

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

API NUMBER: 003 23319

Approval Date: 05/29/2018

Expiration Date: 11/29/2018

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 2430

Lease Name: BETTY JOE 2411

Well No: 1H-18 BC

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	6316	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804035
201804036

Special Orders:

Total Depth: 11811

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: SE SE SE SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2619

Depth of Deviation: 6016

Radius of Turn: 543

Direction: 175

Total Length: 4942

Measured Total Depth: 11811

True Vertical Depth: 6376

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

Notes:

Category

Description

HYDRAULIC FRACTURING

5/24/2018 - 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 - 201804036

5/29/2018 - G58 - (E.O.) 18-24N-11W
X201804035 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FWL
NO OP. NAMED
REC 5/25/2018 (DUNN)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

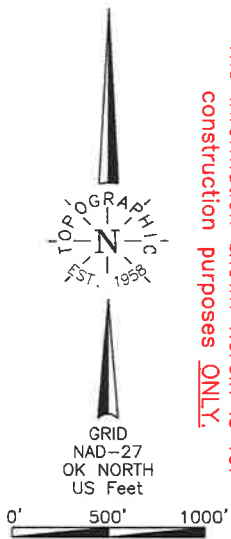
Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

003-23319

600'FSL-2430'FWL Section 7 Township 24N Range 11W I.M.



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

Best Accessibility to Location _____ From South off county line.
Distance & Direction _____ From Carmen, OK, go East ± 2 miles, then South ± 1 mile to the SW Cor. of Sec. 7-24N-11W.

