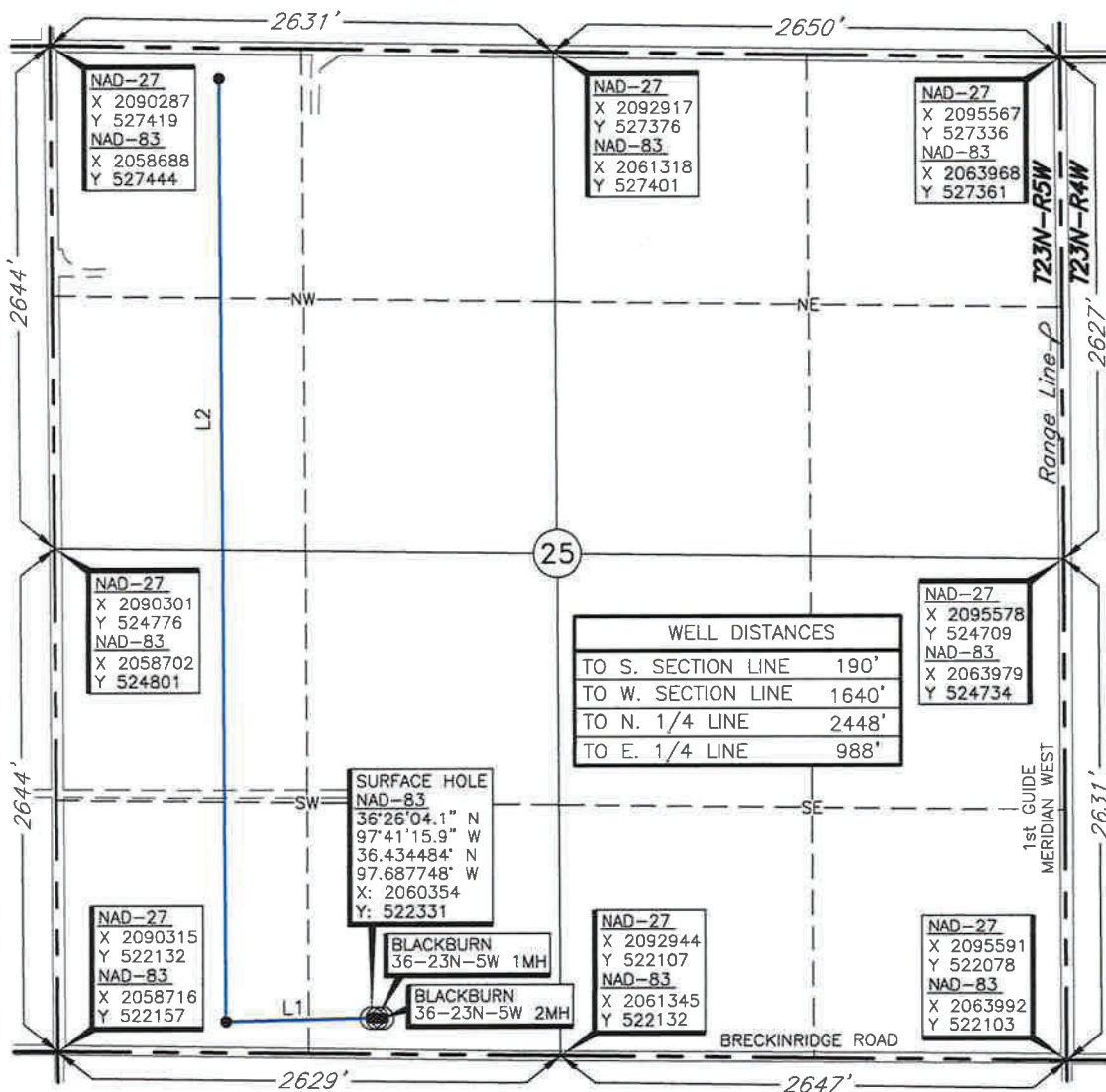
Certificate of Authorization No. 1293 LS

GARFIELD

County, Oklahoma

047-25187

190'FSL-1640'FWL Section 25 Township 23N Range 5W I.M.



LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: WHITE STAR PETROLEUM

Lease Name: BLACKBURN 25-23N-5W

Well No.: 1MH

ELEVATION:

1179' Gr. at Stake

Topography & Vegetation Location fell in wheat field

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction From Hwy Jct or Town From Breckinridge, Oklahoma, go  $\pm$ 2.6 miles East on Breckinridge Road to the South

Quarter Corner of Section 25, T23N-R5W.

DATUM: NAD-27  
LAT: 36°26'04.0" N  
LONG: 97°41'14.7" W  
LAT: 36.434451° N  
LONG: 97.687417° W

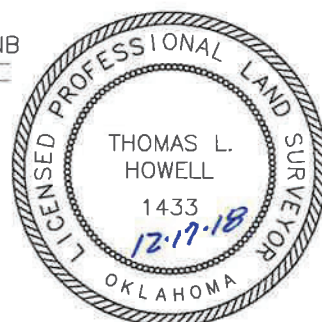
STATE PLANE  
COORDINATES (US FEET):  
ZONE: OK NORTH  
X: 2091954  
Y: 522306

Date of Drawing: Dec. 14, 2018  
Invoice # 308159 Date Staked: Dec. 13, 2018 NB

## CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell  
Oklahoma Reg. No. 1433



This information was gathered with a GPS receiver with  $\pm$ 1 foot Horiz./Vert. accuracy