

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

API NUMBER: 047 25098

Approval Date: 05/16/2017
Expiration Date: 11/16/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 21N Rge: 5W County: GARFIELD
SPOT LOCATION: NE NW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 230 1815

Lease Name: PEARL 9-21N-5W Well No: 1MH Well will be 230 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

RENE EGGERS
P.O. BOX 90
COVINGTON OK 73730

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6115	6	
2	SYLVAN	6618	7	
3			8	
4			9	
5			10	

Spacing Orders: 627109

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201701495

Special Orders:

Total Depth: 11600

Ground Elevation: 1137

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

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: 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 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: 17-32254

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 09 Twp 21N Rge 5W County GARFIELD

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 915

Depth of Deviation: 5415

Radius of Turn: 700

Direction: 187

Total Length: 5085

Measured Total Depth: 11600

True Vertical Depth: 6618

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

Notes:

Category	Description
HYDRAULIC FRACTURING	5/9/2017 - 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/ 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 - 201701495	5/16/2017 - G60 - (I.O.) 9-21N-5W X627109 MSSP, SLVN COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC. 4/3/17 (LEAVITT)
SPACING - 627109	5/16/2017 - G60 - (640)(HOR) 9-21N-5W EXT 614053 MSSP, SLVN, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (SLVN) NCT 330' FB (COEXIST WITH SP. ORDER 70806/369407 MSSLM)

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

230' FNL - 1815' FWL Section 9 Township 21N Range 5W I.M.

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

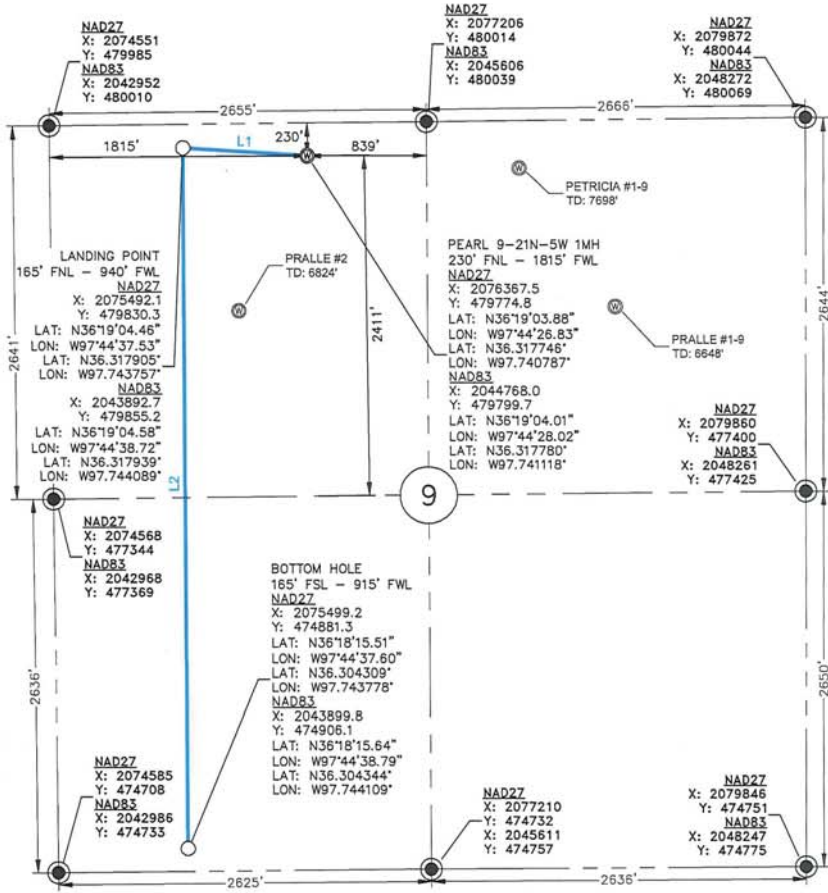
3504725098

EXHIBIT

OPERATOR: WHITE STAR PETROLEUM, LLC
LEASE NAME: PEARL 9-21N-5W
WELL No.: 1MH

TOPOGRAPHY & VEGETATION: Location fall in sloped open pasture
GOOD DRILL SITE? YES
BEST ACCESSIBILITY TO LOCATION: FROM S. 102ND ST. AT NE CORNER OF SECTION
DRIVING DIRECTIONS: FROM INT OF HWYS 412 AND B1, TRAVEL EAST ON HWY 412 9.1
MILES TO S. 102ND ST., THEN SOUTH ON S. 102ND ST. 5.5 MILES,
THEN WEST 0.7 MILES ON LEASE ROAD

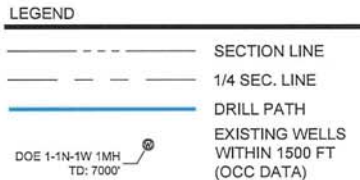
REFERENCE STAKES OR ALTERNATE
LOCATION STAKE(S) SET: NO



THE INFORMATION SHOWN HEREIN IS FOR
CONSTRUCTION PURPOSES ONLY

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

No.	02/21/17	BW
REV.		
DATE		



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°19'03.88"
LONG: W97°44'26.83"
LAT: N36.317746°
LONG: W97.740787°

STATE PLANE
COORDINATES (US SRV FT):
ZONE: OK NORTH
X: 2076367.5
Y: 479774.8

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	877'
L2:	4949'
WELL DISTANCES	
TO N SECTION LINE:	230'
TO W SECTION LINE:	1815'
TO E 1/4 SEC. LINE:	2411'
TO S 1/4 SEC. LINE:	839'

ELEVATION:
1136.7' 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.



Oklahoma RPLS No. 1766 DATE 3/11/17

PREPARED FOR:



SURVEY & MAPPING BY:

