

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

API NUMBER: 083 24410

Approval Date: 08/08/2017  
Expiration Date: 02/08/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 18N Rge: 3W

County: LOGAN

SPOT LOCATION:  SE  SW  SW  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 327 2074

Lease Name: EARL 21-18N-3W

Well No: 1MH

Well will be 327 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

KIM KNOX  
3801 BURNS RD.  
EDMOND OK 73034

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5614	6
2			7
3			8
4			9
5			10

Spacing Orders: 606748

Location Exception Orders: 658874

Increased Density Orders: 658873

Pending CD Numbers:

Special Orders:

Total Depth: 10800

Ground Elevation: 960

**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 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: 17-32873

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 21 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2500

Depth of Deviation: 5214

Radius of Turn: 600

Direction: 360

Total Length: 4643

Measured Total Depth: 10800

True Vertical Depth: 5814

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

Notes:

Category	Description
HYDRAULIC FRACTURING	<p>7/28/2017 - G58 - 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: <a href="http://www.occeweb.com/og/ogforms.html">HTTP://WWW.OCCWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a></p>
INCREASED DENSITY - 658873	<p>8/8/2017 - G60 - 21-18N-3W X606749 MSSP 1 WELL WHITE STAR PETROLEUM, LLC. 12/13/16</p>
LOCATION EXCEPTION - 658874	<p>8/8/2017 - G60 - (I.O.) 21-18N-3W X606748 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FEL WHITE STAR PETROLEUM, LLC. 12/13/16</p>
SPACING - 606748	<p>8/8/2017 - G60 - (640)(HOR) 21-18N-3W EXT 598742 MSSP, OTHERS POE TO BHL (MSSP) NLT 660' FB (SUPERSEDE SP. 70019 MSSLM)</p>

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3508324410

PETRO LAND SERVICES SOUTH, LLC

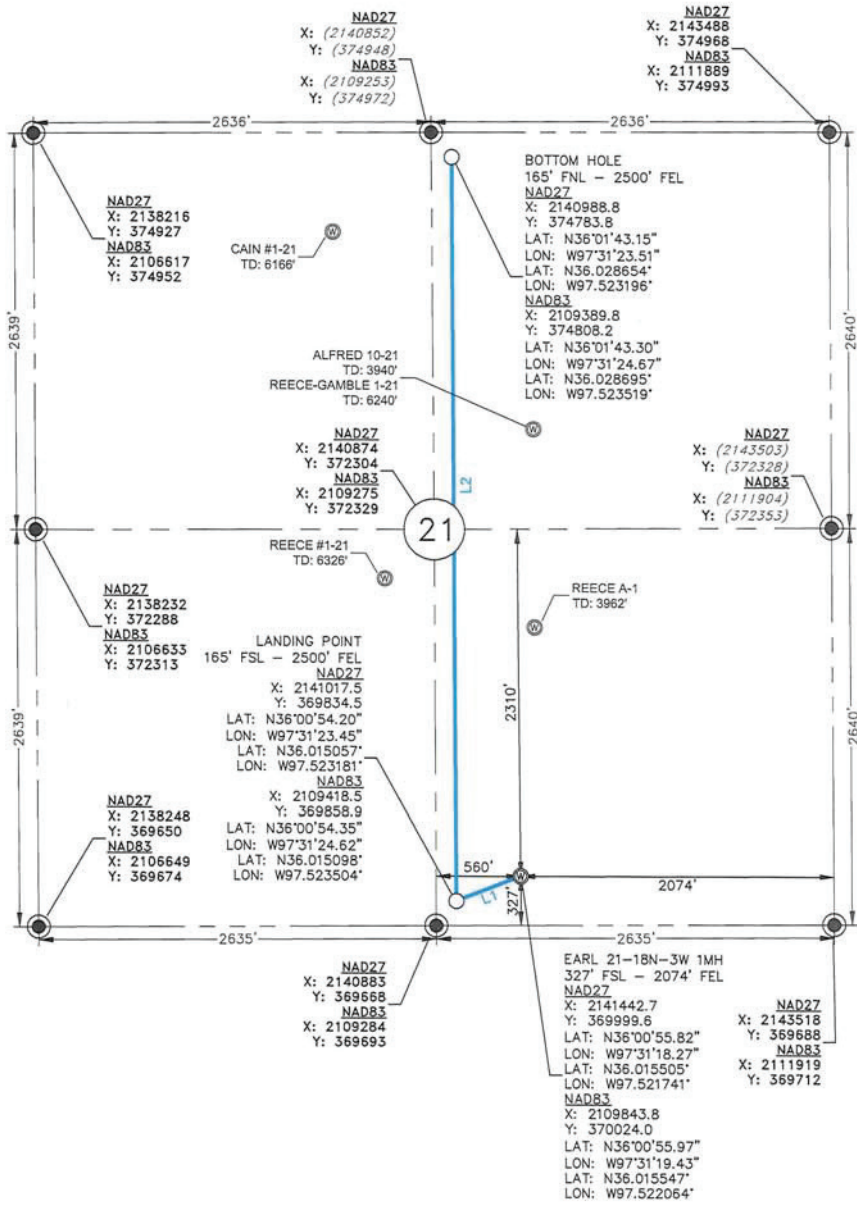
10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318

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

LOGAN County, Oklahoma  
237' FSL - 2074' FEL Section 21 Township 18N Range 3W I.M.

EXHIBIT

OPERATOR: White Star Petroleum, LLC  
LEASE NAME: Earl 21-18N-3W  
WELL No.: 1MH  
TOPOGRAPHY & VEGETATION: Location fall in flat open cultivated field  
GOOD DRILL SITE? YES  
BEST ACCESSIBILITY TO LOCATION: South Section Line Road (CR EW 0690)  
DRIVING DIRECTIONS FROM INT OF HWYS 74 AND 51, TRAVEL SOUTH ON HWY 74, 7.0 MILES TO CR EW0690, THEN EAST ON CR EW0690, 3.6 MILES



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

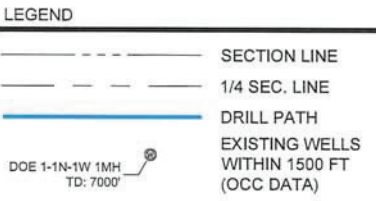
LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

No.	Date	By
0	12/8/16	BW
1	03/14/17	BW
2	07/17/17	BW

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

DATUM: NAD27  
LAT: N36°00'55.82"  
LONG: W97°31'18.27"  
LAT: N36.015505'  
LONG: W97.521741'  
STATE PLANE COORDINATES (US SRV FT):  
ZONE: OK NORTH  
X: 2141442.7  
Y: 369999.6

ELEVATION: 960.1' GROUND AT STAKE



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.

PARENTHESIS = (CALCULATED)

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	456'
L2:	4949'
WELL DISTANCES	
TO S SECTION LINE:	327'
TO E SECTION LINE:	2074'
TO W 1/4 SEC. LINE:	560'
TO N 1/4 SEC. LINE:	2310'

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 DATE 7/17/17

PREPARED FOR: WHITE STAR PETROLEUM  
SURVEY & MAPPING BY: PLS