

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

API NUMBER: 083 24390

Approval Date: 08/17/2016  
Expiration Date: 02/17/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 18N Rge: 2W

County: LOGAN

SPOT LOCATION:  SE  SW  SE  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 230 1755

Lease Name: MASTERSON 27-18N-2W

Well No: 1MH

Well will be 230 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM LLC

Telephone: 8444024903

OTC/OCC Number: 23358 0

WHITE STAR PETROLEUM LLC  
PO BOX 13360  
OKLAHOMA CITY, OK 73113-1360

VERL AND RUTH ANN PLAIN  
13586 NORTH HIGHWAY 77  
MULHALL OK 73063

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5371	6
2			7
3			8
4			9
5			10

Spacing Orders: 616316

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603065

Special Orders:

Total Depth: 10500

Ground Elevation: 1026

**Surface Casing: 300**

Depth to base of Treatable Water-Bearing FM: 250

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 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: GARBER

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31475

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 27 Twp 18N Rge 2W County LOGAN

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1225

Depth of Deviation: 4851

Radius of Turn: 650

Direction: 183

Total Length: 4628

Measured Total Depth: 10500

True Vertical Depth: 5501

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

Notes:

Category	Description
HYDRAULIC FRACTURING	8/5/2016 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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 - 201603065	8/5/2016 - G60 - (E.O.) 27-18N-2W X616316 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL WHITE STAR PETROLEUM, LLC. REC. 8-16-16 (THOMAS)
SPACING - 616316	8/5/2016 - G60 - (640)(HOR) 27-18N-2W EST OTHERS EXT 609642 MSSP, OTHERS COMPL. INT. NCT 600' FB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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.

APPLICATION TO DRILL, RECOMPLETE OR REENTER

FORM 1000  
REV. 2014

FILE ORIGINAL ONLY

PLEASE TYPE OR USE BLACK INK

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

BATCH NUMBER (OCC USE ONLY)

1. OTC/OCC OPERATOR NUMBER  
**23358**

2. API NUMBER  
**083-24390**

3. NOTICE OF INTENT TO: (CHECK ONLY ONE)  
 DRILL  RECOMPLETE  REENTER  DEEPEN  AMEND - REASON

4. TYPE OF DRILLING OPERATION >>>>>>> (NOTE: If directional or horizontal, see reverse side for bottom hole location)

A.  STRAIGHT HOLE  DIRECTIONAL HOLE  HORIZONTAL HOLE  
B.  OIL/GAS  INJECTION  DISPOSAL  WATER SUPPLY  STRAT TEST  SERVICE WELL

5. WELL LOCATION:

SECTION	22	TOWNSHIP	18N	RANGE	2W	COUNTY	LOGAN
SPOT LOCATION:		SE 1/4	SW 1/4	SE 1/4	SW 1/4	FEET FROM QUARTER SECTION LINES:	from SOUTH LINE 230' from WEST LINE 1755'

7. Well will be **230** feet from nearest unit or property boundary.

8. LEASE NAME: **MASTERTON 27-18N-2W** WELL NUMBER: **1MH**

9. NAME OF OPERATOR: **WHITE STAR PETROLEUM, LLC** EMAIL ADDRESS: **TYLER.FIXLEY@WSTR.COM**  
ADDRESS: **P.O. BOX 13360** PHONE (ACNUMBER) **844-402-4903**

CITY: **OKLAHOMA CITY** STATE: **OK** ZIP CODE: **73113**

10. SURFACE OWNER (ONE ONLY, ATTACH SHEET FOR ADDITIONAL OWNERS)  
**VERL & RUTH ANN PLAIN**

ADDRESS: **13586 N. HIGHWAY 77**

CITY: **MULHALL** STATE: **OK** ZIP CODE: **73063**

14. LIST TARGET FORMATIONS AND DEPTHS OF EACH BELOW (LIMITED TO TEN)

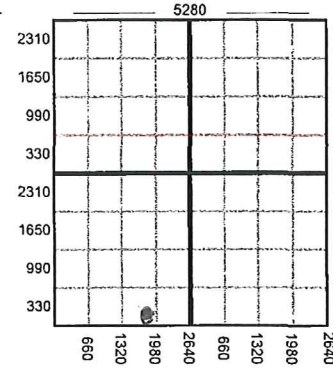
- 1) MISSISSIPPIAN 5371' 6)
- 2) API: 083-24390
- 3) API: 083-24390
- 4) API: 083-24390 etc. 8/19/16
- 5) 10) Signature: *Robt A Mc Coy for*

