

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

API NUMBER: 017 25373

Approval Date: 01/23/2019

Expiration Date: 07/23/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 11N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 325 1740

Lease Name: SKYWALKER 34-27-11-6

Well No: 1MXH

Well will be 325 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

CARPENTER FAMILY LLC
13801 SW 89TH
MUSTANG OK 73064

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

| Name | Depth | Name | Depth |
|-----------------|-------|------|-------|
| 1 MISSISSIPPIAN | 9421 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: 654420

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808618
201808617
201808619
201808636
201808637

Special Orders:

Total Depth: 19981

Ground Elevation: 1279

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 420

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 30000 Average: 5000

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 18-35606

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 27 Twp 11N Rge 6W County CANADIAN

Spot Location of End Point: N2 NW NE NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 8850

Radius of Turn: 510

Direction: 359

Total Length: 10330

Measured Total Depth: 19981

True Vertical Depth: 9421

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

Notes:

Category

Description

DEEP SURFACE CASING

11/5/2018 - GA8 - 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

11/5/2018 - GA8 - 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

11/5/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - DRY CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808617

1/22/2019 - GB1 - (640)(HOR) 34-11N-6W
VAC OTHER
EST MSSP, OTHER
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER #231308 MSSP)
REC. 11/13/2018 (JACKSON)

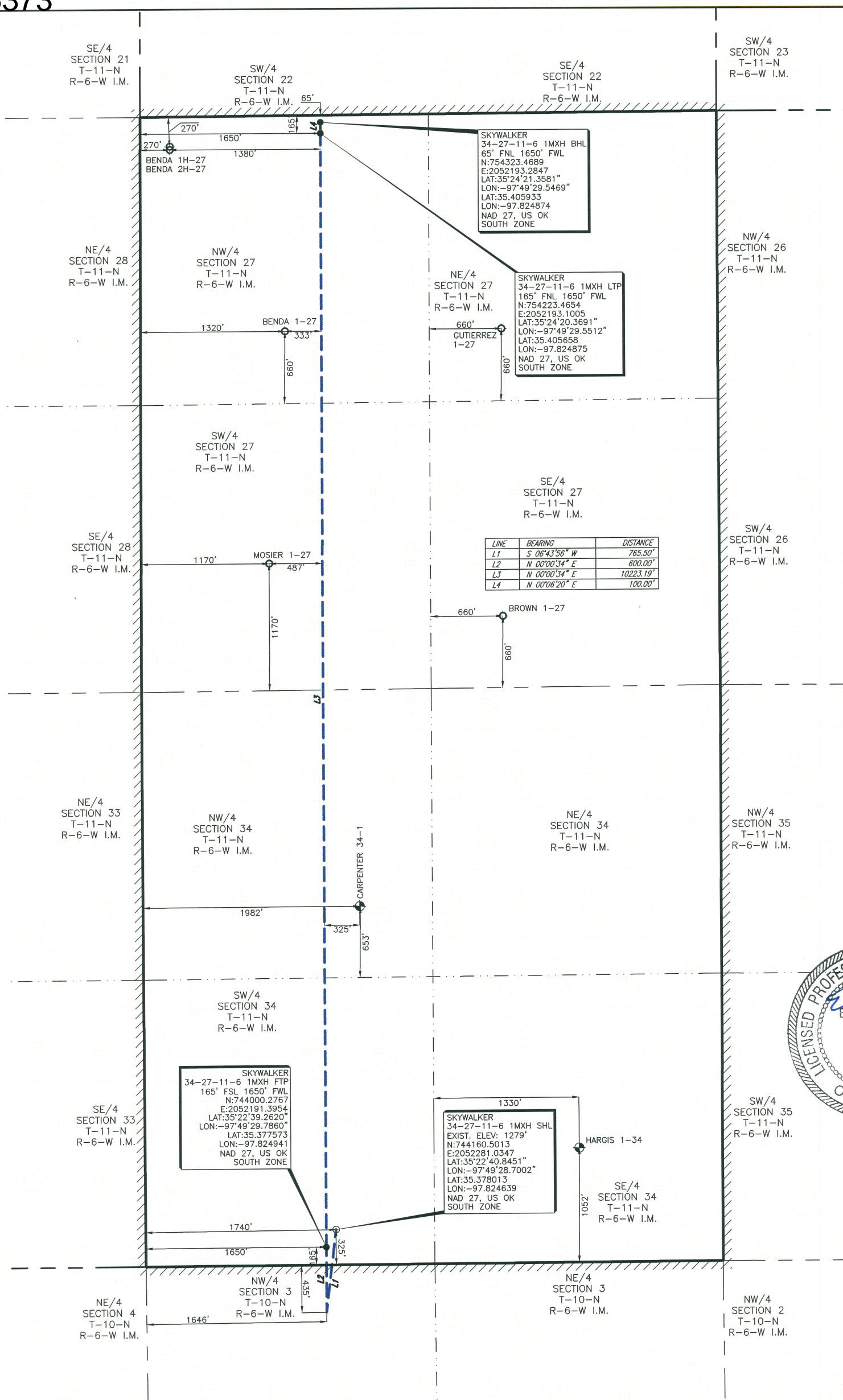
This permit does not address the right of entry or settlement of surface damages.

