

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

API NUMBER: 043 23583

Approval Date: 12/28/2017
Expiration Date: 06/28/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 17N Rge: 19W

County: DEWEY

SPOT LOCATION: SW SW SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 215 1450

Lease Name: PETRA 11-17N-19W

Well No: 1CH

Well will be 215 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM II LLC

Telephone: 8444024902

OTC/OCC Number: 23275 0

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

BLACK JACK LLC
2312 LAKEVIEW DR
WOODWARD OK 73801

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

Name	Depth	Name	Depth
1 CLEVELAND	9075	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 464426

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201704564

Special Orders:

Total Depth: 14200

Ground Elevation: 2148

Surface Casing: 870

Depth to base of Treatable Water-Bearing FM: 620

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: 60000 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-33583

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 11 Twp 17N Rge 19W County DEWEY

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1000

Depth of Deviation: 8577

Radius of Turn: 600

Direction: 358

Total Length: 4680

Measured Total Depth: 14200

True Vertical Depth: 9089

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/18/2017 - G16 - 12/7/2017 - G71 - 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 - 201704564

12/28/2017 - G60 - (I.O.) 11-17N-19W
X464426 CLVD
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL
NO OP. NAMED
REC. 11/1/17 (DUNN)

SPACING - 464426

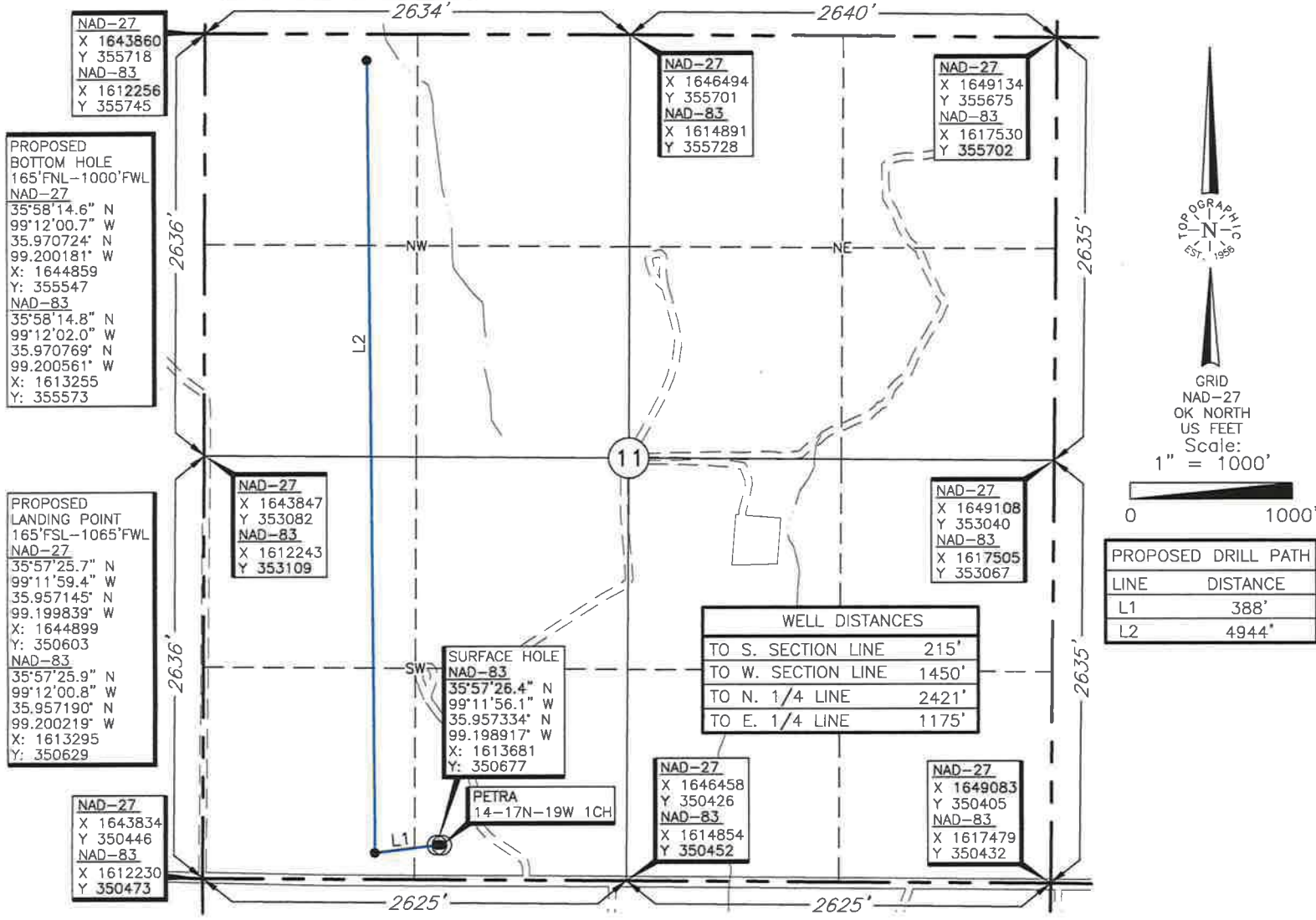
12/28/2017 - G60 - (640) 11-17N-19W
EST OTHER
EXT 106440 CLVD, OTHERS

3504323583

DEWEY

County, Oklahoma

215'FSL-1450'FWL Section 11 Township 17N Range 19W I.M.



GRID
 NAD-27
 OK NORTH
 US FEET
 Scale:
 1" = 1000'



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

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: WHITE STAR PETROLEUM
 Lease Name: PETRA 11-17N-19W

Well No.: 1CH **ELEVATION:** 2148' Gr. at Stake

Topography & Vegetation Loc. fell in grass pasture

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From Webb, Oklahoma, go ± 2.2 miles North, then ± 4 miles West to the Southwest Corner of Section 11, T17N-R19W.

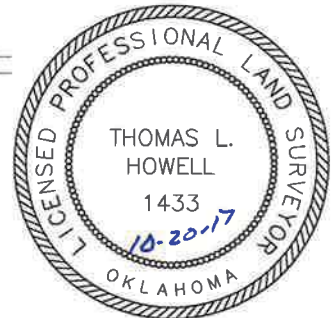
DATUM: NAD-27
 LAT: 35°57'26.2" N
 LONG: 99°11'54.7" W
 LAT: 35.957287° N
 LONG: 99.198540° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 1645285
 Y: 350650

Date of Drawing: Oct. 12, 2017
 Invoice # 282640 Date Staked: June 8, 2017

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Reg. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy