API NUMBER: 047 25127

Horizontal Hole Oil & Gas

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

Approval Date: 02/07/2018
Expiration Date: 08/07/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 21N Rge: 8W County: GARFIELD

SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**
SECTION LINES: **233** **1470**

Lease Name: LYMAN 1-21N-8W **Well No: 1MH** **Well will be 233 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

DAVID J. THAIN
3228 WHIPPOORWILL LN
ENID OK 73703

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	6830	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 671275 Location Exception Orders: 672783 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 12000 Ground Elevation: 1172 **Surface Casing: 680** Depth to base of Treatable Water-Bearing FM: 430

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 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** located in a Hydrologically Sensitive Area.
Category of Pit: C
Liner not required for Category: C
Pit Location is ALLUVIAL
Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-33803
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - TURKEY CREEK)

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 01 Twp 21N Rge 8W County GARFIELD

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 6181

Radius of Turn: 549

Direction: 355

Total Length: 4957

Measured Total Depth: 12000

True Vertical Depth: 6930

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

Notes:

Category	Description
HYDRAULIC FRACTURING	2/2/2018 - 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; 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
LOCATION EXCEPTION - 672783	2/7/2018 - G58 - (I.O.) 1-21N-8W X671275 MSSP COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL WHITE STAR PETROLEUM, LLC 1/29/2018
SPACING - 671275	2/7/2018 - G58 - (640)(HOR) 1-21N-8W VAC 49133 MSSP EST MSSP COMPL. INT. NLT 660' FB

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.

PETRO LAND SERVICES SOUTH, LLC

10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318

GARFIELD County, Oklahoma 047-25127
233' FSL – 1470' FEL Section 1 Township 21N Range 8W I.M.

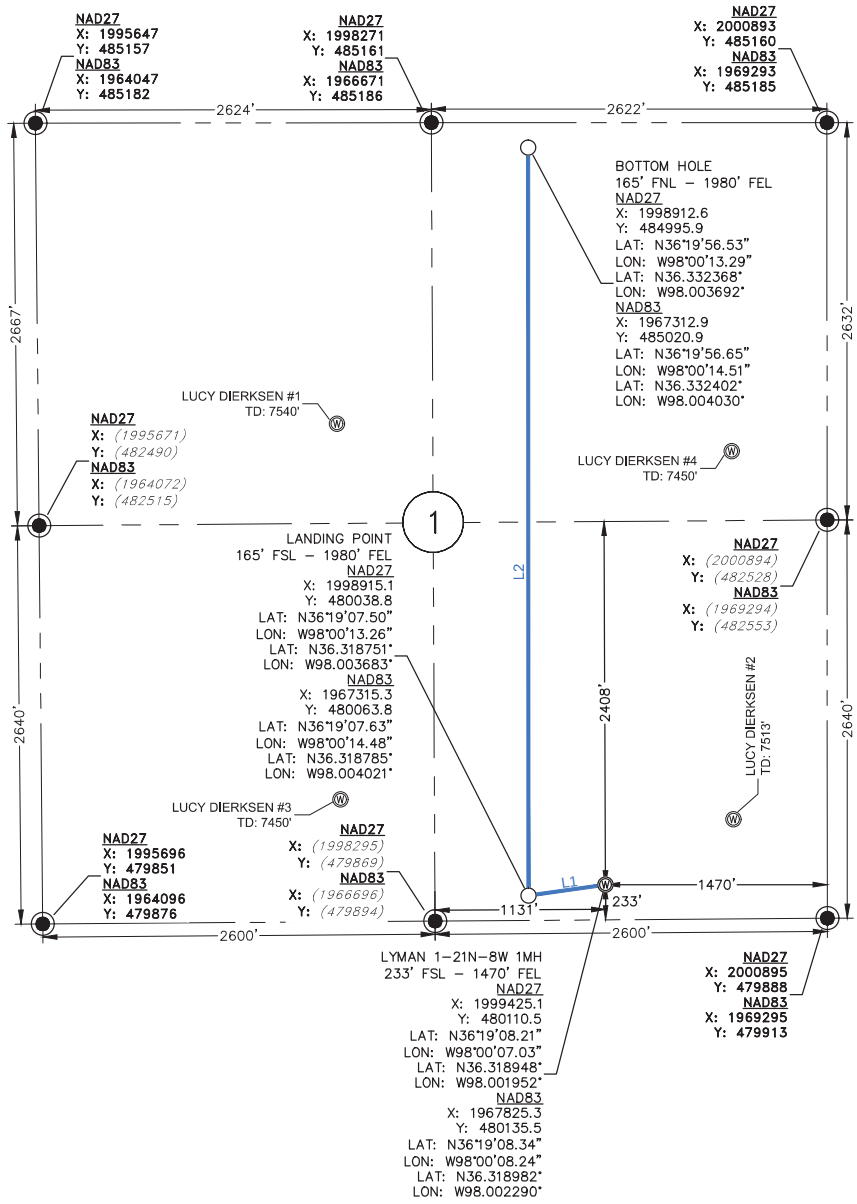
OK STATE PLANE GRID NORTH
US FT Scale: 1"=1000'

EXHIBIT

OPERATOR: WHITE STAR PETROLEUM, LLC
LEASE NAME: LYMAN 1–21N–8W
WELL No.: 1MH

TOPOGRAPHY & VEGETATION: Location fell in flat cultivated field
REFERENCE STAKES OR ALTERNATE LOCATION STAKE(S) SET: NO
GOOD DRILL SITE? YES
BEST ACCESSIBILITY TO LOCATION: From Longhorn Trail on South Side of Pad

DRIVING DIRECTIONS
FROM HWY JCT. OR TOWN: LONGHORN TRAIL 1.7 MILES
FROM INT OF OK HWY 132 AND LONGHORN TRAIL, TRAVEL EAST ON



REV.	DATE	APPD
No. 0	10/18/2017	BW
No. 1	11/30/2017	BW

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

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

LEGEND

- SECTION LINE
- 1/4 SEC. LINE
- DRILL PATH
- EXISTING WELLS WITHIN 1500 FT (OCC DATA)

DOE 1-1N-1W 1MH
TD: 7000'

NOTE:
This exhibit represents a proposed well location and does not represent a true boundary survey. The footages and ties shown are from lines of occupation, and/or ± 1' GPS Accuracy, not from actual property corners.

The information shown herein was derived from occupation lines and/or ± 1' GPS Accuracy.

PARENTHESIS = *(CALCULATED)*

DATUM: NAD27
LAT: N36°19'08.21"
LONG: W98°00'07.03"
LAT: N36.318948°
LONG: W98.001952°

STATE PLANE COORDINATES (US SRV FT):
ZONE: OK NORTH
X: 1999425.1
Y: 480110.5

ELEVATION:
1172.3' GROUND AT STAKE

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	515'
L2:	4957'
WELL DISTANCES	
TO S SECTION LINE:	233'
TO E SECTION LINE:	1470'
TO W 1/4 SEC. LINE:	1131'
TO N 1/4 SEC. LINE:	2408'

CERTIFICATE:

I, Beau Winfrey, an Oklahoma Professional Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

LICENSED PROFESSIONAL LAND SURVEYOR
BEAU WINFREY
1766
STATE OF OKLAHOMA

Oklahoma RPLS No.1766 — 11/30/17 DATE

PREPARED FOR:
WHITE STAR PETROLEUM

SURVEY & MAPPING BY:
PLS
OK CA #7318