

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

API NUMBER: 003 23323

Approval Date: 06/21/2018

Expiration Date: 12/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 24N Rge: 11W

County: ALFALFA

SPOT LOCATION: ☐ NE ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 600 2400

Lease Name: BETTY JOE 2411

Well No: 3H-18 AB

Well will be 600 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

BETTY JOE WEBER
49824 CARTER ROAD
CARMEN OK 73726

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6312	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804035
201804038
201804037

Special Orders:

Total Depth: 11985

Ground Elevation: 1356

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 330

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

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

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

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 18 Twp 24N Rge 11W County ALFALFA

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 760

Depth of Deviation: 6200

Radius of Turn: 572

Direction: 190

Total Length: 4887

Measured Total Depth: 11985

True Vertical Depth: 6455

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

Notes:

Category

Description

HYDRAULIC FRACTURING

5/29/2018 - 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 - 201804035

5/29/2018 - G58 - (E.O.)(640)(HOR) 18-24N-11W
VAC 58124/61020 MSSLM
VAC 98501 MSSLM, MNNG
EXT 668442 MSSP
COMPL. INT. NLT 660' FB
REC 5/25/2018 (DUNN)

PENDING CD - 201804037

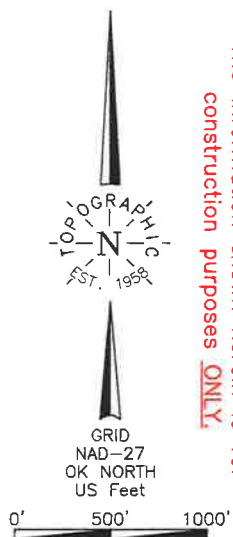
5/29/2018 - G58 - 18-24N-11W
X201804035 MSSP
2 WELLS
NO OP. NAMED
REC 6/19/2018 (JOHNSON)

PENDING CD - 201804038

5/29/2018 - G58 - (I.O.) 18-24N-11W
X201804035 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 600' FWL
NO OP. NAMED
REC 6/19/2018 (JOHNSON)

003-23323

600' FSL-2400' 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: BETTY JOE 2411
 Topography & Vegetation Loc. fell in level wh

Well No.: 3H-18AB

ELEVATION:
1356' Gr. at Stake

Good Drill Site? _____ Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From South off county line.

Distance & Direction from Hwy Jct or Town	From Carmen, OK, go East ± 2 miles, then South ± 1 mile to the

SW Cor. of Sec. 7--24N--11W.

LANDING POINT
230°FNL-760°FWL
NAD-27 (US Feet)
36°33'49.8"N
98°25'25.1"W
36.563824994°N
98.423630020°W
X= 1875585
Y= 569528

BOTTOM HOLE
165' FSL - 760' FWL
NAD-27 (US Feet)
36°33'01.4"N
98°25'24.7"W
36.550401467N
98.423525437W
X = 1875594
Y = 564641

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

Date of Drawing: May 15, 2018

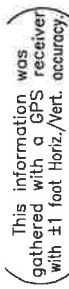
Invoice # 293949B Date Staked: May 11, 2018

TR

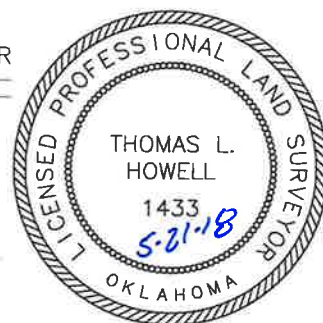
CERTIFICATE:

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



DATUM: NAD-27
 LAT: 36°33'58.3"N
 LONG: 98°25'05.0"W
 LAT: 36.566190221°N
 LONG: 98.418045189°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1877229
 Y: 570382



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

ALFALFA

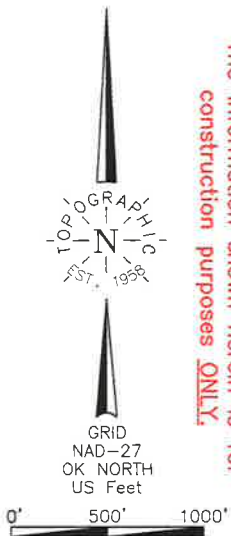
County, Oklahoma

600'FSL-2400'FWL

Section 7

Township 24N

Range 11W I.M.



NOTE:
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construction purposes ONLY.

