

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

API NUMBER: 083 24395 A

Approval Date: 12/20/2016
Expiration Date: 06/20/2017

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION: REMOVE INCREASED DENSITY

AMEND PERMIT TO DRILL

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

County: LOGAN

SPOT LOCATION: SE SE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 210 2344

Lease Name: ANNA MARY 32-19N-3W

Well No: 1MH

Well will be 210 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

WHITE STAR PETROLEUM, LLC
P.O. BOX 13360
OKLAHOMA CITY OK 73113

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5623	6
2			7
3			8
4			9
5			10

Spacing Orders: 613220

Location Exception Orders: 658879

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11000

Ground Elevation: 1033

Surface Casing: 560

Depth to base of Treatable Water-Bearing FM: 310

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: 16-31860

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: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1840

Depth of Deviation: 4873

Radius of Turn: 750

Direction: 360

Total Length: 4949

Measured Total Depth: 11000

True Vertical Depth: 5724

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

Notes:

Category	Description
HYDRAULIC FRACTURING	12/16/2016 - 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.
LOCATION EXCEPTION - 658879	12/20/2016 - G60 - (I.O.) 32-19N-3W X613220 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FWL WHITESTAR PETROLEUM, LLC 12/13/16
SPACING - 613220	12/20/2016 - 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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