

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

API NUMBER: 003 23269

Approval Date: 01/10/2017  
Expiration Date: 07/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 24N Rge: 12W County: ALFALFA  
SPOT LOCATION:  SE  SW  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 255 1995

Lease Name: BRUNER 2412 Well No: 1H-09 B Well will be 255 feet from nearest unit or lease boundary.  
Operator Name: MIDSTATES PETROLEUM COMPANY LLC Telephone: 9189478550 OTC/OCC Number: 23079 0

MIDSTATES PETROLEUM COMPANY LLC  
321 S BOSTON AVE STE 1000  
TULSA, OK 74103-3322

RALPH E. BRUNER  
P.O. BOX 244  
CARMEN OK 73726

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

Name	Depth	Name	Depth
1 MISSISSIPPI	6249	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 106364

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700011

Special Orders:

Total Depth: 11200

Ground Elevation: 1331

**Surface Casing: 470**

Depth to base of Treatable Water-Bearing FM: 420

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: 25000 Average: 8000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714  
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 09 Twp 24N Rge 12W County ALFALFA

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5200

Radius of Turn: 750

Direction: 185

Total Length: 4822

Measured Total Depth: 11200

True Vertical Depth: 6249

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

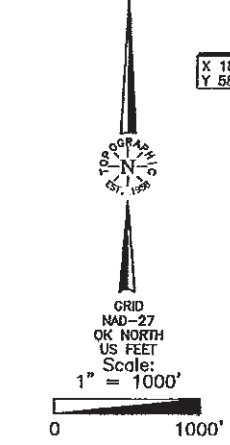
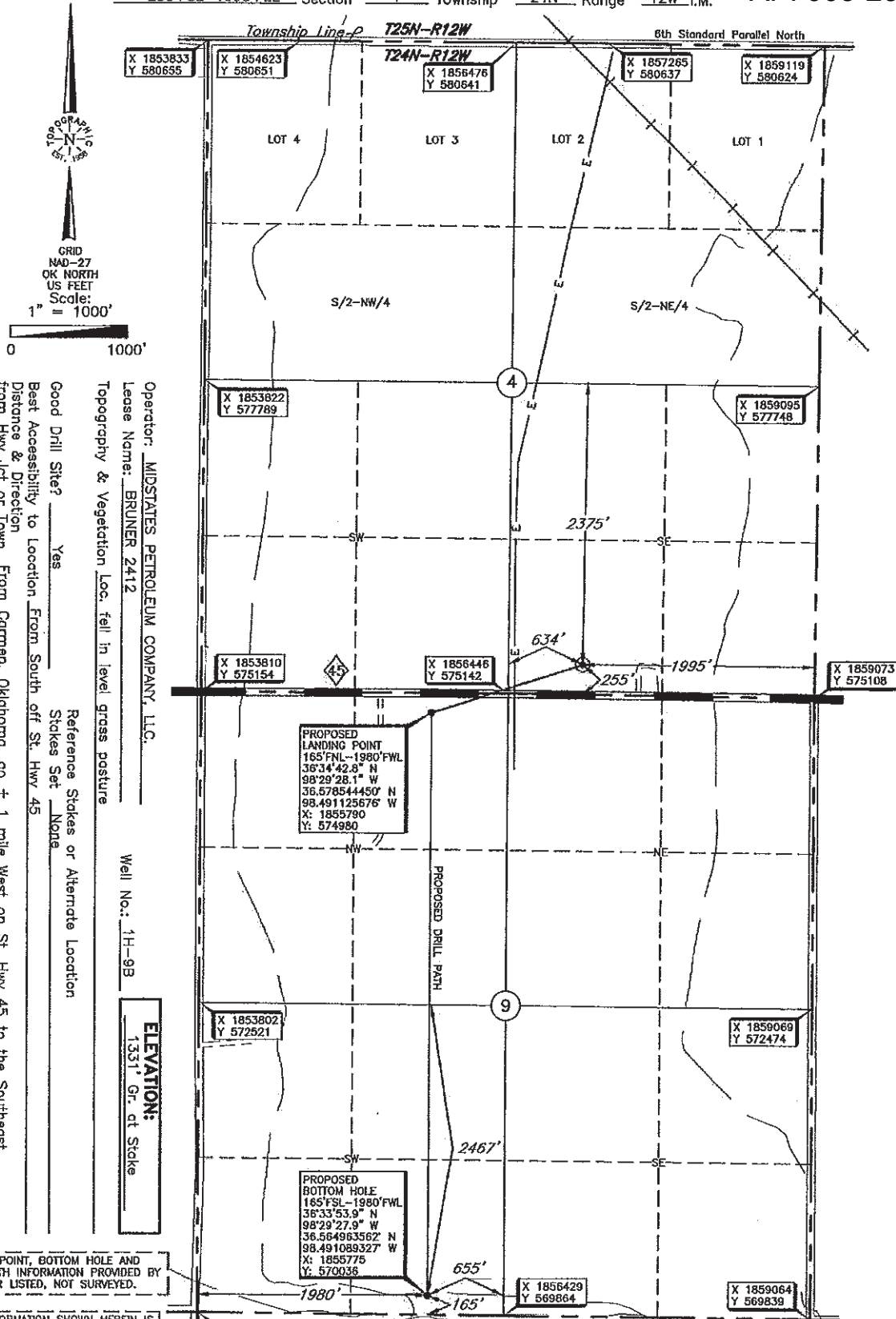
Notes:

Category	Description
HYDRAULIC FRACTURING	1/6/2017 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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 - 201700011	1/9/2017 - G75 - (E.O.) 9-24N-12W X106364 MISS COMPL. INT. NCT 165' TO NL, NCT 165' TO SL, NCT 600' TO WL MIDSTATES PETRO. CO. LLC REC 1-10-2017 (JOHNSON)
PUBLIC WATER SUPPLY WELLS	1/6/2017 - G71 - CARMEN PWA, 2 PWS/WPA, NE4 & SE4 9-24N-12W
SPACING - 106364	1/9/2017 - G75 - (640) 9-24N-12W VAC 53379/59196/99877 MSSLM EXT 94438 MISS

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ALFALFA County, Oklahoma  
 255<sup>th</sup> FSL-1995<sup>th</sup> FEL Section 4 Township 24N Range 12W I.M.

API 003-23269



Operator: MIDSTATES PETROLEUM COMPANY, LLC.  
 Lease Name: BRUNER 2412  
 Topography & Vegetation: Loc. fall in level grass pasture  
 Well No.: 1H-9B  
 ELEVATION: 1331' Gr. at Stake  
 Reference Stakes or Alternate Location: Stakes Set None  
 Good Drill Site? Yes  
 Best Accessibility to Location: From Carmen, Oklahoma, go ± 1 mile West on St. Hwy 45 to the Southeast  
 Distance & Direction from Hwy Jct or Town Corner of Section 4, T24N-R12W.

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

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27  
 LAT: 36°34'46.9" N  
 LONG: 98°29'12.2" W  
 LAT: 36.579685457° N  
 LONG: 98.486735886° W  
 STATE PLANE COORDINATES (US FEET):  
 ZONE: OK NORTH  
 X: 1857081  
 Y: 575389

Date of Drawing: Nov. 22, 2016  
 Invoice # 2681788 Date Staked: Nov. 18, 2016 NMB

**CERTIFICATE:**

I, Lee K. Goss, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

*Lee K. Goss*  
 Oklahoma Lic. No. 1778

