

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

API NUMBER: 043 23589

Approval Date: 01/16/2018
Expiration Date: 07/16/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 17N Rge: 20W County: DEWEY
SPOT LOCATION: ☐ SW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 470 2110

Lease Name: BUTLER 17-17N-20W

Well No: 1H

Well will be 470 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

CRAIG RANCH, INC.
215 N ELM
OKEENE OK 73763

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

	Name	Depth	Name	Depth
1	OSWEGO	9633	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707526
201707527

Special Orders:

Total Depth: 15000

Ground Elevation: 2024

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 370

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: CLOUD CHIEF

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

PERMIT NO: 17-33648

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 17 Twp 17N Rge 20W County DEWEY

Spot Location of End Point: E2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1200

Depth of Deviation: 9136

Radius of Turn: 800

Direction: 180

Total Length: 4608

Measured Total Depth: 15000

True Vertical Depth: 9717

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	1/12/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	1/12/2018 - 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 - 201707526	1/16/2018 - G58 - (640)(HOR) 17-17N-20W VAC 68226 OSWG EST OSWG, OTHER COMPL. INT. NLT 660' FB REC 1/2/2018 (JACKSON)
PENDING CD - 201707527	1/16/2018 - G58 - (I.O.) 17-17N-20W X201707526 OSWG COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 660' FWL NO OP. NAMED REC 1/2/2018 (JACKSON)

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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.

043 23589 BUTLER 17-17N-20W 1H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

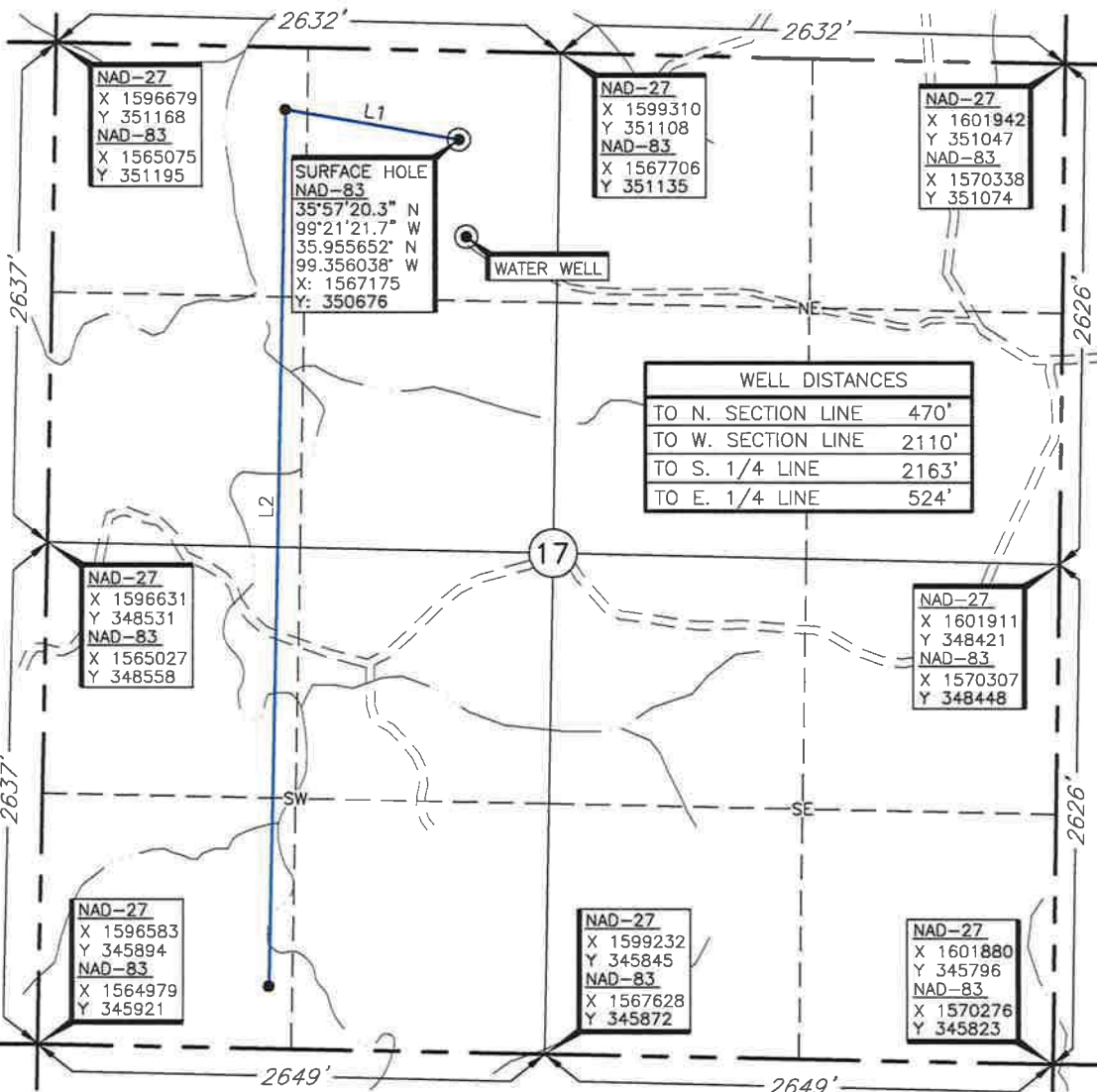
Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

043-23589

470'FNL-2110'FWL Section 17 Township 17N Range 20W I.M.



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: BUTLER 17-17N-20W

Well No.: 1H

ELEVATION:

2024' Gr. at Stake

Topography & Vegetation Loc. fell in rolling pasture

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

Best Accessibility to Location From East off lease road

Distance & Direction from Hwy Jct or Town From St. Hwy 34 in Leedey, Oklahoma, go ± 6.1 miles North on St. Hwy 34, then ± 1.25 miles West, then continue ± 1 mile West thru Section 16 to the Northeast Corner of Section 17, T17N-R20W.

DATUM: NAD-27

LAT: 35°57'20.2" N

LONG: 99°21'20.4" W

LAT: 35.955606° N

LONG: 99.355654° W

STATE PLANE COORDINATES (US FEET):
ZONE: OK NORTH

X: 1598780

Y: 350650

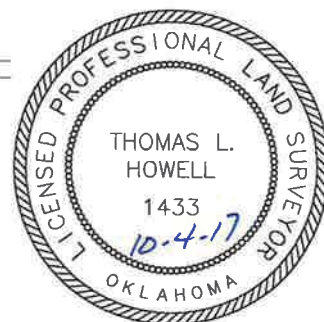
Date of Drawing: Sept. 22, 2017

Invoice # 281321 Date Staked: Sept. 21, 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.

Oklahoma Reg. No. 1433



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