

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

API NUMBER: 017 25391

Approval Date: 02/15/2019

Expiration Date: 08/15/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 12N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 310 760

Lease Name: JUSTIFY 26-23-12-6

Well No: 4MXH

Well will be 310 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

ELBERT VANCE WINNINGHAM III  
30773 N. 2976 RD.  
CASHION OK 73016

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	8815	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671192  
671073

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810337  
201810338  
201810330  
201810329

Special Orders:

Total Depth: 19375

Ground Elevation: 1309

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 830

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 18-35896

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

## HORIZONTAL HOLE 1

Sec 23 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 1800

Depth of Deviation: 8168

Radius of Turn: 573

Direction: 350

Total Length: 10307

Measured Total Depth: 19375

True Vertical Depth: 8815

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

12/21/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

12/21/2018 - 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

12/21/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201810329

2/7/2019 - G75 - 23-12N-6W  
X671192 MSSP, OTHER  
5 WELLS  
NO OP. NAMED  
REC 1-8-2019 (P. PORTER)

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

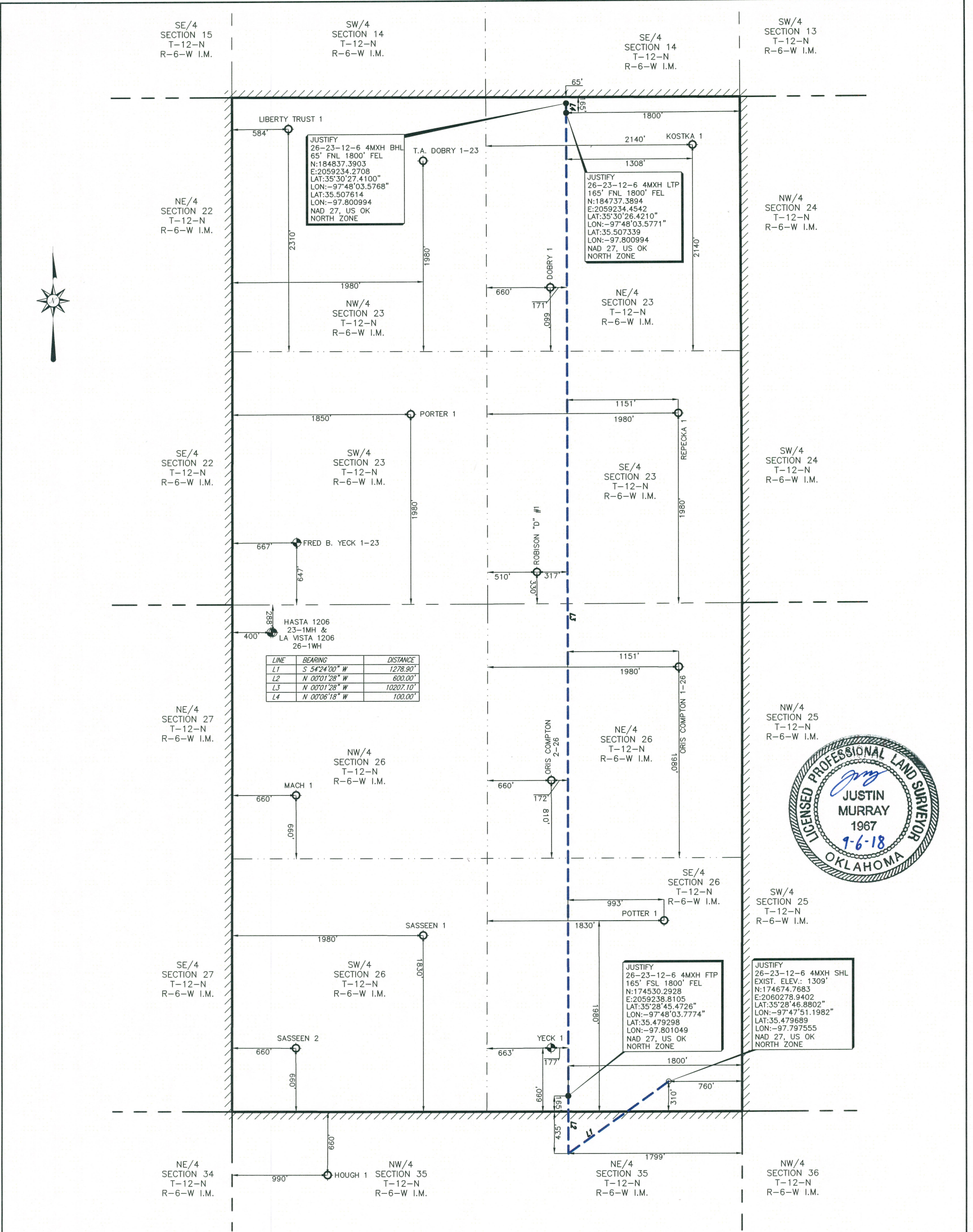
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

