

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

API NUMBER: 051 24475

Approval Date: 09/12/2018

Expiration Date: 03/12/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 9N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ NW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 375 1150

Lease Name: LARRY 26-23-9-5

Well No: 2WXH

Well will be 375 feet from nearest unit or lease boundary.

Operator Name: ROAN RESOURCES LLC

Telephone: 4058968453

OTC/OCC Number: 24127 0

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

LARRY WAYNE STACY  
307 HOFFMAN DRIVE  
NORMAN OK 73026

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

Name	Depth	Name	Depth
1 WOODFORD	9940	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 653331  
655130

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805370  
201805371  
201805368  
201805369

Special Orders:

Total Depth: 20429

Ground Elevation: 1339

**Surface Casing: 490**

Depth to base of Treatable Water-Bearing FM: 440

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? Y

Wellhead Protection Area? Y

Pit is not located in a Hydrologically Sensitive Area.

**Category of Pit: 1A**

**Liner required for Category: 1A**

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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: 18-35015

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? Y

Wellhead Protection Area? Y

Pit is **not** located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

## HORIZONTAL HOLE 1

Sec 23 Twp 9N Rge 5W County GRADY

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 1060

Depth of Deviation: 9180

Radius of Turn: 573

Direction: 1

Total Length: 10348

Measured Total Depth: 20429

True Vertical Depth: 9940

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

### Notes:

#### Category

#### Description

HYDRAULIC FRACTURING

7/30/2018 - 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](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

7/30/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201805368

8/6/2018 - G57 - 26-9N-5W  
X653331 WDFD  
5 WELLS  
NO OP. NAMED  
REC 8-7-2018 (FOREMAN)

PENDING CD - 201805369

8/6/2018 - G57 - 23-9N-5W  
X655130 WDFD  
5 WELLS  
NO OP. NAMED  
REC 8-7-2018 (FOREMAN)

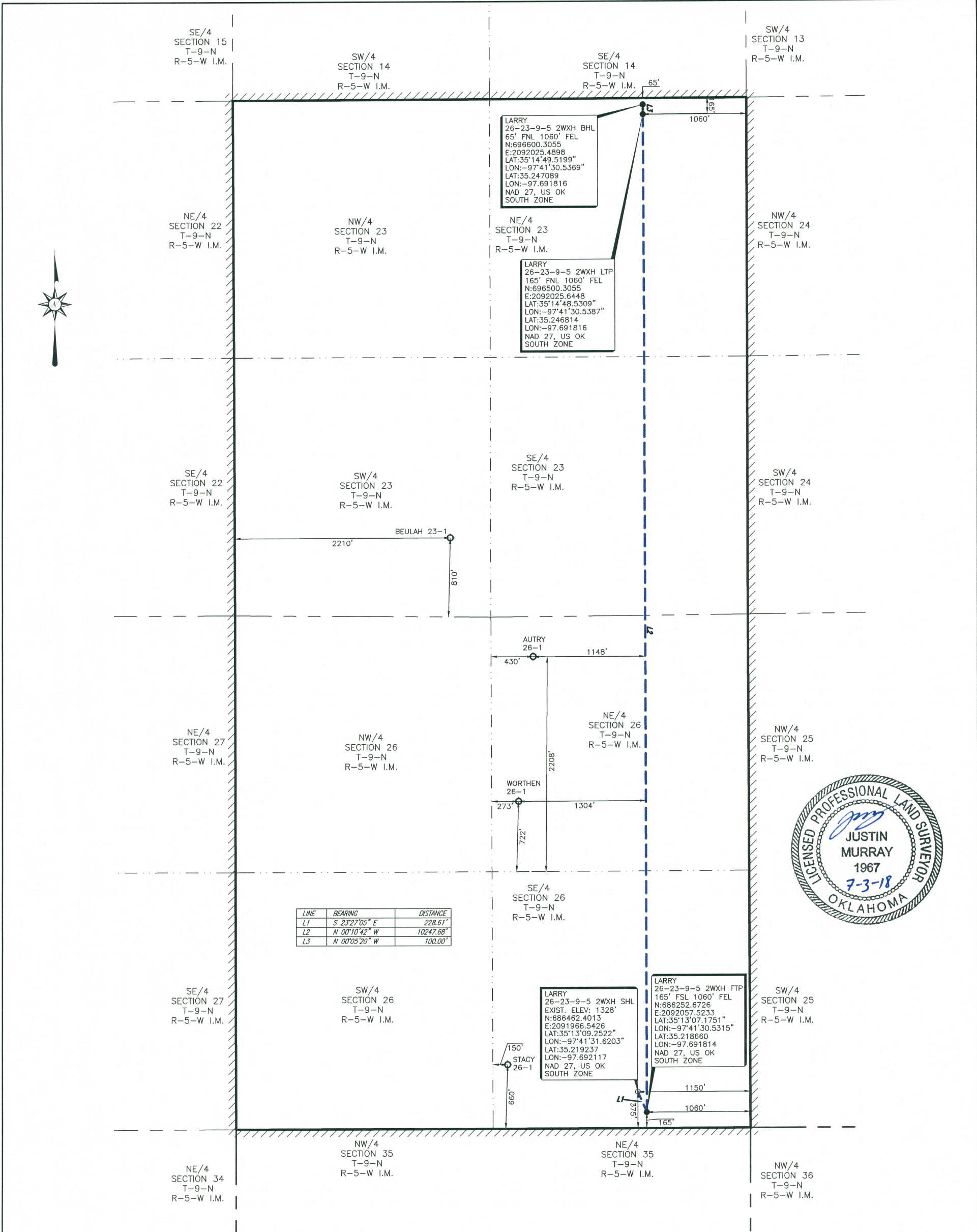
This permit does not address the right of entry or settlement of surface damages.