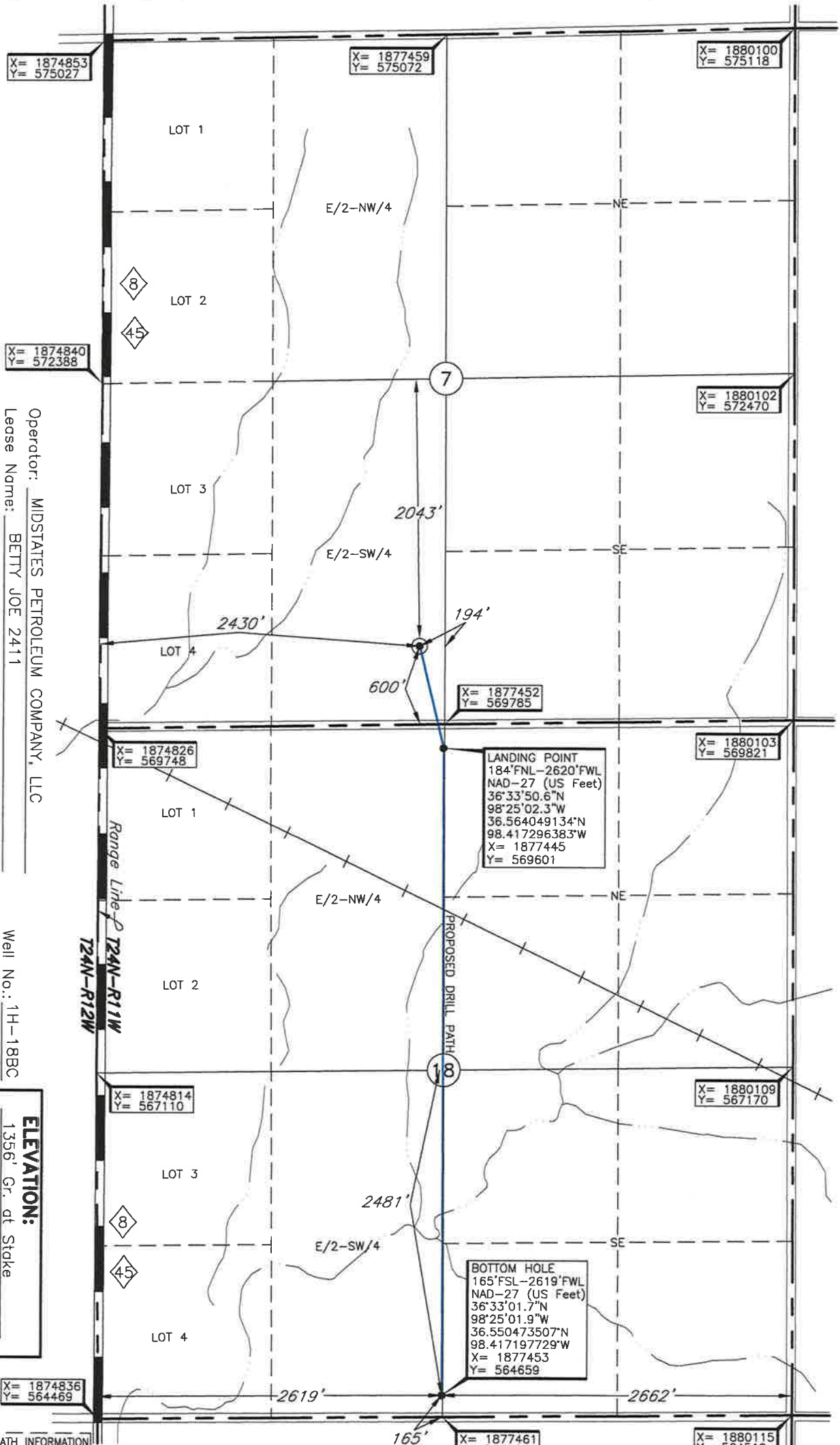
Good Drill Site? _____ Yes _____ No

Reference Stakes or Alternate Location
Stakes Set _____ None _____

Operator: MIDSTATES PETROLEUM COMPANY, LLC
Lease Name: BETTY JOE 2411

Topography & Vegetation _____ Loc. fell in level wheat field.

Well No.: 1H-18BC
ELEVATION: 1356' Gr. at Stake



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

Revision ☒ A

Date of Drawing: May 23, 2018

Invoice # 293949

Date Staked: May 11, 2018

TR

CERTIFICATE:

I, Dan W. Rogers an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Dan W. Rogers
Oklahoma Lic. No. 1200



DATUM: NAD-27
LAT: 36°33'58.3"N
LONG: 98°25'04.6"W
LAT: 36.566191715°N
LONG: 98.417942350°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1877259
Y: 570382

Information was gathered with a GPS receiver with a foot 1 ft with accuracy.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

