

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

API NUMBER: 119 24409

Approval Date: 05/17/2016

Expiration Date: 11/17/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 19N Rge: 2E

County: PAYNE

SPOT LOCATION: NW SE SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 360 2120

Lease Name: ALDEAN 34-27-19N-2E

Well No: 2WH

Well will be 360 feet from nearest unit or lease boundary.

Operator Name: WHITE STAR PETROLEUM LLC

Telephone: 4056085540

OTC/OCC Number: 23358 0

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

MICHAEL D. & MICHELLE N. KRUEGER
P.O. BOX 863
STILLWATER OK 74076

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4421	6	
2	WOODFORD	4573	7	
3	MISENER-HUNTON	4612	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601462
201601464
201601467
201601459
201601460
201601461

Special Orders:

Total Depth: 14500

Ground Elevation: 948

Surface Casing: 560

Depth to base of Treatable Water-Bearing FM: 310

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: WELLINGTON

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

PERMIT NO: 16-31183

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 19N Rge 2E County PAYNE

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2520

Depth of Deviation: 3800

Radius of Turn: 818

Direction: 5

Total Length: 9415

Measured Total Depth: 14500

True Vertical Depth: 4612

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

Notes:

Category	Description
HYDRAULIC FRACTURING	4/18/2016 - 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 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 - 201601459	4/19/2016 - G75 - (E.O.)(640)(HOR) 27-19N-2E EXT 623324 MSSP, WDFD, MSRH POE TO BHL (MSSP, MSRH) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL AMERICAN ENERGY - WOODFORD, LLC (NOW WHITE STAR PETROLEUM LLC) REC 4-26-2016 (LEAVITT)
PENDING CD - 201601460	4/19/2016 - G75 - (E.O.)(640)(HOR) 34-19N-2E EXT 623324 MSSP, WDFD, MSRH POE TO BHL (MSSP, MSRH) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST PENDLETON 34-1, API 119-22743, MSSP, MSRH NE4) AMERICAN ENERGY - WOODFORD, LLC (NOW WHITE STAR PETROLEUM LLC) REC 4-26-2016 (LEAVITT)
PENDING CD - 201601461	4/19/2016 - G75 - 27-19N-2E X201601459 WDFD 2 WELLS NO OP. NAMED REC 5-16-2016 (LEAVITT)
PENDING CD - 201601462	4/19/2016 - G75 - 34-19N-2E X201601460 WDFD 2 WELLS NO OP. NAMED REC 5-16-2016 (LEAVITT)
PENDING CD - 201601464	4/19/2016 - G75 - (I.O.) 27 & 34-19N-2E EST MULTIUNIT HORIZONTAL WELL X201601459 MSSP, WDFD, MSRH 27-19N-2E X201601460 MSSP, WDFD, MSRH 34-19N-2E (MSSP, MSRH ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 27-19N-2E 50% 34-19N-2E AMERICAN ENERGY - WOODFORD, LLC (NOW WHITE STAR PETROLEUM LLC) REC 5-16-2016 (LEAVITT)
PENDING CD - 201601467	4/19/2016 - G75 - (I.O.) 27 & 34-19N-2E X201601459 MSSP, WDFD, MSRH 27-19N-2E X201601460 MSSP, WDFD, MSRH 34-19N-2E COMPL. INT. (34-19N-2E) NCT 165 FSL, NCT 0 FNL, NCT 1320 FWL COMPL. INT. (27-19N-2E) NCT 0 FSL, NCT 165 FNL, NCT 1320 FWL NO OP. NAMED REC 5-16-2016 (LEAVITT)

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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

