

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

API NUMBER: 047 25079 A

Approval Date: 12/01/2016
Expiration Date: 06/01/2017

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION, SURFACE OWNER INFORMATION, SOIL FARMING PERMIT NUMBER, & FORMATION DEPTH

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 21N Rge: 5W

County: GARFIELD

SPOT LOCATION: NE NE NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 247 2436

Lease Name: ODIE 1-21N-5W

Well No: 1MH

Well will be 247 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

JACKELYN RUTH KAISER
DRAWER M
COVINGTON OK 73730

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5896	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 625919

Location Exception Orders: 658295

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11100

Ground Elevation: 1153

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 400

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: 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-31989

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 01 Twp 21N Rge 5W County GARFIELD

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1590

Depth of Deviation: 5164

Radius of Turn: 825

Direction: 356

Total Length: 4640

Measured Total Depth: 11100

True Vertical Depth: 6395

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

Notes:

Category	Description
HYDRAULIC FRACTURING	11/28/2016 - 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 - 658295	11/29/2016 - G64 - (I.O.) 1-21N-5W X625919 MSSP, OTHER COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1320' FWL WHITE STAR PETROLEUM, LLC 11-23-2016
SPACING - 625919	11/29/2016 - G64 - (640)(HOR) 1-21N-5W VAC 163503 MSSSD, OTHERS VAC 164370 MSSSD, OTHERS VAC 166673 MSSSD, OTHERS VAC OTHER EXT 605496 MSSP, OTHERS EST OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 173625 MSSSD)

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