

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

API NUMBER: 017 25263

Approval Date: 09/04/2018

Expiration Date: 03/04/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 13N Rge: 6W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 285

Lease Name: WILKERSON 34-27-13-6

Well No: 1MXH

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: ROAN RESOURCES LLC

Telephone: 4052412150

OTC/OCC Number: 24127 0

ROAN RESOURCES LLC
14701 HERTZ QUAIL SPRINGS PKWY
OKLAHOMA CITY, OK 73134-2641

DONALD WILKERSON
10627 W WILSHIRE BLVD
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8850	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707095
201707096
201806918
201806917

Special Orders:

Total Depth: 19376

Ground Elevation: 1349

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35054

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 27 Twp 13N Rge 6W County CANADIAN

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 800

Depth of Deviation: 8281

Radius of Turn: 477

Direction: 5

Total Length: 10346

Measured Total Depth: 19376

True Vertical Depth: 8900

End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category

Description

DEEP SURFACE CASING

8/30/2018 - 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

8/30/2018 - 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

MEMO

8/30/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201707091

9/4/2018 - G58 - (E.O.) 34-13N-6W
X165:10-3-28(C)(2)(B) MSSP (WILKERSON 34-27-13-6 1MXH)
MAY BE CLOSER THAN 600 FEET FROM THE MCWILLIAMS 1-34 WELL
REC 8/7/2018 (JACKSON)

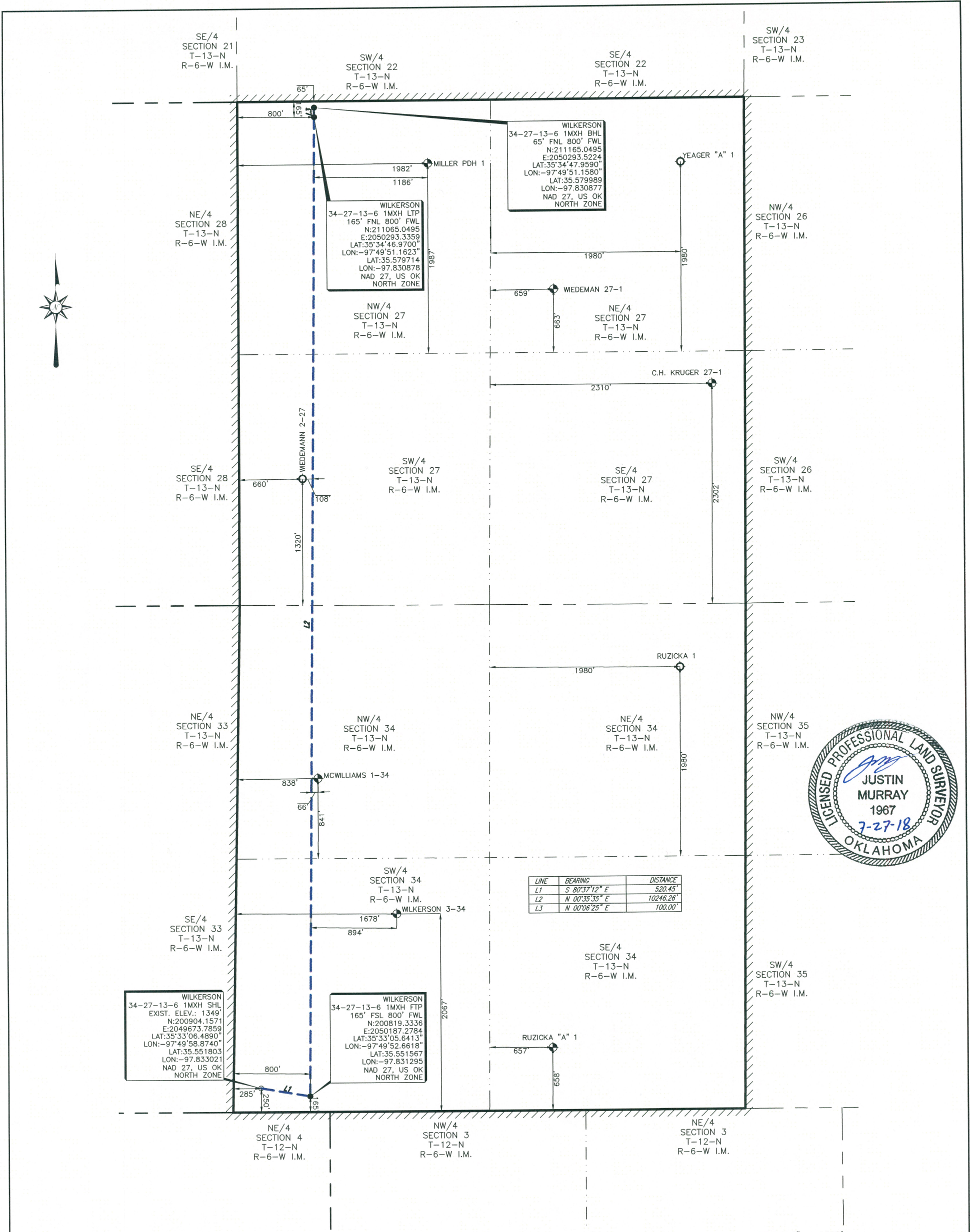
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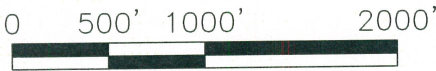
017 25263 WILKERSON 34-27-13-6 1MXH

Category	Description
PENDING CD - 201707095	8/31/2018 - G58 - (E.O.)(640)(HOR) 34-13N-6W VAC 122201 NE4 MISS EXT 629376 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 122201 NW4 & S2 MISS) REC 8/7/2018 (JACKSON)
PENDING CD - 201707096	8/31/2018 - G58 - (E.O.)(640)(HOR) 27-13N-6W VAC 125351 MISS VAC 111494 SE4 & E2 NE4 MISS EXT 615677 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 122201 MISS; SP. ORDER 111494 W2 NE4 MISS) REC 8/7/2018 (JACKSON)
PENDING CD - 201806917	8/31/2018 - G58 - (E.O.) 27 & 34-13N-6W EST MULTIUNIT HORIZONTAL WELL X201707095 MSSP 34-13N-6W X201707096 MSSP 27-13N-6W 50% 27-13N-6W 50% 34-13N-6W NO OP. NAMED REC 8/31/2018 (M. PORTER)
PENDING CD - 201806918	8/31/2018 - G58 - (E.O.) 27 & 34-13N-6W X201707095 MSSP 34-13N-6W X201707096 MSSP 27-13N-6W COMPL. INT. 34-13N-6W NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. 27-13N-6W NCT 0' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 8/31/2018 (M. PORTER)



LINE	BEARING	DISTANCE
L1	S 80°37'12" E	520.45'
L2	N 00°35'35" E	10246.26'
L3	N 00°06'25" E	100.00'

SCALE 1" = 1000'



PERMIT PLAT OF
ROAN RESOURCES, LLC.
WILKERSON 34-27-13-6 1MXH
250' FSL 285' FWL OF SECTION 34
MINCO FIELD
SECTION 34, TOWNSHIP 13 NORTH, RANGE 6 WEST I.M. &
SECTION 27, TOWNSHIP 13 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 250' FSL & 285' FWL
CANADIAN COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.99998264
2. SHL IS APPROXIMATELY 6.98 MILES N 78°47'35" E OF EL RENO OKLAHOMA.

FILE: S:\OK\CANADIAN\PROJECTS\T13N-R06W\DWG\

LEGEND	
SHL	SURFACE HOLE LOCATION
PP	PENETRATION POINT
FTP	FIRST TAKE POINT
LTP	LAST TAKE POINT
BHL	BOTTOM HOLE LOCATION
OCC	OKLAHOMA CORPORATION COMMISSION
●	POINT
⊙	EXISTING WELLHEAD
○	PROPOSED WELL LOCATION SET
○	SURFACE LOCATION OBTAINED FROM OCC

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. Loring Ave. 220
Midland, Texas 79701
Tel: (432) 520-2400
Fax: (432) 520-2404



CA#5957 EXPIRATION 6-30-2019
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400

STAKED WELL: 07/24/18
ADDED LATERAL: 07/27/18

REV: — AFE NO.: — JOB NO.: 18-0196
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

NOTE:
1. BEARINGS, DISTANCES & ACREAGE ARE GRID, HAD 27 US OK NORTH ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.
2. ELEVATIONS ARE BASED ON NAVD 88 COMPUTED USING GEOID 12B.
3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.
4. LOCATION OF ADJOINING WELLS OUTSIDE LEASE BOUNDARY ARE APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
5. DOWNHOLE INFORMATION PROVIDED BY THE CLIENT.
6. THIS SURVEY COMPLIES WITH THE US PUBLIC LAND SURVEY SYSTEM AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, EFFECTIVE JULY 25, 2013.
7. THIS IS NOT A BOUNDARY SURVEY.
8. THIS PERMIT PLAT HAS BEEN PREPARED FROM A SURVEY PLAT ON FILE IN THE OFFICE OF JOHN F. WATSON & COMPANY, MIDLAND TEXAS.
I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF ON-THE-GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

07/27/18

SHEET 1 OF 1