PAYNE

County, Oklahoma

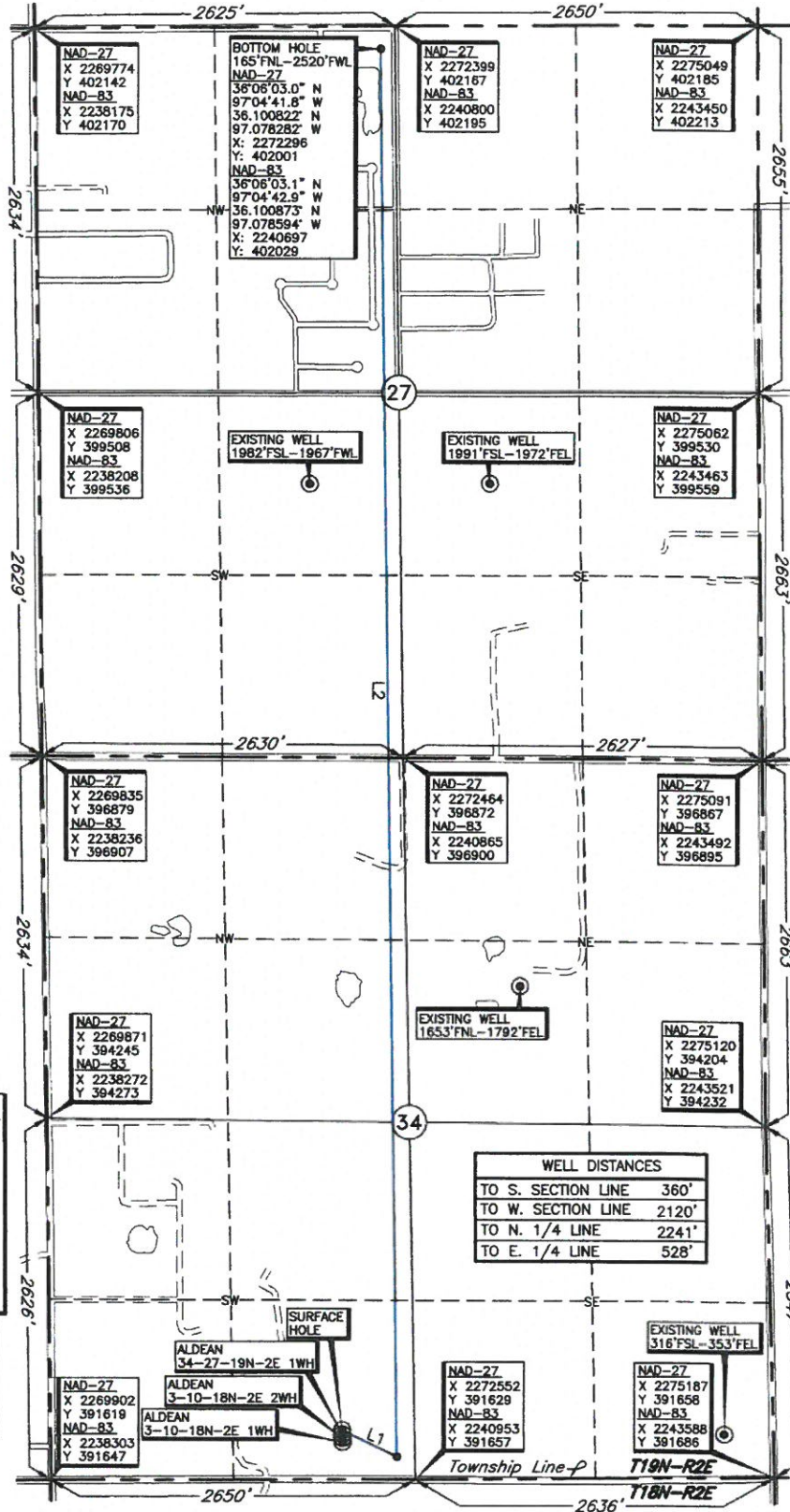
API 119-24409

360' FSL-2120' FWL Section 34 Township 19N Range 2E I.M.



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

FILE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY



Operator: AMERICAN ENERGY - WOODFORD, LLC
 Lease Name: ALDEAN 34-27-19N-2E
 Topography & Vegetation Loc. fall in cedar tree and pasture mix
 Good Drill Site? Yes
 Best Accessibility to Location From South off county road
 Distance & Direction From the junction of St. Hwy 33 E-W & US Hwy 177 N-S, go ± 2 miles West on St. Hwy 33, then ± 6 miles North, then ± 0.5 mile East to the South Quarter Corner of Section 34, T19N-R2E.
 Reference Stakes or Alternate Location Stakes Set None
 Well No.: ZWH

LANDING POINT
 165' FSL-2520' FWL
 NAD-27
 36°04'22.0" N
 97°04'41.5" W
 36.072779' N
 97.078191' W
 X: 2272420
 Y: 391794
 NAD-83
 36°04'22.2" N
 97°04'42.6" W
 36.072831' N
 97.078503' W
 X: 2240820
 Y: 391821

SURFACE HOLE
 NAD-83
 36°04'24.1" N
 97°04'47.5" W
 36.073373' N
 97.079858' W
 X: 2240418
 Y: 392015

PROPOSED DRILL PATH	
LINE	DISTANCE
L1	446'
L2	10208'

DATUM: NAD-27
 LAT: 36°04'24.0" N
 LONG: 97°04'46.4" W
 LAT: 36.073321° N
 LONG: 97.079546° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2272018
 Y: 391987

Date of Drawing: Feb. 3, 2016
 Invoice # 256248A Date Staked: Feb. 2, 2016 NMB

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 Lic. No. 1433