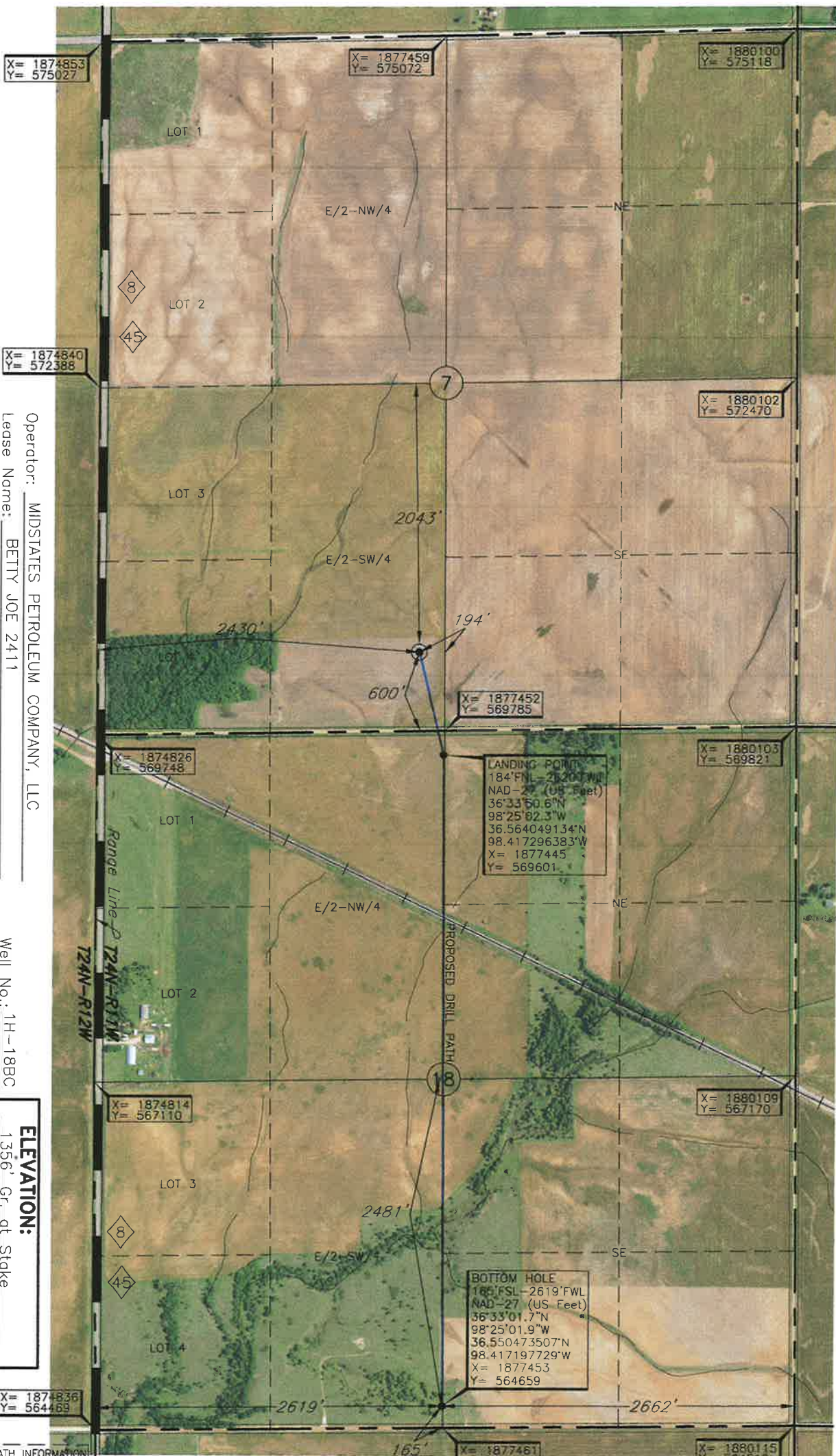
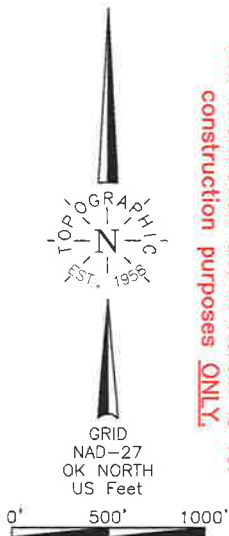
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

ALFALFA

County, Oklahoma

600'FSL-2430'FWL Section 7 Township 24N Range 11W I.M.



Operator: MIDSTATES PETROLEUM COMPANY, LLC
Lease Name: BETTY JOE 2411
Topography & Vegetation Loc. fell in level wheat field.
Good Drill Site? Yes
Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From South off county line.
Distance & Direction From Carmen, OK, go East ± 2 miles, then South ± 1 mile to the SW Cor. of Sec. 7-24N-11W.

ELEVATION:
1356' Gr. at Stake

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

Revision ☒ A Date of Drawing: May 23, 2018
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This information was gathered with a GPS receiver with a foot of vertical accuracy.