X= 1874853
Y= 575027

X= 1877459
Y= 575072

X= 1880100
Y= 575118

X= 1874840
Y= 572388

X= 1880102
Y= 572470

X= 1880103
Y= 569821

X= 1880109
Y= 567170

X= 1880115
Y= 564519

X= 1877461
Y= 564494

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36.550401467°N
98.423525437°W
X= 1875594
Y= 564641

X= 1874836
Y= 564469

Range Line 724N-R11W

724N-R12W

PROPOSED DRILL PATH

18

LOT 3

2477'

LOT 4

760'

165'

1866'

2043'

E/2-SW/4

E/2-NW/4

E/2-SW/4

E/2-NW/4

2400'

LOT 3

LOT 4

LOT 1

LOT 2

LOT 3

LOT 4

LOT 1

LOT 2

LOT 3

LOT 4

LOT 1

LOT 2

LOT 3

LOT 4

LOT 1

LOT 2

LOT 3

LOT 4

Good Drill Site? Yes

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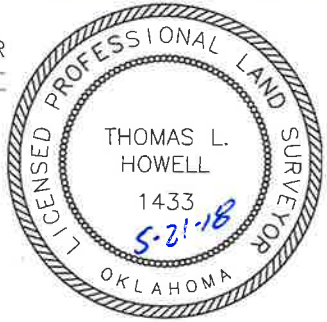
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LAT: 36.566190221°N
LONG: 98.418045189°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1877229
Y: 570382

This information was gathered with a GPS receiver with a horizontal accuracy of ±1 foot (1 ft) with a vertical accuracy of ±1 foot (1 ft).

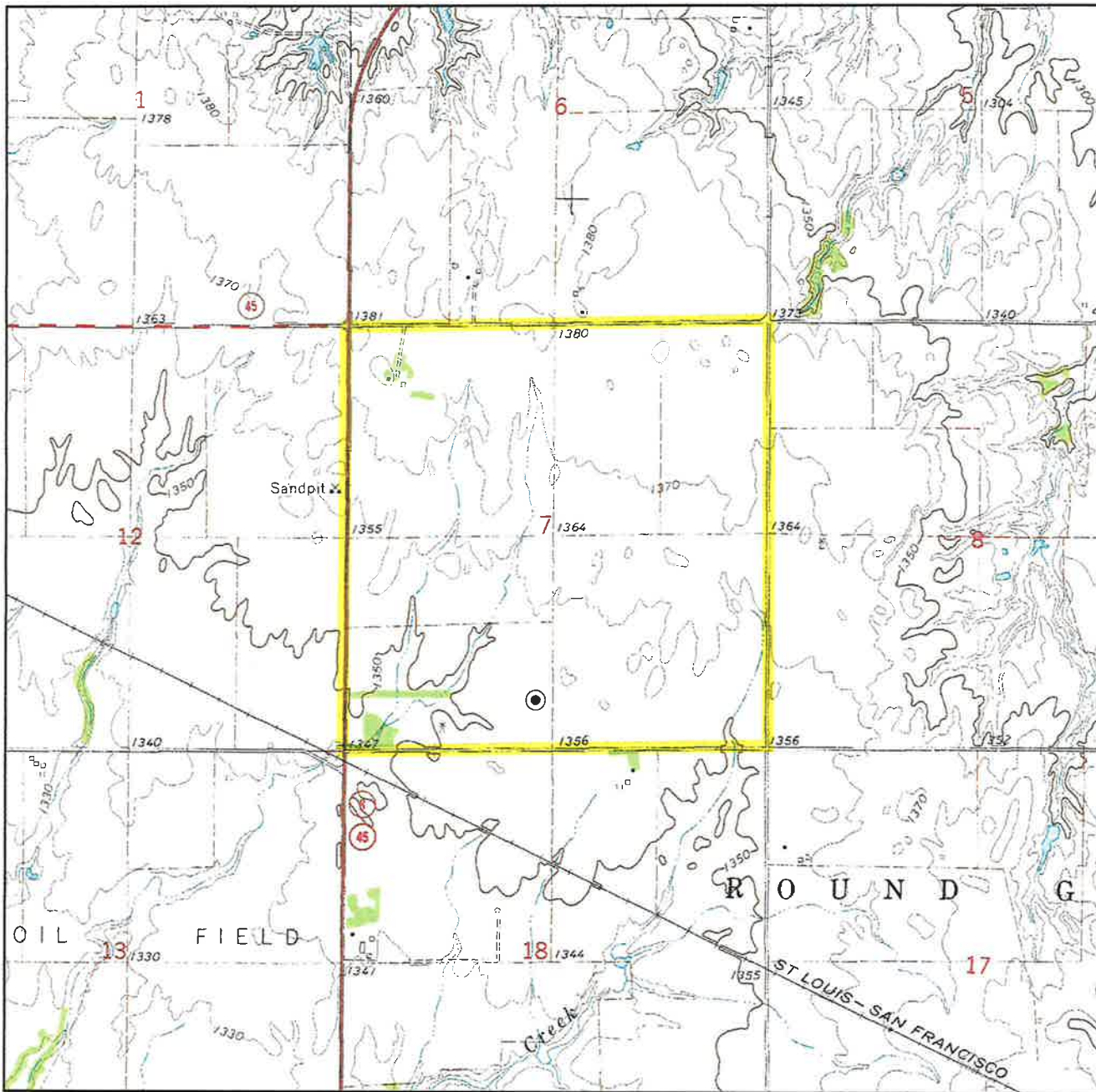
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 7 Twp. 24N Rng. 11W IM

County ALFALFA State OK

Operator MIDSTATES PETROLEUM COMPANY, LLC

Description 600'FSL-2400'FWL

Lease BETTY JOE 2411 3H-18AB

Elevation 1356' Gr. at Stake

Above Background Data from
U.S.G.S. Topographic Map

Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground
elevation of the location stake.