051 24475 LARRY 26-23-9-5 2WXH

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 - 201805370	8/6/2018 - G57 - (I.O.) 26 & 23-9N-5W EST MULTIUNIT HORIZONTAL WELL X653331 WDFD 26-9N-5W X655130 WDFD 23-9N-5W 50% 26-9N-5W 50% 23-9N-5W ROAN RESOURCES, LLC. REC 9-11-2018 (FOREMAN)
PENDING CD - 201805371	8/6/2018 - G57 - (I.O.) 26 & 23-9N-5W X653331 WDFD 26-9N-5W X655130 WDFD 23-9N-5W X165:10-3-28(C)(2)(B) WDFD (LARRY 26-23-9-5 2WHX) MAY BE CLOSER THAN 600' TO ANOTHER WELLBORE COMPL. INT. (26-9N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (23-9N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC 8-7-2018 (FOREMAN)
PUBLIC WATER SUPPLY WELL	7/30/2018 - G71 - BELLCO - 1 PWS/WPA, SW/4 26-9N-5W
SPACING - 653331	8/6/2018 - G57 - (640)(HOR) 26-9N-5W EST WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 655130	8/6/2018 - G57 - (640)(HOR) 23-9N-5W EST WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL



LINE	BEARING	DISTANCE
L1	S 23°27'05" E	228.61'
L2	N 00°10'42" W	10247.68'
L3	N 00°05'20" W	100.00'

NOTE:  
1. COMBINED SCALE FACTOR: 0.999947069  
2. SHL IS APPROXIMATELY 8.38 MILES S 54°06'27" E OF TUTTLE OKLAHOMA.

PERMIT PLAT OF  
ROAN RESOURCES, LLC.  
**LARRY 26-23-9-5 2WXH**  
**375' FSL 1150' FEL OF SECTION 26**  
MINCO FIELD  
SECTION 26, TOWNSHIP 9 NORTH, RANGE 5 WEST I.M. &  
SECTION 23, TOWNSHIP 9 NORTH, RANGE 5 WEST I.M.  
**LEASE LINES**  
**SHL: 375' FSL 1150' FEL**  
GRADY COUNTY, OKLAHOMA

FILE: S:\OK\GRADY\PROJECTS\T09N-R05W\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
---	AS-DRIILLED LATERAL
---	SUBJECT PROPOSED LATERAL
---	PROPOSED LATERAL
---	LEASE LINE
---	SURVEY LINE

John F. Watson & Company

LAND & DEVELOPMENT SERVICES  
PROFESSIONAL LAND SURVEYORS  
200 N. Lorraine, Ste. 220  
Midland, Texas 79701  
o/t: (432) 520-2400  
f/c: (432) 520-2404



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

ORIGINAL STAKE DATE: 06/29/18  
ADDED LATERAL: 07/03/18

REV: -- AFE NO.: -- JOB NO.: 18-0183  
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

NOTE:  
1. BEARINGS, DISTANCES & ACREAGE ARE GRID, NAD 27 US OK SOUTH 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.

07/03/18

SHEET 1 OF 1