

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

API NUMBER: 083 24402

Approval Date: 03/30/2017
Expiration Date: 09/30/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 18N Rge: 2W

County: LOGAN

SPOT LOCATION: SE SW SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 288 1815

Lease Name: MASTERSON 27-18N-2W

Well No: 2MH

Well will be 288 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM LLC

Telephone: 8444024903; 8444024

OTC/OCC Number: 23358 0

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

VERL & RUTH ANN PLAIN
13586 N. HIGHWAY 77
MULHALL OK 73063

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5331	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 616316

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201701350
201701349

Special Orders:

Total Depth: 11400

Ground Elevation: 1025

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 250

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: 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-32351

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 27 Twp 18N Rge 2W County LOGAN

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2320

Depth of Deviation: 4581

Radius of Turn: 750

Direction: 177

Total Length: 5641

Measured Total Depth: 11400

True Vertical Depth: 5491

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/30/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

PENDING CD - 201701349

3/30/2017 - G60 - 27-18N-2W
X616316 MSSP
1 WELL
NO OP. NAMED
REC. 3/28/17 (M. PORTER)

PENDING CD - 201701350

3/30/2017 - G60 - (I.O.) 27-18N-2W
X616316 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1800' FEL
NO OP. NAMED
REC. 3/28/17 (M. PORTER)

SPACING - 616316

3/30/2017 - G60 - (640)(HOR) 27-18N-2W
EST OTHERS
EXT 609642 MSSP, OTHERS
COMPL. INT. NCT 600' FB
(SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

3508324402

PETRO LAND SERVICES SOUTH, LLC

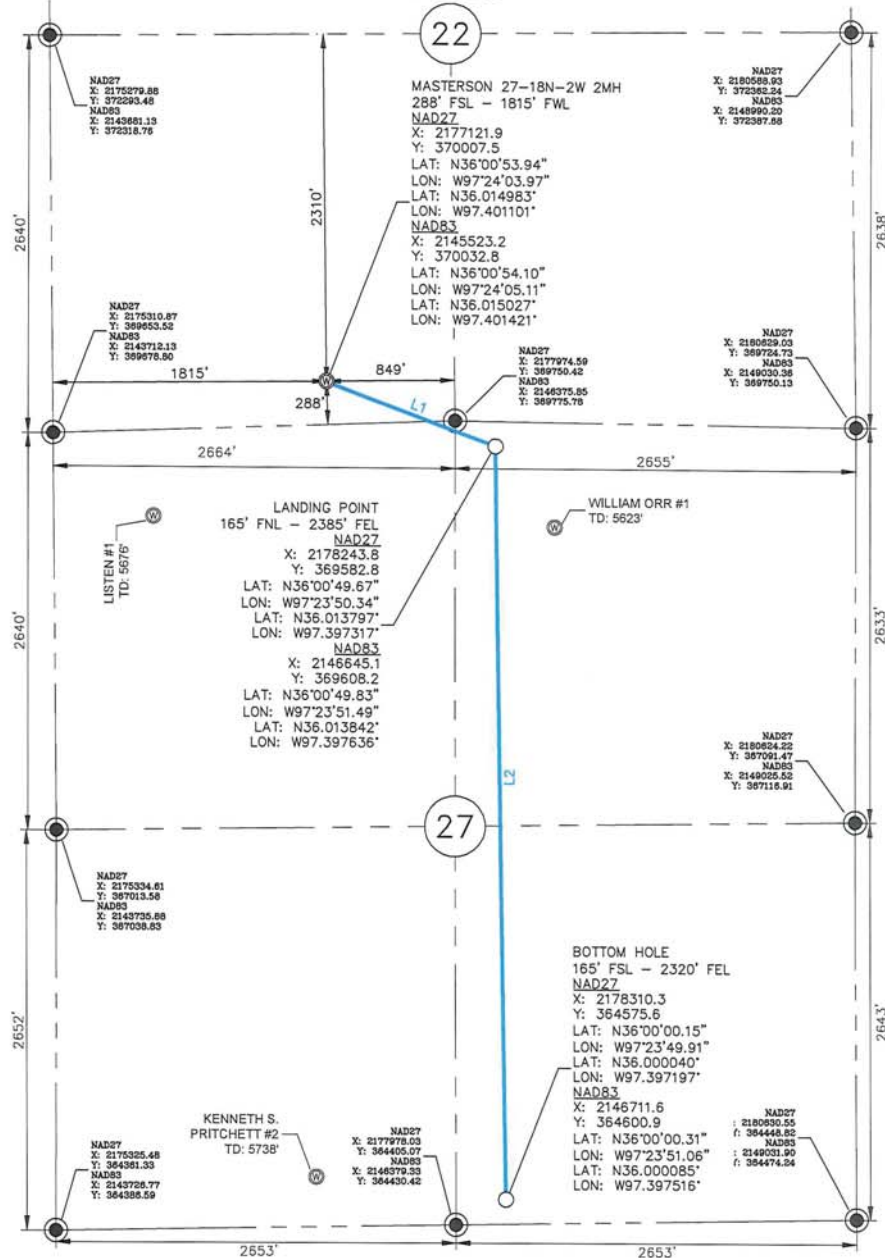
10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318

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

LOGAN County, Oklahoma
288' FSL - 1815' FWL Section 22 Township 18N Range 2W I.M.

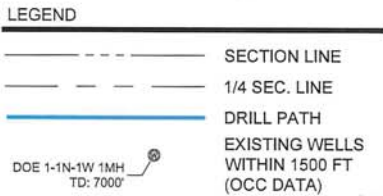
EXHIBIT

OPERATOR: WHITE STAR PETROLEUM, LLC
LEASE NAME: MASTERSON 27-18N-2W
WELL No.: 2MH
TOPOGRAPHY & VEGETATION: Location fell on existing well pod
GOOD DRILL SITE? YES
BEST ACCESSIBILITY TO LOCATION: CR E0690 on south side of pod
DRIVING DIRECTIONS: FROM SOUTH END OF MULHALL DRIVE SOUTH ON US HWY 77 FOR 3.3 MILES TO CR E0690, THEN EAST ON CR E0690 0.3 MILES



REV.	DATE	APP'D
No. 0	03/24/17	BW

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.



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°00'53.94"
LONG: W97°24'03.97"
LAT: N36.014983°
LONG: W97.401101°
STATE PLANE COORDINATES (US SRV FT):
ZONE: OK NORTH
X: 2177121.9
Y: 370007.5

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	1201'
L2:	5008'
WELL DISTANCES	
TO S SECTION LINE:	288'
TO W SECTION LINE:	1815'
TO E 1/4 SEC. LINE:	849'
TO N 1/4 SEC. LINE:	2310'

ELEVATION:
1024.8' GROUND AT STAKE

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.



PREPARED FOR:



SURVEY & MAPPING BY:



Oklahoma RPLS No. 1766 DATE 3/27/17