Review this plat and inform us immediately of
any possible discrepancy.



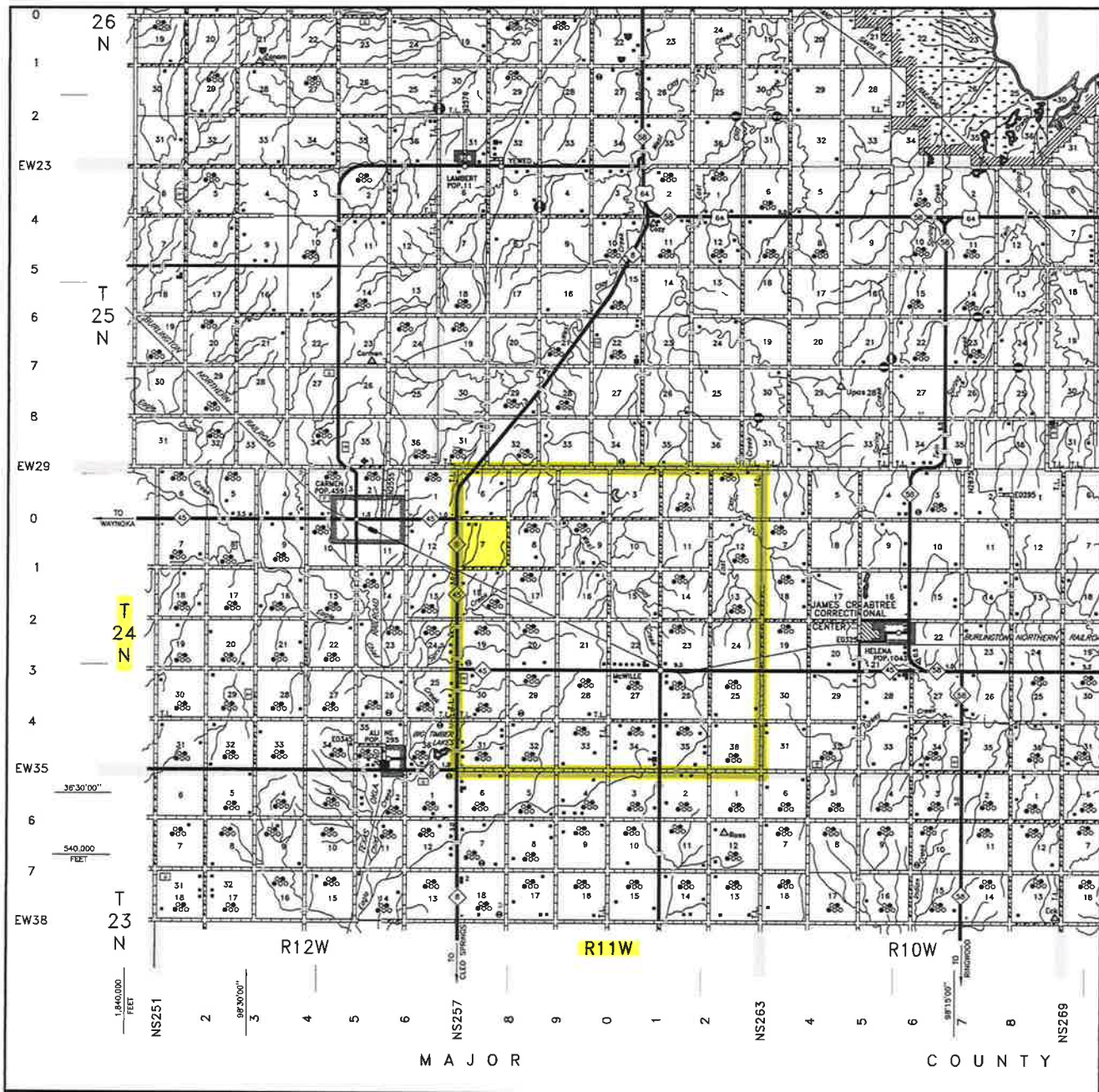
LAND SURVEYORS OF OKLAHOMA

May 11, 2018

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 7 Twp. 24N Rng. 11W IM

County ALFALFA State OK

Operator MIDSTATES PETROLEUM COMPANY, LLC



LAND SURVEYORS OF OKLAHOMA