TEMPORARY AUTHORIZATION TO DRILL

Date Operation to Begin: 08/20/16

Signature: *Robt A Mc Coy for*

165:10-3-1



15. SPACING ORDER NUMBER(S) AND SIZE UNIT(S):  
**E.O. Hearing 8-19-2016** **616316 - 640** *Hollinger*

16. PENDING APPLICATION C.D. NO. **201603065** 17. LOCATION EXCEPTION ORDER NO. 18. INCREASED DENSITY ORDER NO.

19. TOTAL DEPTH **10500'** 20. GROUND ELEV. **1026'** 21. BASE OF TREATABLE WATER **250'** 22. SURFACE CASING **300'** 23. ALT CASING PROG USED?  Y  N

24. ALTERNATIVE CASING PROCEDURE, check box and fill in blank (AFFIDAVIT REQUIRED, see reverse side, line 31.)  
 A. Cement will be circulated from total depth to ground surface on the production casing string.  
 B. Cement will be circulated from \_\_\_\_\_ depth to \_\_\_\_\_ depth by use of a two stage cementing tool.

25.1. PIT INFORMATION: Using more than one pit or mud system?  Y  N If yes, fill out line 25.2 on top reverse side.  
A. TYPE OF MUD SYSTEM:  WATER BASED  OIL BASED  GAS BASED (AIR DRILL)

B. EXPECTED MUD CHLORIDE CONTENT: maximum: **5000** ppm; average: **3000** ppm.

PIT #1 C. TYPE OF PIT SYSTEM:  on-site  off-site  closed If off-site, specify location: \_\_\_\_\_

D. IS DEPTH TO TOP OF GROUND WATER GREATER THAN 10 FT BELOW BASE OF PIT?  Y  N  
E. WITHIN 1 MILE OF MUNICIPAL WATER WELL?  Y  N  
F. WELLHEAD PROTECTION AREA?  Y  N Off-Site Pit No. \_\_\_\_\_

26.1 OCC USE ONLY A. CATEGORY 1A 1B 2 3 4  C  
B. PIT LOCATION:  Alluvial Plain  Terrace Deposit  Bedrock Aquifer  Other H.S.A.  Non-H.S.A. Fr: **Garber**  
C. Special area or field rule?  D. DEEP SCA?  Y  N E. CBL required?  Y  N  
F. SOIL COMPACTED LINER REQUIRED?  Y  N G. 20 mil GEOMEMBRANE LINER REQUIRED?  Y  N

27. PROPOSED METHOD FOR DISPOSAL OF DRILLING FLUIDS (MUST BE COMPLETED)

- A. Evaporation/dewater and backfilling of reserve pit.
- B. Public Landfill: Location \_\_\_\_\_
- C. Annular Injection (REQUIRES PERMIT and surface casing set 200 feet below base of treatable water-bearing formation.) PERMIT NO. \_\_\_\_\_
- D. One time land application (REQUIRES PERMIT) PERMIT NO. **16-31475**
- E. Haul to Commercial pit facility; Specify site: \_\_\_\_\_ Order No. \_\_\_\_\_
- F. Haul to Commercial soil farming facility; Specify site: \_\_\_\_\_ Order No. \_\_\_\_\_
- G. Haul to recycling/re-use facility; Specify site: \_\_\_\_\_ Order No. \_\_\_\_\_
- H. Other, Specify: **closed system = steels pits per operator request**

I hereby certify I am authorized to submit this two page application prepared by me or under my supervision.

The facts and proposals made herein are true, correct and complete to the best of my knowledge and belief.