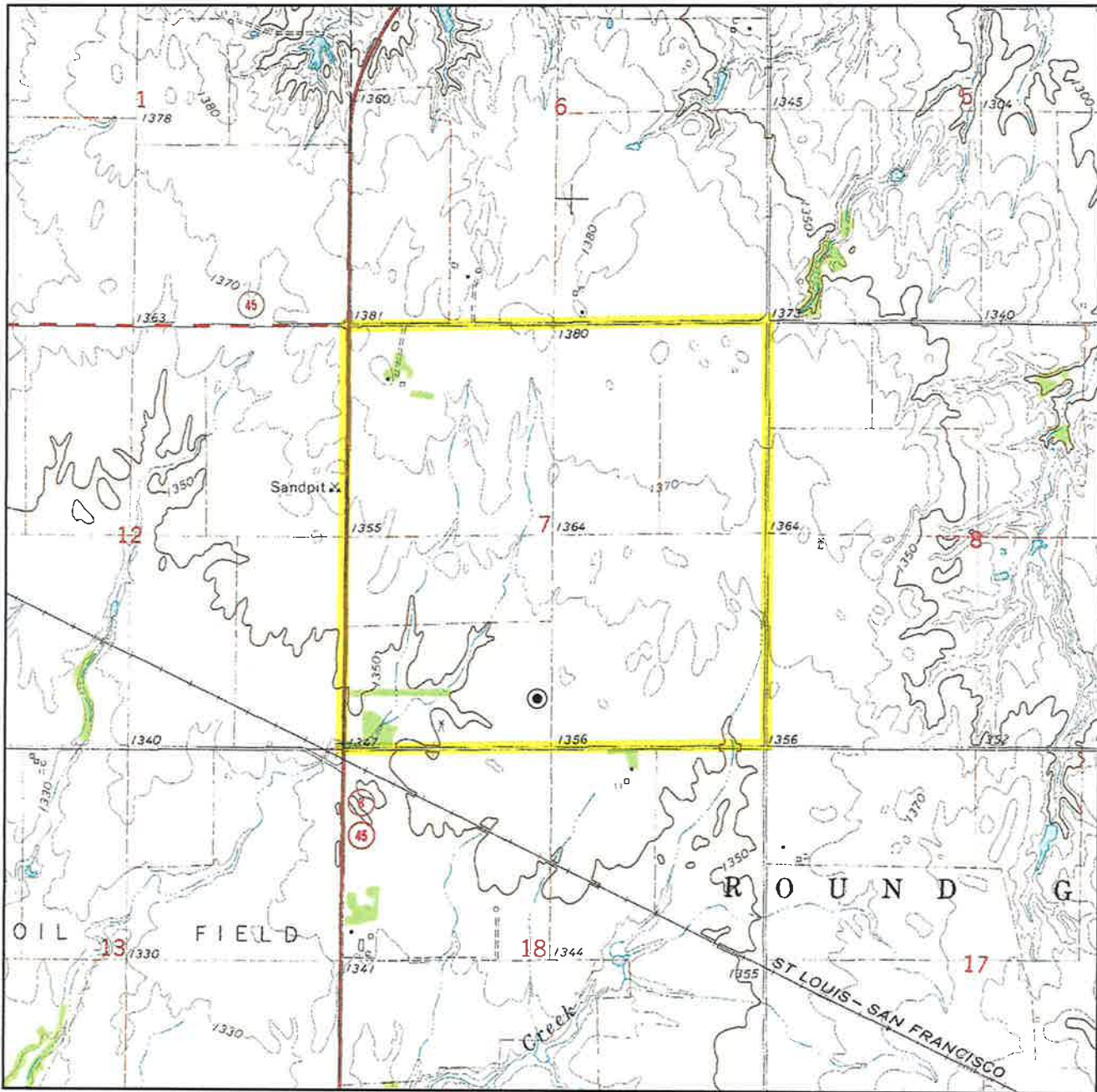
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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-2430'FWL

Lease BETTY JOE 2411 1H-18BC

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.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

