

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

API NUMBER: 047 25122

Approval Date: 12/21/2017

Expiration Date: 06/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 20N Rge: 3W

County: GARFIELD

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2400 2140

Lease Name: GLORIA JEAN 21-28-20N-3W

Well No: 2MH

Well will be 2140 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

WILLIAM VOSKUHL  
120 S. CIMARRON ST.  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5433	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705942  
201705944  
201705943

Special Orders:

Total Depth: 11100

Ground Elevation: 1107

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 220

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33026  
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 28 Twp 20N Rge 3W County GARFIELD

Spot Location of End Point: SW SW SE NE

Feet From: NORTH 1/4 Section Line: 2470

Feet From: EAST 1/4 Section Line: 1310

Depth of Deviation: 4826

Radius of Turn: 840

Direction: 170

Total Length: 4955

Measured Total Depth: 11100

True Vertical Depth: 5578

End Point Location from Lease,  
Unit, or Property Line: 1310

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

12/15/2017 - 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: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.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 - 201705942

12/21/2017 - G58 - (I.O.)(IRR UNIT)(640)(HOR) S2 21 & N2 28-20N-3W  
VAC 323311 MSSLM, OTHERS  
EST MSSP, OTHERS  
POE TO BHL NCT 660' FB  
(COEXIST SP ORDER 286623 MISS SE4 21-20N-3W; SP ORDER 281436 OTHER SE4 21-20N-3W;  
OHERN 3 WELL SW4 21-20N-3W MISS)  
REC 11/3/2017 (MINMIER)

PENDING CD - 201705943

12/21/2017 - G58 - S2 21 & N2 28-20N-3W  
X201705942 MISS  
1 WELL  
NO OP NAMED  
11/3/2017 (MINMIER)

PENDING CD - 201705944

12/21/2017 - G58 - (I.O.) (IRR UNIT) S2 21 & N2 28-20N-3W  
X201705942 MSSP, OTHERS  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 900' FEL OF IRR UNIT  
NO OP. NAMED  
11/3/2017 (MINMIER)