SIGNATURE: *Tyler Fixley* NAME (Print or Type) **TYLER FIXLEY** PHONE (AC.NO.) **405-252-5886** FAX (AC.NO.) DATE **08/04/16**

NOTICE: Approval is void if operations have not commenced within six months of the date of approval. An approved permit must be posted at the location during drilling and completion operations. File the Form 1001A, Spud Report, within fourteen days of commencement of operations.

SEC TOWNSHIP RANGE



NOTIFY DISTRICT OFFICE 24 HOURS PRIOR TO CEMENTING SURFACE CASING.

25.2. PIT INFORMATION:

A. TYPE OF MUD SYSTEM: WATER BASED OIL BASED GAS BASED (AIR DRILL)  
 B. EXPECTED MUD CHLORIDE CONTENT: maximum: \_\_\_\_\_ ppm; average: \_\_\_\_\_ ppm.  
 PIT #2 C. TYPE OF PIT SYSTEM: on-site off-site closed If off-site, specify location: \_\_\_\_\_  
 D. IS DEPTH TO TOP OF GROUND WATER GREATER THAN 10 FT BELOW BASE OF PIT? Y N  
 E. WITHIN 1 MILE OF MUNICIPAL WATER WELL? Y N  
 F. WELLHEAD PROTECTION AREA? Y N Off-Site Pit No. \_\_\_\_\_

26.2 OCC USE ONLY A. CATEGORY 1A 1B 2 3 4 C Fm: \_\_\_\_\_  
 B. PIT LOCATION: Aluvial Plain Terrace Deposit Bedrock Aquifer Other H.S.A. Non-H.S.A.  
 C. Special area or field rule? \_\_\_\_\_ D. DEEP SCA? Y N E. CBL? Y N  
 F. SOIL COMPACTED LINER REQUIRED? Y N G. 20 mil GEOMEMBRANE LINER REQUIRED Y N

29 Bottom Hole Location SEC TWP RGE COUNTY  
 for Directional Hole:  
 SPOT LOCATION: 1/4 1/4 1/4 1/4 FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES: \_\_\_\_\_

Measured Total True Vertical BHL from nearest Lease, Unit, Or Property Line:  
 Depth Depth

30. Bottom Hole Location for Horizontal Hole: (LATERALS)

LATERAL #1: SEC 27 TWP 18N RGE 2W COUNTY LOGAN

SPOT LOCATION: SE 1/4 SE 1/4 SW 1/4 SW 1/4 FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES: 165' 1225'

Depth of Deviation Radius of Turn Direction Total Length  
 4851' 650' 183' 4628'

Measured Total True Vertical End Point location from nearest lease, unit  
 Depth Depth or property line: 165'

LATERAL #2: SEC TWP RGE COUNTY

SPOT LOCATION: 1/4 1/4 1/4 1/4 FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES: \_\_\_\_\_

Depth of Deviation Radius of Turn Direction Total Length

Measured Total True Vertical End Point location from nearest lease, unit  
 Depth Depth or property line: \_\_\_\_\_

LATERAL #3: SEC TWP RGE COUNTY

SPOT LOCATION: 1/4 1/4 1/4 1/4 FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES: \_\_\_\_\_

Depth of Deviation Radius of Turn Direction Total Length

Measured Total True Vertical End Point location from nearest lease, unit  
 Depth Depth or property line: \_\_\_\_\_

31. AFFIDAVIT FOR ALTERNATIVE CASING PROGRAM (Signature on front of this form attests to this affidavit)

- This well WILL WILL NOT penetrate any known lost circulation zones.
- During the drilling of this well, withdrawals from any water well within 1/4 mile WILL WILL NOT exceed 50 gallons per minute.
- The projected depth of the well IS IS NOT less than 100 feet from the top of any enhanced recovery project or gas storage facility.
- List the following for all water wells within 1/4 mile of this well. (Information concerning some water wells may be obtained from the OKLAHOMA WATER RESOURCES BOARD, 3800 N. Classen Blvd., Oklahoma City, OK 73118). IF NO WATER WELLS FOUND, SO STATE. (ATTACH ADDITIONAL SHEET IF NECESSARY)