LAND SURVEYORS OF OKLAHOMA

May 11, 2018

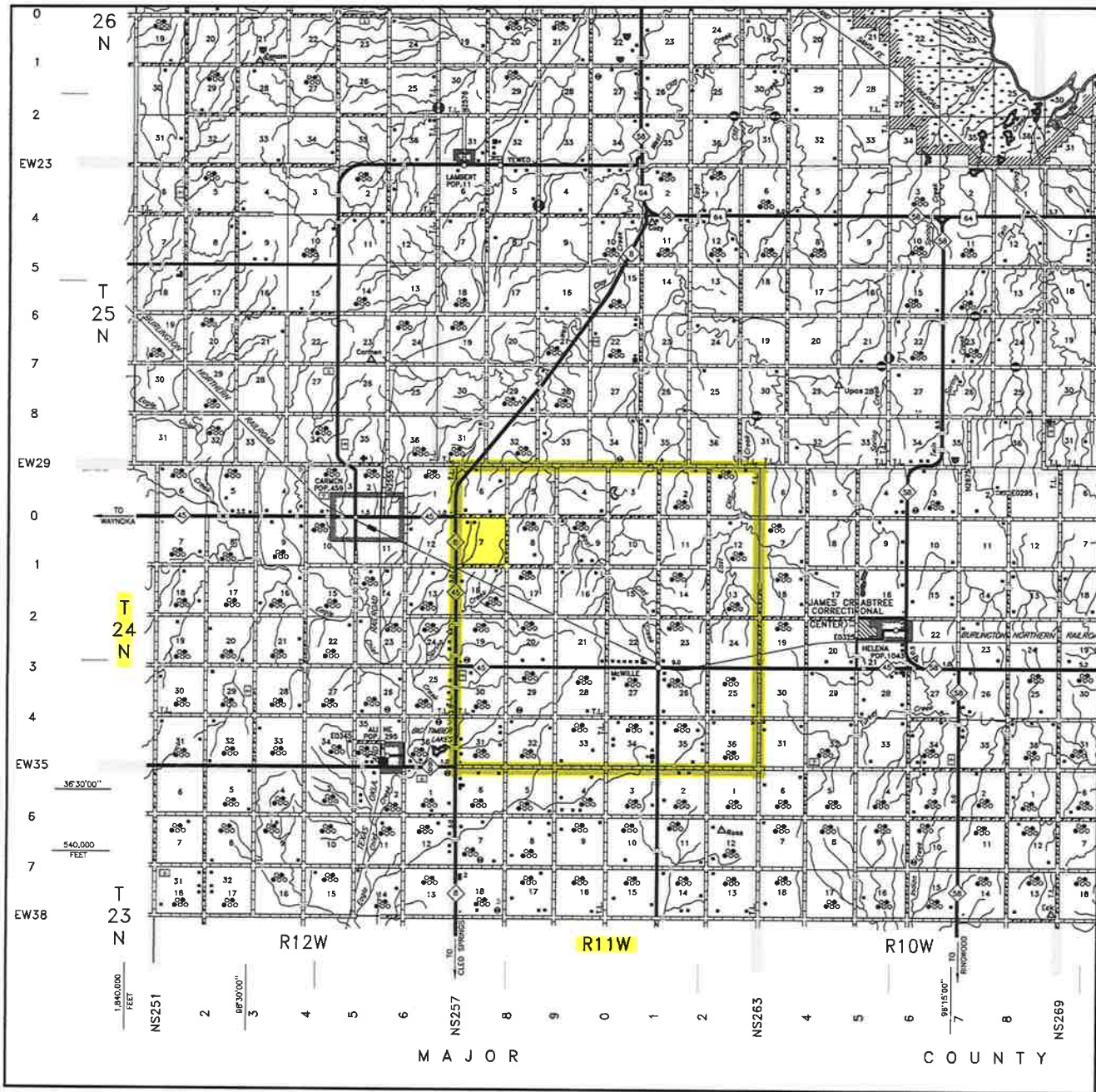
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VICINITY MAP



Scale: 1" = 3 Miles

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

County ALFALFA State OK

Operator MIDSTATES PETROLEUM COMPANY, LLC



LAND SURVEYORS OF OKLAHOMA