

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

API NUMBER: 017 25256

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: CANADIAN

SPOT LOCATION:  SW  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 230 285

Lease Name: WILKERSON 34-27-13-6

Well No: 2WXH

Well will be 230 feet from nearest unit or lease boundary.

Operator Name: ROAN RESOURCES LLC

Telephone: 4052412237

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 WOODFORD	9000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707096  
201707095  
201707101  
201707090

Special Orders:

Total Depth: 19456

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: 18-35055

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: NE NW NW NW
Feet From: NORTH 1/4 Section Line: 65
Feet From: WEST 1/4 Section Line: 400
Depth of Deviation: 8361
Radius of Turn: 477
Direction: 3
Total Length: 10346
Measured Total Depth: 19456
True Vertical Depth: 9000
End Point Location from Lease,
Unit, or Property Line: 65

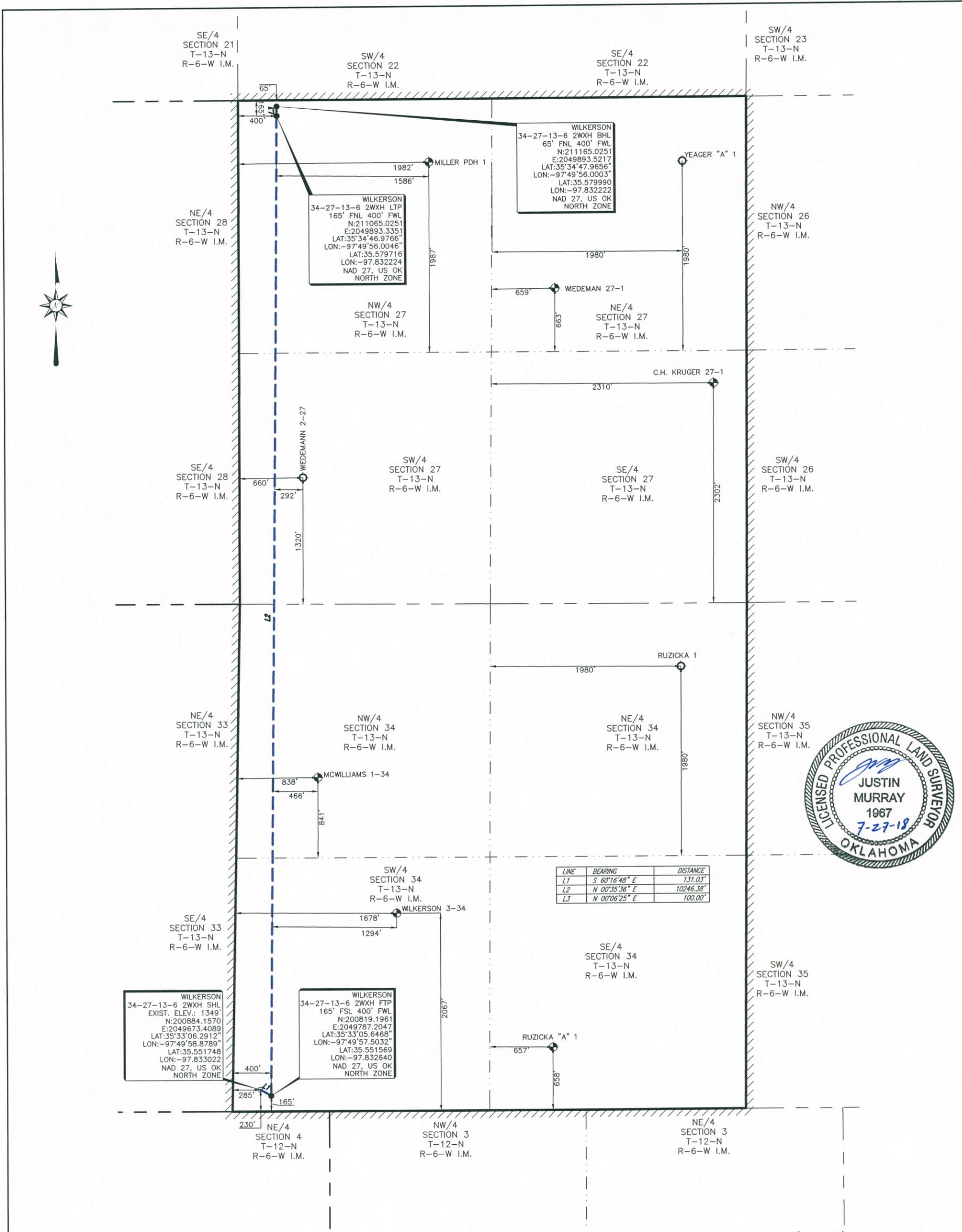
Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201707090 with detailed descriptions.

