

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

API NUMBER: 081 24264

Approval Date: 05/11/2016

Expiration Date: 11/11/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 16N Rge: 3E

County: LINCOLN

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 231 1832

Lease Name: THOMAS 13-16N-3E

Well No: 2MH

Well will be 231 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM LLC

Telephone: 4056085540

OTC/OCC Number: 23358 0

WHITE STAR PETROLEUM LLC
PO BOX 13710
OKLAHOMA CITY, OK 73113

THOMAS W. & RHODA G. CLINE
820506 S. 3480 RD.
STROUD OK 74079

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4404	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 648997

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601502
201601504

Special Orders:

Total Depth: 10000

Ground Elevation: 978

Surface Casing: 750

Depth to base of Treatable Water-Bearing FM: 410

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: OSCAR

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31229
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 13 Twp 16N Rge 3E County LINCOLN

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 3567

Radius of Turn: 900

Direction: 15

Total Length: 5019

Measured Total Depth: 10000

True Vertical Depth: 4467

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

5/3/2016 - 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/](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 - 201601502

5/3/2016 - G64 - 13-16N-3E
X648997 MSSP
2 WELLS
NO OP. NAMED
REC. 5-9-2016 (THOMAS)

PENDING CD - 201601504

5/3/2016 - G64 - (I.O.) 13-16N-3E
X648997 MSSP, OTHERS
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
NO OP. NAMED
REC. 5-9-2016 (THOMAS)

SPACING - 648997

5/3/2016 - G64 - (640)(HOR) 13-16N-3E
EST MSSP, OTHERS
POE TO BHL NLT 660' FB

SURFACE CASING

5/3/2016 - G71 - MIN. 500' PER ORDER # 70129/70186/77556

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.

081 24264 THOMAS 13-16N-3E 2MH