Name of Owner/Operator	Address of Owner/Operator	Location (Nearest 1/4 1/4 1/4 1/4)	Depth of Well

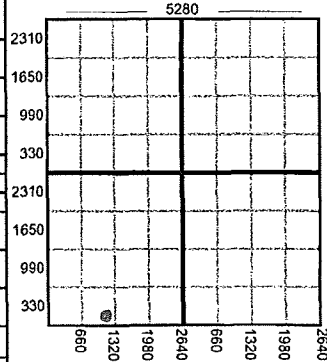
- A cement bond log is required to be run and submitted from not less than 100 feet below the base of the treatable water-bearing formation to the surface. OCC USE ONLY
- If casing depth is more than 250 feet deeper than base of the treatable water-bearing formation, operator must submit a letter of request listing reasons and precautions to be taken.

INTENT TO DRILL CHECKLIST OCC USE ONLY OCC USE ONLY

APPROVED SD REJECTED \_\_\_\_\_  
 1. SURETY 6/17/17  
 A. NONE filed.  
 B. EXPIRED: Date \_\_\_\_\_  
 C. OUTSTANDING CONTEMPT ORDER.  
 4. GEOLOGY \_\_\_\_\_

DO NOT WRITE INSIDE THIS BOX

28. Locate Bottom Hole



- If more than two drainholes are proposed, attach separate sheet indicating the necessary information.
- Direction must be stated in degrees azimuth.
- Please note the horizontal drainhole and its end point must be located within the legal boundaries of the lease or spacing unit. Directional surveys are required for all drainholes and directional wells.

Case: 000000000  
 Payor: WHITE STAR PETROLEUM, LLC  
 Check: 00018444  
 46 Intent to Drill  
 Date: 08/04/2016 Time: 15:01  
 Cashier: MFN  
 \$175.00  
 RECEIPT 1701020143  
 OKLA CORP COMM