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.

Category	Description
PENDING CD - 201707095	7/31/2018 - G58 - (640)(HOR) 34-13N-6W EXT 629376 WDFD, OTHER COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL REC 8/7/2018 (JACKSON)
PENDING CD - 201707096	7/31/2018 - G58 - (640)(HOR) 27-13N-6W EXT 615677 WDFD, OTHER COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL REC 8/7/2018 (JACKSON)
PENDING CD - 201707101	7/31/2018 - G58 - (I.O.) 27 & 34-13N-6W EST MULTIUNIT HORIZONTAL WELL X201707096 WDFD 27-13N-6W X201707095 WDFD 34-13N-6W 50% 27-13N-6W 50% 34-13N-6W NO OP. NAMED REC 8/7/2018 (JACKSON)

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.



LINE	BEARING	DISTANCE
L1	S 60°16'48" E	131.03'
L2	N 00°35'36" E	10246.38'
L3	N 00°06'25" E	100.00'



**PERMIT PLAT OF**  
**ROAN RESOURCES, LLC.**  
**WILKERSON 34-27-13-6 2WXH**  
**230' 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: 230' FSL & 285' FWL**  
**CANADIAN COUNTY, OKLAHOMA**

NOTE:  
 1. COMBINED SCALE FACTOR: 0.99998264  
 2. SHL IS APPROXIMATELY 6.98 MILES N 78°49'24" E OF EL RENO OKLAHOMA.

<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>SHL SURFACE HOLE LOCATION</li> <li>PP PENETRATION POINT</li> <li>FTP FIRST TAKE POINT</li> <li>LTP LAST TAKE POINT</li> <li>BHL BOTTOM HOLE LOCATION</li> <li>OCC OKLAHOMA CORPORATION COMMISSION</li> <li>POINT EXISTING WELLHEAD</li> <li>PROPOSED WELL LOCATION SET</li> <li>SURFACE LOCATION OBTAINED FROM OCC</li> <li>AS-DRILLED LATERAL</li> <li>SUBJECT PROPOSED LATERAL</li> <li>PROPOSED LATERAL</li> <li>LEASE LINE</li> <li>SURVEY LINE</li> </ul>	<p>STAKED WELL: 07/24/18                  ADDED LATERAL: 07/27/18</p>	<p>NOTE:                  1. BEARINGS, DISTANCES &amp; ACREAGE ARE GRID, NAD 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 &amp; 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 &amp; 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.</p>						
<p><b>John F. Watson &amp; Company</b>                  LAND &amp; DEVELOPMENT SERVICES                  PROFESSIONAL LAND SURVEYORS                  200 N. LORAIN, Ste. 220                  Midland, Texas 79701                  Off: (432) 520-2400                  Fax: (432) 520-2404</p>	<p>CA#5957 EXPIRATION 6-30-2019                  200 N LORAIN #220                  MIDLAND, TX 79701                  (432) 520-2400</p>	<table border="1"> <tr> <td>REV: -</td> <td>AFE NO.: -</td> <td>JOB NO.: 18-0206</td> </tr> <tr> <td>FIELD BOOK: SERVER</td> <td>VER: 1</td> <td>DRAWN BY: LLF</td> </tr> </table> <p align="right">07/27/18 <b>PROFESSIONAL LAND SURVEYOR</b> SHEET 1 OF 1</p>	REV: -	AFE NO.: -	JOB NO.: 18-0206	FIELD BOOK: SERVER	VER: 1	DRAWN BY: LLF
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