

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

API NUMBER: 051 24433 A

Approval Date: 08/09/2018
Expiration Date: 02/09/2019

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION; PIT TAB

AMEND 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: 335 1150

Lease Name: LARRY 26-23-9-5

Well No: 4WXH

Well will be 335 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: 201805374
201805375
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: 18-35013

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 NW NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 2380

Depth of Deviation: 9179

Radius of Turn: 573

Direction: 350

Total Length: 10349

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; 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

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)

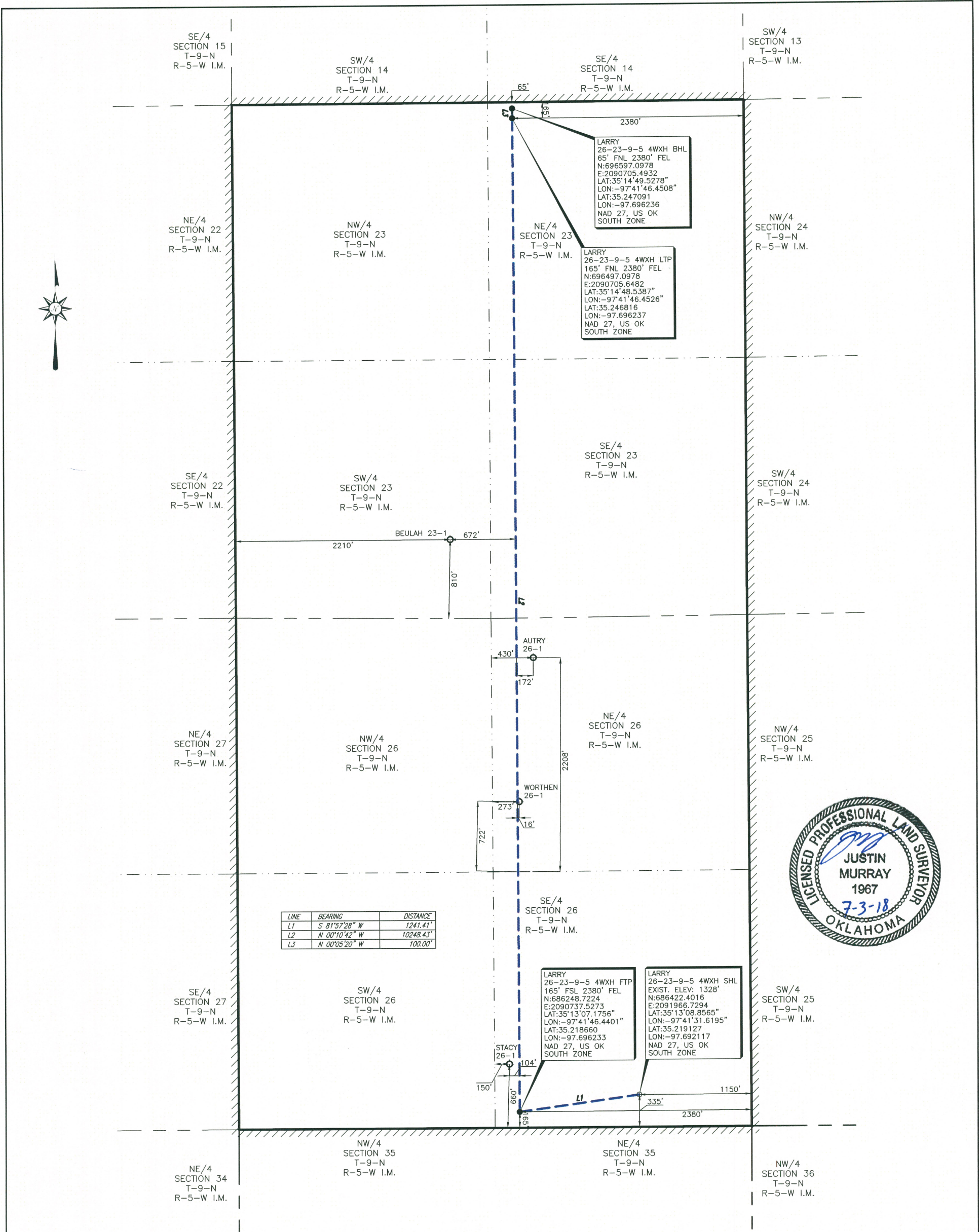
This permit does not address the right of entry or settlement of surface damages.

051 24433 LARRY 26-23-9-5 4WXH

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 - 201805374	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 8-7-2018 (FOREMAN)
PENDING CD - 201805375	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 4WHX) MAY BE CLOSER THAN 600' TO ANOTHER WELLBORE COMPL. INT. (26-9N-5W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (23-9N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1320' 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



PERMIT PLAT OF
ROAN RESOURCES, LLC.
LARRY 26-23-9-5 4WXH
335' 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: 335' FSL 1150' FEL
GRADY COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 8.39 MILES S 54°03'56" E OF TUTTLE OKLAHOMA.

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 128.
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.

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-DRILLED LATERAL
SUBJECT PROPOSED LATERAL
PROPOSED LATERAL
LEASE LINE
SURVEY LINE

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. Loraine, Ste. 220
Midland, Texas 79701
o/f: (432) 520-2400
f/c: (432) 520-2404
TXLS FIRM#101173-00

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.: 18-0182
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

07/03/18

SHEET 1 OF 1