

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

API NUMBER: 083 24397

Approval Date: 01/05/2017
Expiration Date: 07/05/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 19N Rge: 3W

County: LOGAN

SPOT LOCATION: SW SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 236 1182

Lease Name: LINDEN 32-19N-3W

Well No: 2MH

Well will be 236 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

WILLIAM & JULIANA MCINTOSH
7440 N. PENN
GUTHRIE OK 73044

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5608	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 613220

Location Exception Orders: 658878

Increased Density Orders: 658876

659528

Pending CD Numbers:

Special Orders:

Total Depth: 11000

Ground Elevation: 1027

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 300

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: 17-31991

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 32 Twp 19N Rge 3W County LOGAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 405

Depth of Deviation: 4958

Radius of Turn: 650

Direction: 3

Total Length: 5021

Measured Total Depth: 11000

True Vertical Depth: 5732

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

Notes:

Category	Description
HYDRAULIC FRACTURING	1/4/2017 - 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.
INCREASED DENSITY - 658876	1/4/2017 - G60 - 32-19N-3W X613220 MSSP 2 WELLS WHITESTAR PETROLEUM, LLC 12/13/16
LOCATION EXCEPTION - 658878	1/4/2017 - G60 - (I.O.) 32-19N-3W X613220 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FEL WHITESTAR PETROLEUM, LLC 12/13/16
LOCATION EXCEPTION - 659528	1/5/2017 - G60 - NPT 659528 FROM 1320' FEL TO 330' FEL
SPACING - 613220	1/4/2017 - G60 - (640)(HOR) 32-19N-3W EXT 600394 MSSP, OTHERS POE TO BHL NLT 660' FB (COEXIST WITH 71472/139667 MSSLM)

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