

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

API NUMBER: 047 25168

Approval Date: 09/07/2018

Expiration Date: 03/07/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 22N Rge: 5W

County: GARFIELD

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 270 1725

Lease Name: COLT 16-22N-5W

Well No: 1MH

Well will be 270 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM LLC

Telephone: 4052525821; 8444024

OTC/OCC Number: 23358 0

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

CATHERINE S. ROUTON
12500 ST ANDREWS DRIVE, #20
OKLAHOMA CITY OK 73120

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6109	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806838
201806378
201805483

Special Orders:

Total Depth: 11000

Ground Elevation: 1198

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 390

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: KINGMAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34952
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 16 Twp 22N Rge 5W County GARFIELD

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5543

Radius of Turn: 382

Direction: 352

Total Length: 4857

Measured Total Depth: 11000

True Vertical Depth: 6184

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/29/2018 - G57 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

PENDING CD - 201805483

8/29/2018 - G57 - (640)(HOR) 16-22N-5W
EXT 673066 MSSP
POE TO BHL NLT 660' FB
(COEXIST W/ SP. ORDER 148254/228450/201806767 MSSLM)
REC 8-21-2018 (DENTON)

PENDING CD - 201806767

8/29/2018 - G57 - 16-22N-5W
MOD/AMD 148254/228450 TO CORRECT A TYPOGRAPHICAL ERROR, ORDER 148254/228450 SOUGHT TO VACATE 56364/57422 AND IT SHOULD STATE VACATE 56364/57222; ORDER HAS BEEN REVIEWED BY OCC TECHNICAL STAFF AND OK'D BY BOB MCCOY

PENDING CD - 201806838

8/29/2018 - G57 - (E.O.) 16-22N-5W
X201805483 MSSP
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL
WHITE STAR PETROLEUM, LLC.
REC 9-7-2018 (DENTON)

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 25168 COLT 16-22N-5W 1MH

PETRO LAND SERVICES SOUTH, LLC

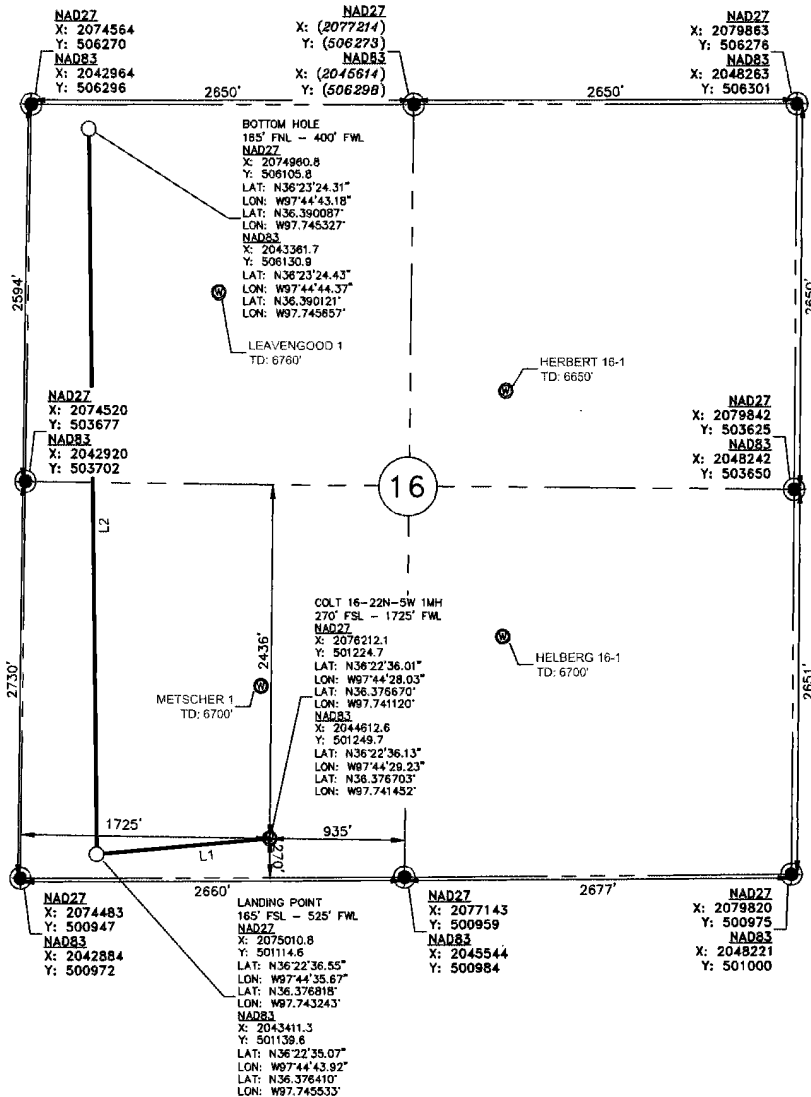
10400 VINEYARD BLVD. SUITE C&D, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318

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

GARFIELD County, Oklahoma
270' FSL 1725' FWL Section 16 Township 22N Range 5W I.M.

EXHIBIT

OPERATOR: White Star Petroleum, LLC
LEASE NAME: COLT 16-22N-5W
WELL No.: 1MH
TOPOGRAPHY & VEGETATION: Location fell in flat open pasture
GOOD DRILL SITE? YES
REFERENCE STAKES OR ALTERNATE LOCATION STAKE(S) SET: YES
BEST ACCESSIBILITY TO LOCATION: E0440 ROAD, SOUTH SIDE OF PAD
DRIVING DIRECTIONS: FROM INT OF HWY 81 AND E SOUTHGATE RD. GO EAST 8.0 MILES TO FROM HWY JCT. OR TOWN: S 90TH STREET, NORTH 1.0 MILES TO E0440 RD. EAST .25 MILES.



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

REV.	DATE	APPD.
No. 0	07/17/2018	RB
No. 1	08/16/2018	RB

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.

The information shown herein was derived from occupation lines and/or ± 1' GPS Accuracy.

PARENTHESIS = (CALCULATED)

DATUM: NAD27

LAT: N36°22'36.01"

LONG: W97°44'28.03"

LAT: N36.376670°

LONG: W97.741120°

STATE PLANE

COORDINATES (US SRV FT):

ZONE: OK NORTH

X: 2076212.1

Y: 501224.7

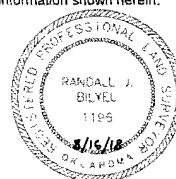
ELEVATION:

1198.2' GROUND AT STAKE

PROPOSED DRILL PATH	
LINE:	DIST:
L1:	1206'
L2:	4992'
WELL DISTANCES	
TO S SECTION LINE:	270'
TO W SECTION LINE:	1725'
TO E 1/4 SEC. LINE:	935'
TO N 1/4 SEC. LINE:	2436'

CERTIFICATE:

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



Randall J. Bilyeu

Oklahoma RPLS No. 1196

DATE

PREPARED FOR:

WHITE STAR
PETROLEUM

SURVEY & MAPPING BY:

PLS
OK CA #7318