**PETRO LAND SERVICES SOUTH, LLC**

10404 VINEYARD BLVD. SUITE D, OKLA. CITY, OKLA. 73120 • OFFICE (405) 212-3108  
Certificate of Authorization No. 7318

LOGAN

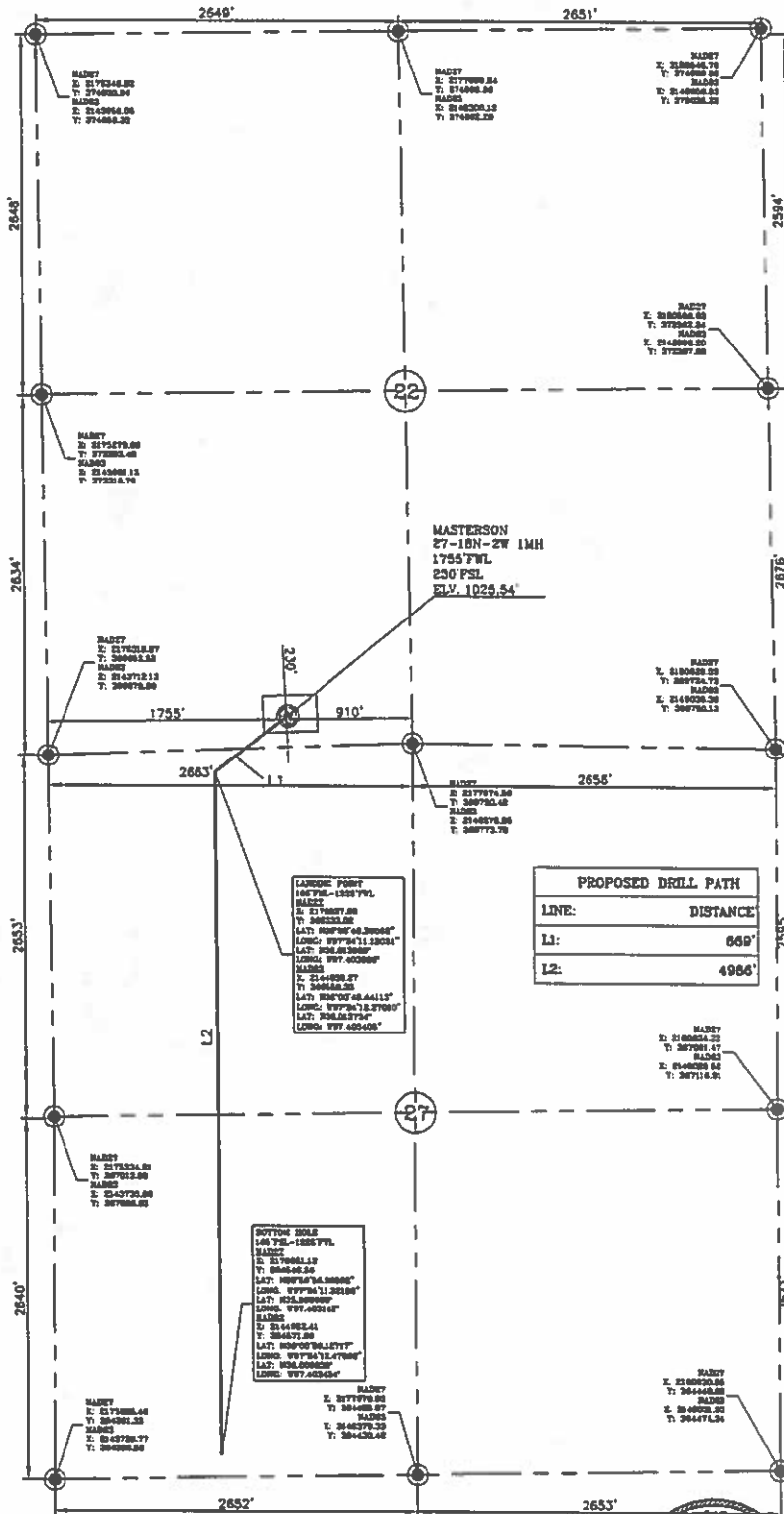
County Oklahoma

1755'FWL-230'FSL Section 22 Township 18N Range 2W 1.M.

GRID  
NAD 87  
OK NORTH  
US FEET  
SCALE:  
1" = 1000'

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY. LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: WHITE STAR PETROLEUM, LLC  
Lease Name: MASTERTSON 27-18N-2W 1M  
Topography & Vegetation: OPEN PASTURE  
Reference Stakes or Alternate Location: NO  
Good Drill Site? YES Stakes Set: 1755'FWL-230'FSL  
Distance & Direction FROM MINIMAL OR HEAD SOUTH ON HWY 77 APPROX 3.5 MILES TO THE SW CORNER OF SECTION 22



PROPOSED DRILL PATH	
LINE:	DISTANCE
L1:	660'
L2:	4986'

**BOTTOM HOLE**  
180°FB-1800'FWL  
BLKCC  
S: 217987.00  
T: 28822.00  
LAT: N00°00'00.0000"  
LONG: W07°00'00.0000"  
LST: N00°00'00.0000"  
LNS: W07°00'00.0000"  
BLKCC  
S: 214488.27  
T: 28842.20  
LST: N00°00'00.0000"  
LONG: W07°00'00.0000"  
LST: N00°00'00.0000"  
LNS: W07°00'00.0000"

DATUM: NAD 87  
LAT: N36°00'53.34602"  
LONG: W97°24'04.70175"  
LAT: N35°01'48.15"  
LONG: W97°40'30.5"  
STATE PLANE COORDINATES (US FEET):  
ZONE: OKLAHOMA NORTH  
X: 2177061.78  
Y: 389947.32

WELL DISTANCES	
TO S. SECTION LINE:	230'
TO W. SECTION LINE:	1755'
TO W 1/4 LINE:	784'
TO N 1/4 LINE:	2368'

**CERTIFICATE:**  
I, Mark T. Gay, an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

*Mark T. Gay*  
Oklahoma/RPLS No. 1354



Based on Plat 1726/0016 24 OCT 04