

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

API NUMBER: 093 25152

Approval Date: 08/08/2018
Expiration Date: 02/08/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 21N Rge: 12W County: MAJOR
SPOT LOCATION: SW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 210 470

Lease Name: POTTER 2112 Well No: 1-35H Well will be 210 feet from nearest unit or lease boundary.

Operator Name: SANDRIDGE EXPLORATION & PRODUCTION LLC Telephone: 4054295610 OTC/OCC Number: 22281 0

SANDRIDGE EXPLORATION & PRODUCTION LLC
123 ROBERT S KERR AVE STE 1702
OKLAHOMA CITY, OK 73102-6406

JAMES B. & PAMELA A. FAST
52723 S. CR 255
FAIRVIEW OK 73737

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	7711	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805380
201805382

Special Orders:

Total Depth: 12376 Ground Elevation: 1294 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 480

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: 10000 Average: 5000

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: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34845
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 35 Twp 21N Rge 12W County MAJOR

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 7358

Radius of Turn: 382

Direction: 25

Total Length: 4417

Measured Total Depth: 12376

True Vertical Depth: 7736

End Point Location from Lease,
Unit, or Property Line: 150

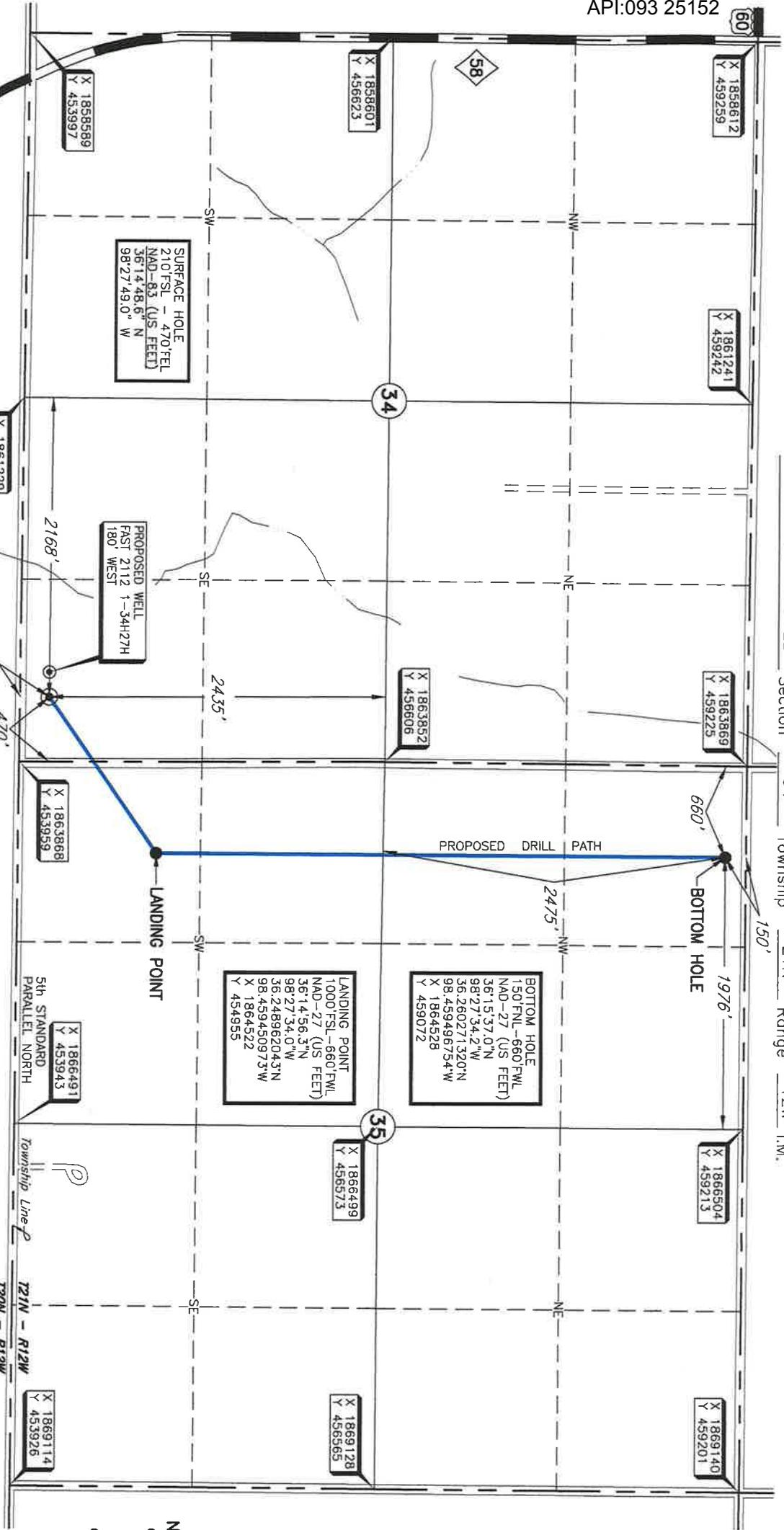
Notes:

Category	Description
DEEP SURFACE CASING	7/11/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	7/11/2018 - 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 - 201805380	7/25/2018 - G57 - (640)(HOR) 35-21N-12W VAC 242884 UNCCR EST MSSP POE TO BHL NLT 660' FB (COEXIST W/ SP. 242884 MSSLM) REC 8-7-2018 (FOREMAN)
PENDING CD - 201805382	7/25/2018 - G57 - 35-21N-12W X201805380 MSSP COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 8-7-2018 (FOREMAN)

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Section 34 Township 21N Range 12W I.M.

API:093 25152



Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: POTTER 2112

Well No.: 1-35H

ELEVATION:
 1294' Gr. at Stake NAVD 88
 1293' Gr. at Stake NCGVD 29

Topography & Vegetation Location fall in sloped pasture.
 Reference Stakes or Alternate Location
 Good Drill Site? Yes
 Stakes Set None

Best Accessibility to Location From South off county road
 Distance & Direction From Jct of State Highway 58 N-S & U.S. Highway 60 West and North, South of Fairview, OK, from Hwy Jct or Town
 go ±1.0 mile South on State Highway 58, then ±1.0 mile East to the SE Corner of Section 34, T21N - R12W.

Revision A
 Invoice # 296948 Date Drawn: July 5, 2018
 Date Staked: June 22, 2018

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
 Oklahoma Lic. No. 1433



- NOTES:**
- The information shown herein is for construction purposes ONLY.
 - NOT been measured on the ground.
 - Bottom Hole, Landing Point, and Drill Path information provided by operator listed, not surveyed.

DATUM: NAD-27
 LAT: 36°14'48.5"N
 LONG: 98°27'47.7"W
 LAT: 36.2467972228°N
 LONG: 98.463254376°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1863397
 Y: 454172

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

0 500 1000

GRID
 NAD-27
 OK NORTH
 U.S. FEET

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
 13800 Wireless Way, Okla. City, OK, 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

County Oklahoma
 Section 34 Township 21N Range 12W 1.M.

