

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

API NUMBER: 003 23290

Approval Date: 08/31/2017
Expiration Date: 02/28/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 24N Rge: 11W County: ALFALFA
SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 400

Lease Name: BEN 2411 Well No: 1H-07 A Well will be 250 feet from nearest unit or lease boundary.
Operator Name: MIDSTATES PETROLEUM CO LLC Telephone: 9189478550 OTC/OCC Number: 23079 0

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

B & J HUGHES LP
1123 W. MAIN
CARMEN OK 73726

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	6346	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705184
201705185

Special Orders:

Total Depth: 11200 Ground Elevation: 1375 Surface Casing: 360 Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714

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

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 07 Twp 24N Rge 11W County ALFALFA

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5501

Radius of Turn: 477

Direction: 178

Total Length: 4950

Measured Total Depth: 11200

True Vertical Depth: 6346

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

Notes:

Category

Description

HYDRAULIC FRACTURING

8/24/2017 - G58 - 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 - 201705184

8/29/2017 - G75 - (640)(HOR) 7-24N-11W
VAC 348532 MSSLM
EXT 664251 MSSP
COMPL. INT. NCT 660' FB
REC 8-29-2017 (MCKEOWN)

PENDING CD - 201705185

8/29/2017 - G75 - (I.O.) 7-24N-11W
X201705184 MSSP
COMPL. INT. NCT 165' TO NL, NCT 165' TO SL, NCT 600' TO WL
NO OP. NAMED
REC 8-29-2017 (MCKEOWN)

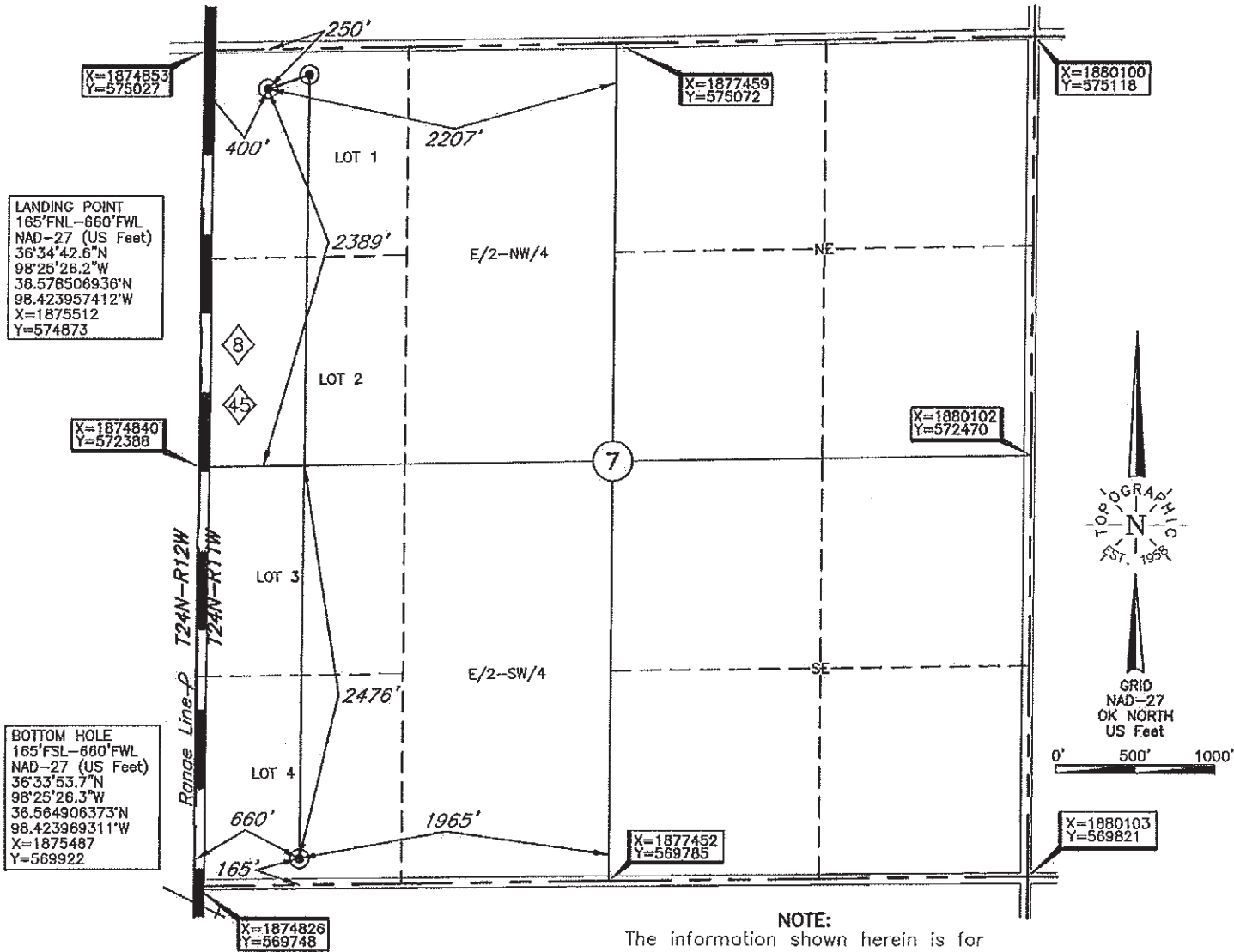
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

250'FNL - 400'FWL Section 7 Township 24N Range 11W I.M.



NOTE:
 The information shown herein is for construction purposes ONLY.

Operator: MIDSTATES PETROLEUM COMPANY, LLC
 Lease Name: BEN 2411

ELEVATION:
1375' Gr. at Stake

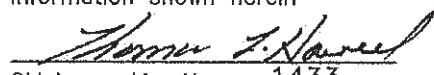
Topography & Vegetation Loc. fell in sloped tall grass, ±226' North of small building on hill, ±456' NW of water well

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

Best Accessibility to Location From North off county road
 Distance & Direction From Hwy Jct or Town From Carmen, OK, go ±2.0 mi. East to the NW Cor. of Sec. 7-T24N-R11W

This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy
 DATUM: NAD-27
 LAT: 36°34'41.7"N
 LONG: 98°25'29.4"W
 LAT: 36.578257961° N
 LONG: 98.424843605° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1875252
 Y: 574784

Date of Drawing: Jun. 23, 2017
 Invoice # 277642 Date Staked: Jun. 21, 2017 AC

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 Lic. No. 1433

