

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

API NUMBER: 083 24416

Approval Date: 11/07/2017

Expiration Date: 05/07/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 19N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 230 1945

Lease Name: TED LEWIS 14-19N-4W

Well No: 1MH

Well will be 230 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

JANET D BENNETT
512 EAST JACK CHOATE AVENUE
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5675	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 610642

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706934

Special Orders:

Total Depth: 11000

Ground Elevation: 1061

Surface Casing: 480

Depth to base of Treatable Water-Bearing FM: 230

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 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: 17-33256

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 14 Twp 19N Rge 4W County LOGAN

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1140

Depth of Deviation: 5174

Radius of Turn: 700

Direction: 187

Total Length: 4726

Measured Total Depth: 11000

True Vertical Depth: 5874

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/6/2017 - 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: 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 - 201706934

11/7/2017 - G60 - (E.O.) 14-19N-4W
X610642 MSSP
COMPL. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL
WHITE STAR PETROLEUM, LLC.
REC. 10/23/17 (THOMAS)

SPACING - 610642

11/7/2017 - G60 - (640)(HOR) 14-19N-4W
VAC 122035 MSSLM
EXT 607771 MSSP, OTHERS
COMPL. INT. NCT 660' FB

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

Certificate of Authorization No. 7318

LOGAN

County, Oklahoma

230' FNL - 1945' FWL Section 14 Township 19N Range 4W I.M.

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

3508324416

LANDING POINT	TELEDIS 14-19N-4W 1MH
165° FNL - 1165° FWL	230° FNL - 1945° FWL
<u>NAD27</u>	<u>NAD27</u>
X: 2118266.4	X: 2119046.5
Y: 411585.2	Y: 411523.5
LAT: N36°07'48.12"	LAT: N36°07'47.48"
LON: W97°35'58.29"	LON: W97°35'48.79"
LAT: N36.130033°	LAT: N36.129855°
LON: W97.599526°	LON: W97.596885°
<u>NAD83</u>	<u>NAD83</u>
X: 2086667.3	X: 2087447.4
Y: 411609.7	Y: 411548.0
LAT: N36°07'48.26"	LAT: N36°07'47.62"
LON: W97°35'59.47"	LON: W97°35'49.96"
LAT: N36.130072°	LAT: N36.129894°
LON: W97.599852°	LON: W97.597211°

OPERATOR: White Star Petroleum, LLC
LEASE NAME: Ted Lewis 14-19N-4W
WELL No.: 1MH

TOPOGRAPHY & VEGETATION: Location fell in flat cultivated field
 GOOD DRILL SITE? YES REFERENCE STAKES OR ALTERNATE
 LOCATION STAKE(S) SET: NO
 BEST ACCESSIBILITY TO LOCATION: From CR E6610 on North side of Pad
 DRIVING DIRECTIONS FROM INT OF HWYS 74 AND 51, TRAVEL NORTH ON HWY 74 1.0
MILES TO CR E6610, THEN WEST ON CR E6610 0.6 MILES
 FROM HWY JCT. OR TOWN:

THE INFORMATION SHOWN HEREIN IS FOR
CONSTRUCTION PURPOSES ONLY

LANDING POINT, BOTTOM HOLE AND DRILL P/

INFORMATION PROVIDED BY OPERATOR LIST

No. 0	09/28/2017	BW
REV.	DATE	APP'D

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

DATUM: NAD27

LAT: N36°07'47.48"
LONG: W97°35'48.79"
LAT: N36.129855°
LONG: W97.596885°

STATE PLANE
COORDINATES (US SRV FT):
ZONE: OK NORTH
X: 2119046.5
Y: 411523.5

ELEVATION:
1060.5' GROUND AT STAKE

PARENTHESIS = (*CALCULATED*)

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	783'
L2:	4943'
WELL DISTANCES	
TO N SECTION LINE:	230'
TO W SECTION LINE:	1945'
TO E 1/4 SEC. LINE:	680'
TO S 1/4 SEC. LINE:	2411'

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.



Oklahoma RPLS No.1766

9/28/17
DATE

PREPARED FOR:



SURVEY & MAPPING BY:

