

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

API NUMBER: 047 25084

Approval Date: 02/06/2017

Expiration Date: 08/06/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 21N Rge: 5W

County: GARFIELD

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 210 1489

Lease Name: PATRICIA 5-21N-5W

Well No: 2MH

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

PATRICIA ANN MCKNIGHT  
5301 NW 120TH ST.  
OKLAHOMA CITY OK 73162

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

	Name	Depth	Name	Depth
1	CHEROKEE	5734	6	
2	MISSISSIPPIAN	6136	7	
3	WOODFORD	6607	8	
4	HUNTON	6657	9	
5	SYLVAN	6660	10	

Spacing Orders: 626213

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700053

Special Orders:

Total Depth: 11500

Ground Elevation: 1123

**Surface Casing: 630**

Depth to base of Treatable Water-Bearing FM: 380

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: 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 located in a Hydrologically Sensitive Area.

**Category of Pit: C**

**Liner not required for Category: C**

Pit Location is BED AQUIFER

Pit Location Formation: KINGMAN

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

PERMIT NO: 17-31987

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 05 Twp 21N Rge 5W County GARFIELD

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1315

Depth of Deviation: 5348

Radius of Turn: 850

Direction: 2

Total Length: 4820

Measured Total Depth: 11500

True Vertical Depth: 6660

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

2/3/2017 - 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/](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 - 201700053

2/6/2017 - G64 - (I.O.) 5-21N-5W  
X626213 CHRK, MSSP, WDFD, HNTN, SLVN, OTHERS  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL  
NO OP. NAMED  
REC. 1-30-2017 (M. PORTER)

SPACING - 626213

2/6/2017 - G64 - (640)(HOR) 5-21N-5W  
VAC 133021 MSRH  
EXT 619624 CHRK, MSSP, WDFD, HNTN, SLVN, OTHERS  
POE TO BHL (CHRK, MSSP, HNTN) NCT 660' FB  
POE TO BHL (WDFD, SLNV) NCT 330' FB  
(COEXIST SP. ORDER 133021 MSSLM)

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.

047 25084 PATRICIA 5-21N-5W 2MH

# PETRO LAND SERVICES SOUTH, LLC

10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108

Certificate of Authorization No. 7318

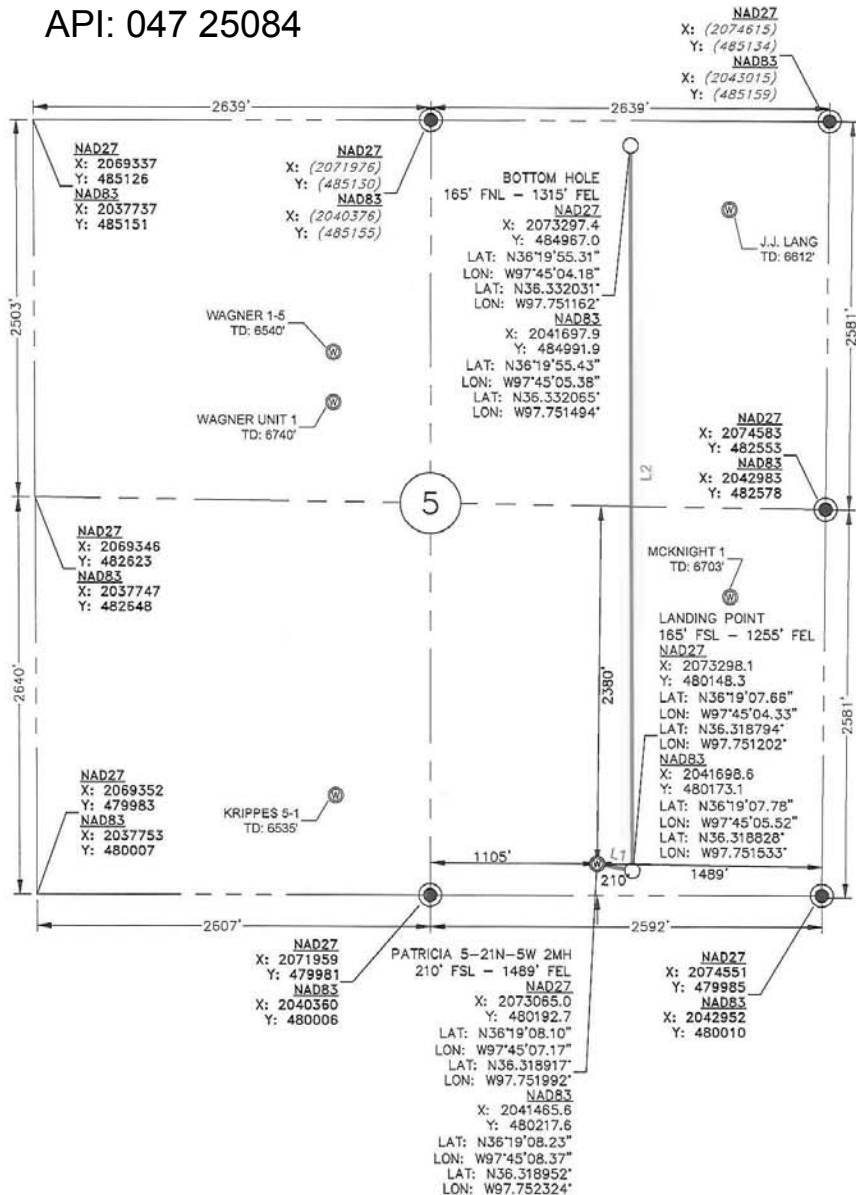
OK STATE  
PLANE GRID  
NORTH  
US FT Scale:  
1"=1000'

GARFIELD County, Oklahoma  
210' FSL - 1489' FEL Section 5 Township 21N Range 5W I.M.

## EXHIBIT

API: 047 25084

OPERATOR: WHITE STAR PETROLEUM, LLC  
LEASE NAME: PATRICIA 5-21N-5W  
WELL No.: 2MH  
TOPOGRAPHY & VEGETATION: Location fell in flat open pasture & cultivated field  
GOOD DRILL SITE? YES  
REFERENCE STAKES OR ALTERNATE LOCATION STAKES(S) SET: NO  
BEST ACCESSIBILITY TO LOCATION: FROM SOUTH SECTION LINE ROAD  
DRIVING DIRECTIONS: FROM INT OF HWYS 81 AND 64, TRAVEL SOUTH ON HWY 81 5.0 MILES TO E LONGHORN TRAIL, THEN EAST ON E LONGHORN TRAIL 7.7 MILES



### LEGEND

- SECTION LINE
- 1/4 SEC. LINE
- DRILL PATH
- EXISTING WELLS WITHIN 1500 FT (OCC DATA)

### NOTE:

This exhibit represents a proposed well location and does not represent a true boundary survey. The footages and ties shown are from lines of occupation, and/or ± 1' GPS Accuracy, not from actual property corners.

### CERTIFICATE:

I, Beau Winfrey, an Oklahoma Professional Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



Oklahoma RPLS No. 1766

1/19/17 DATE

PREPARED FOR:

WHITE STAR  
PETROLEUM

SURVEY & MAPPING BY:

PLS

DATUM: NAD27

LAT: N36°19'08.10"

LONG: W97°45'07.17"

LAT: N36.318917°

LONG: W97.751992°

STATE PLANE

COORDINATES (US SRV FT):

ZONE: OK NORTH

X: 2041465.6

Y: 480217.6

ELEVATION:

1123.4' GROUND AT STAKE

PARENTHESIS = (CALCULATED)

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	237'
L2:	4819'
WELL DISTANCES	
TO S SECTION LINE:	210'
TO E SECTION LINE:	1489'
TO W 1/4 SEC. LINE:	1105'
TO N 1/4 SEC. LINE:	2380'