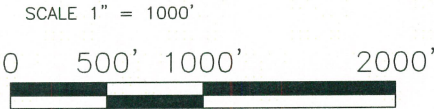
017 25391 JUSTIFY 26-23-12-6 4MXH

Category	Description
PENDING CD - 201810330	2/7/2019 - G75 - 26-12N-6W X671073 MSSP, OTHER 5 WELLS NO OP. NAMED REC 1-8-2019 (P. PORTER)
PENDING CD - 201810337	2/7/2019 - G75 - (I.O.) 26 & 23-12N-6W EST MULTIUNIT HORIZONTAL WELL X671073 MSSP 26-12N-6W X671192 MSSP 23-12N-6W 50% 26-12N-6W 50% 23-12N-6W NO OP. NAMED REC 1-8-2019 (P. PORTER)
PENDING CD - 201810338	2/7/2019 - G75 - (I.O.) 26 & 23-12N-6W X671073 MSSP 26-12N-6W X671192 MSSP 23-12N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (26-12N-6W) NCT 150' FSL, NCT 0' FNL, NCT 1750' FEL COMPL. INT. (23-12N-6W) NCT 0' FSL, NCT 150' FNL, NCT 1750' FEL NO OP. NAMED REC 1-8-2019 (P. PORTER)
SPACING - 671073	2/7/2019 - G75 - (640)(HOR) 26-12N-6W EXT 635714 MSSP, OTHERS COMPL. INT. NCT 660' FB
SPACING - 671192	2/7/2019 - G75 - (640)(HOR) 23-12N-6W EXT 635714 MSSP, OTHERS COMPL. INT. NCT 660' FB (COEXIST SP. ORDER # 140135/143956 MSSLM N2, SE4 & ORDER # 140135/143956/144365 MSSLM SW4) **  ** SHOULD ALSO COEXIST SP. ORDER # 141069/143956 MISS; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY AND A COPY REVIEWED BY OCC





PERMIT PLAT OF  
ROAN RESOURCES, LLC.  
**JUSTIFY 26-23-12-6 4MXH**  
**310' FSL 760' FEL OF SECTION 26**  
MINCO FIELD  
SECTION 26, TOWNSHIP 12 NORTH, RANGE 6 WEST I.M. &  
SECTION 23, TOWNSHIP 12 NORTH, RANGE 6 WEST I.M.  
**LEASE LINES**  
**SHL: 310' FSL & 760' FEL**  
CANADIAN COUNTY, OKLAHOMA



- NOTE:
1. COMBINED SCALE FACTOR: 0.99998264
  2. SHL IS APPROXIMATELY 7.35 MILES N 34°24'21" W OF MUSTANG OKLAHOMA.

FILE: S:\OK\CANADIAN\PROJECTS\T12N-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
- AS-DRILLED LATERAL
- SUBJECT PROPOSED LATERAL
- PROPOSED LATERAL
- LEASE LINE
- SURVEY LINE

**John F. Watson & Company**  
LAND & DEVELOPMENT SERVICES  
PROFESSIONAL LAND SURVEYORS  
200 N. LORAIN, Ste. 220  
Midland, Texas 79701  
OFF: (432) 520-2400  
FAX: (432) 520-2404

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

ORIGINAL STAKE DATE: 08/23/18  
ADDED LATERAL DATE: 09/06/18

REV: - AFE NO.: - JOB NO.: 18-0260  
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

NOTE:  
1. BEARINGS, DISTANCES & 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 & 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 COMPLES 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.

09/06/18  
PROFESSIONAL LAND SURVEYOR  
SHEET 1 OF 1