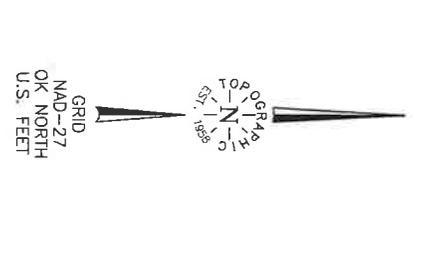


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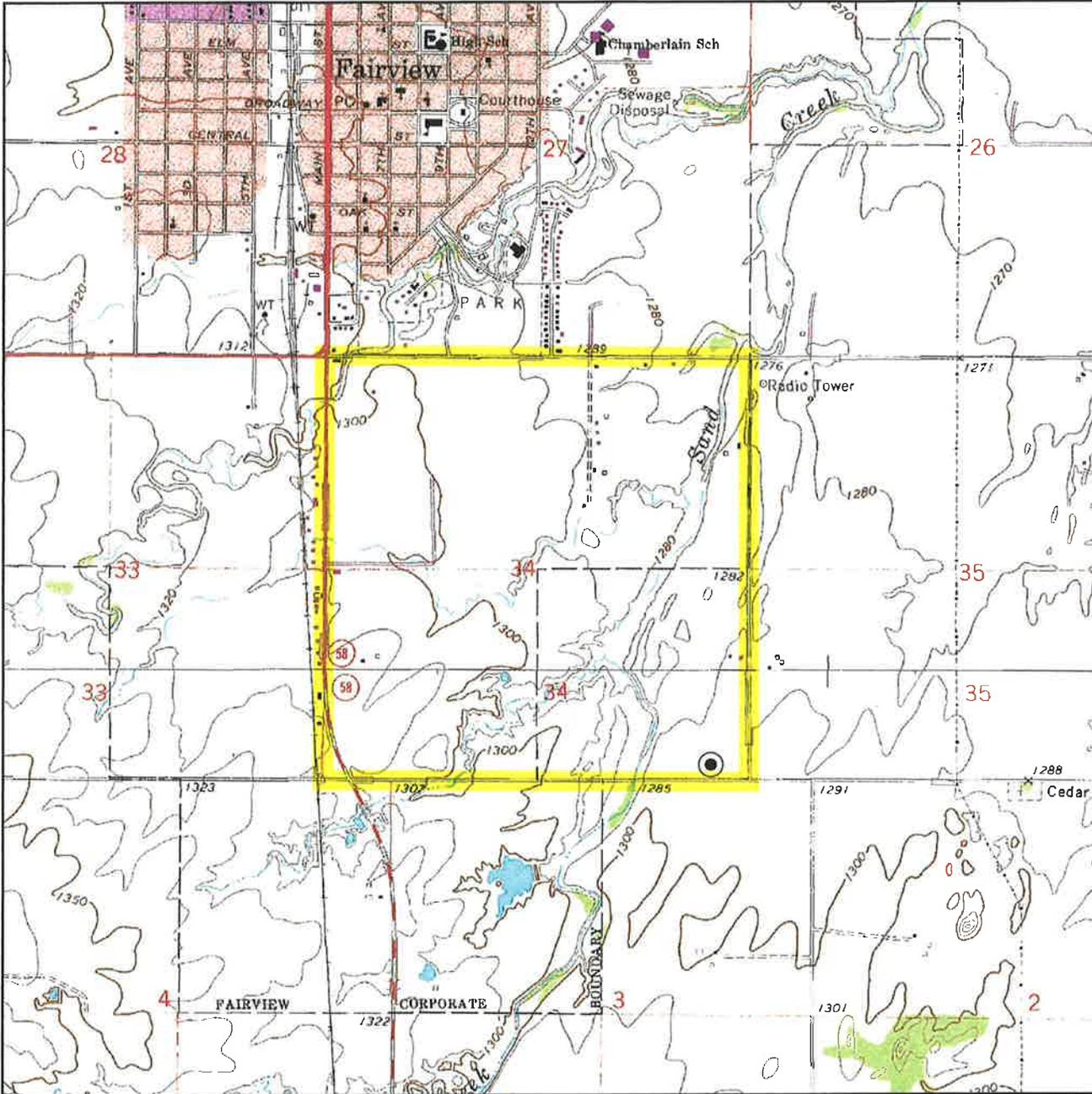
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 34 Twp. 21N Rng. 12W IM

County MAJOR State OK

Operator SANDRIDGE EXPLORATION & PRODUCTION, LLC

Description 210'FSL - 470'FEL

Lease POTTER 2112 1-35H

Elevation 1294' Gr. at Stake NAVD 88
1293' Gr. at Stake NGVD 29

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.



