

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:

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:

#### Category

#### Description

#### DEEP SURFACE CASING

7/31/2018 - 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

7/31/2018 - 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](http://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](http://FRACFOCUS.ORG)

#### MEMO

7/31/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201707090

7/31/2018 - G58 - (I.O.) 27 & 34-13N-6W  
X201707096 WDFD 27-13N-6W  
X201707095 WDFD 34-13N-6W  
COMPL. INT. (27-13N-6W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL  
COMPL. INT. (34-13N-6W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL  
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.

017 25256 WILKERSON 34-27-13-6 2WXH

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)

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Office of the Conservation Division as to when Surface Casing will be run.





0 500' 1000' 2000'

SECTION 34, TOWNSHIP 13 NORTH, RANGE 6 WEST I.M. &  
SECTION 27, TOWNSHIP 13 NORTH, RANGE 6 WEST I.M.

NOTE:

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

**LEGEND**

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

**LAND & DEVELOPMENT SERVICES**  
**PROFESSIONAL LAND SURVEYORS**

200 N. Lorraine, Ste. 220 off. (432) 520-2400  
Midland, Texas 79701 fax. (432) 520-2404

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

REV: -	AFE NO.: -	JOB NO.: 18-0206
FIELD BOOK: SERVER		VER: 1 DRAWN BY: LLE

NOTE:

1. BEARINGS, DISTANCES & ACRES 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 & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.  
LOCATION OF ADJACENT WELLS OUTSIDE THE SURVEY AREA IS APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
4. DOWNGHOLE INFORMATION PROVIDED BY THE CLIENT.
5. THIS SURVEY WAS CONDUCTED USING THE U.S. 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.
6. THIS IS NOT A BOUNDARY SURVEY.
7. THIS PERMIT PLAT HAS BEEN PREPARED FROM A SURVEY PLAT ON FILE IN THE OFFICE OF JOHN F. WATSON & COMPANY, MIDLAND TEXAS.
8. 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.

BEST OF MY KNOWLEDGE AND  
PROFESSIONAL LAND SURVEYOR

07/27/18

SHEET 1 OF 1