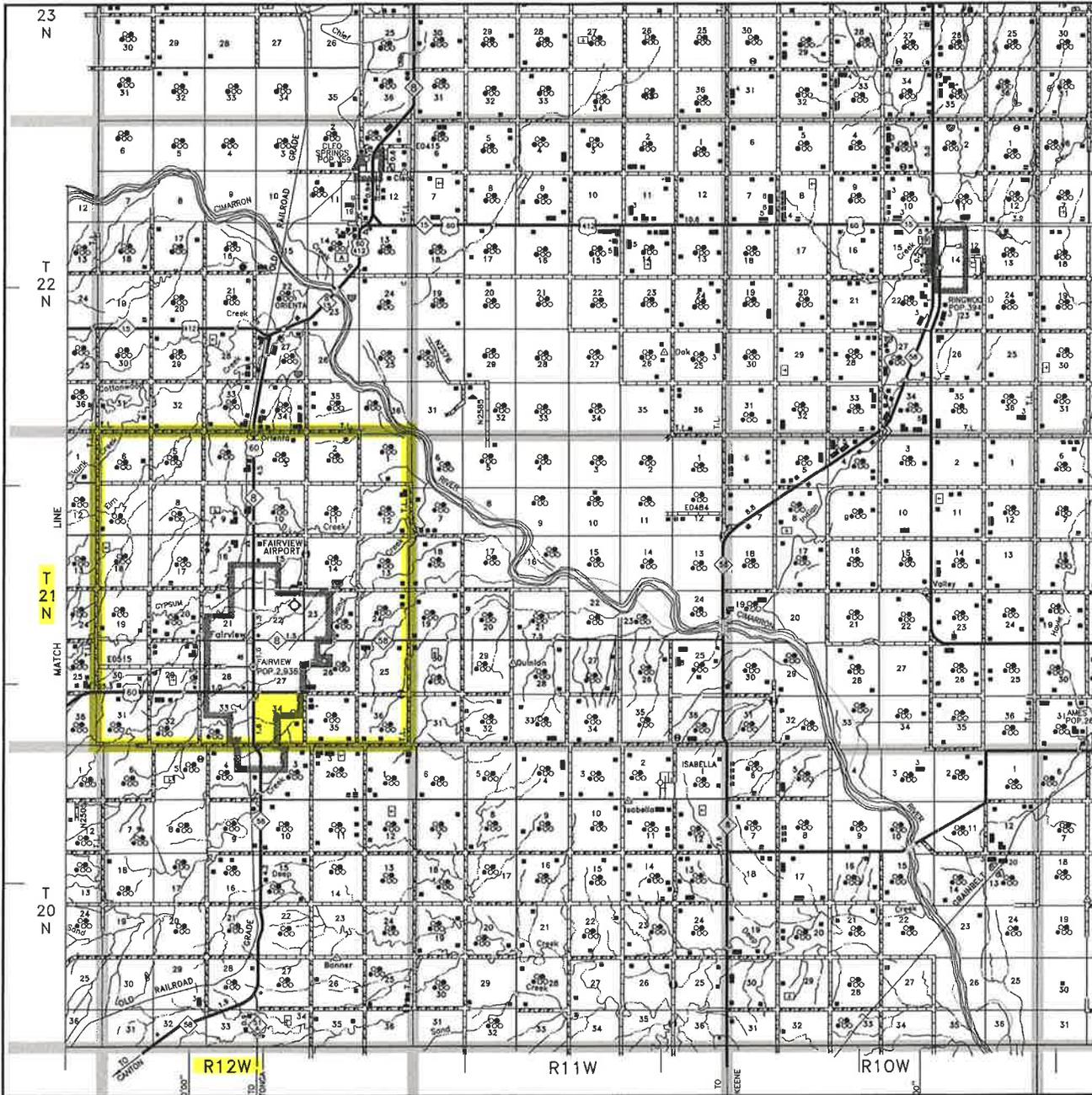
LAND SURVEYORS OF OKLAHOMA

June 22, 2018

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 34 Twp. 21N Rng. 12W IM

County MAJOR State OK

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