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

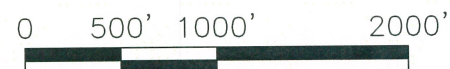
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

017 25373 SKYWALKER 34-27-11-6 1MXH

| Category | Description |
|------------------------|--|
| PENDING CD - 201808618 | 1/22/2019 - GB1 - (I.O.) 27 & 34-11N-6W EST MULTIUNIT HORIZONTAL WELL X654420 MSSP (27-11N-6W) X201808617 MSSP (34-11N-6W) 50% 27-11N-6W 50% 34-11N-6W ROAN RESOURCES, LLC REC. 12/04/2018 (DENTON) |
| PENDING CD - 201808619 | 1/22/2019 - GB1 - (I.O.) 27 & 34-11N-6W X654420 MSSP 27-11N-6W X201808617 MSSP 34-11N-6W X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO EXISTING WELLBORE (CARPENTER 34-1) COMPL. INT. (34-11N-6W) NCT 235' FSL***, NCT 0' FNL, NCT 1650' FWL COMPL. INT. (27-11N-6W) NCT 0' FSL, NCT 165' FNL, NCT 1650' FWL NO OP. NAMED REC. 12/04/2018 (DENTON) ***WILL BE CORRECTED AT FINAL HEARING TO 165' FSL PER ATTORNEY FOR OPERATOR |
| PENDING CD - 201808636 | 1/22/2019 - GB1 - 27-11N-6W X65440 MSSP 3 WELLS NO OP. NAMED REC. 11/27/2018 (DENTON) |
| PENDING CD - 201808637 | 1/22/2019 - GB1 - 34-11N-6W X201808617 MSSP 2 WELLS NO OP. NAMED REC. 11/27/2018 (DENTON) |
| SPACING - 654420 | 1/22/2019 - GB1 - (640)(HOR) 27-11N-6W EST MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 243683 MISS, #274674 KDRK, OTHER NE4) |



SCALE 1" = 1000'







PERMIT PLAT OF
ROAN RESOURCES, LLC.
SKYWALKER 34-27-11-6 1MXH
325' FSL 1740' FWL OF SECTION 34
MINCO FIELD
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.

LEASE LINES
SHL: 325' FSL 1740' FWL
CANADIAN COUNTY, OKLAHOMA

NOTE:

1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 5.74 MILES S 80°28'04" W OF MUSTANG OKLAHOMA.

FILE: S:\OK\GRADY\PROJECTS\T11N-R06W\DWG\

| <u>LEGEND</u> | | |
|---------------|---------------------------------|---|
| SHL | SURFACE HOLE LOCATION |  POINT |
| PP | PENETRATION POINT |  EXISTING WELLHEAD |
| FTP | FIRST TAKE POINT |  PROPOSED WELL LOCATION SET |
| LTP | LAST TAKE POINT |  SURFACE LOCATION OBTAINED F |
| BHL | BOTTOM HOLE LOCATION | |
| OCC | OKLAHOMA CORPORATION COMMISSION | |

John F. Watson & Company

**LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS**

200 N. Lorraine, 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: 10/01/18
ADDED LATERAL: 10/02/18
REVISED WELLHEAD LAYOUT: 10/16/18
MOVED SHL: 11/14/18

| | | |
|--------------------|------------|---------------------------|
| REV: 2 | AFE NO.: - | JOB NO.: 18-0267 |
| FIELD BOOK: SERVER | | VER: 1 DRAWN BY: LLF |

NOTE:

- NOTE:
1. BEARINGS, DISTANCES & ACREAGE ARE GRID, NAD 27 US CO SOUTH ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.
 2. ELEVATIONS ARE BASED ON NAD 88 COMPILED USING GCOUD 128.
 3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.
 4. LOCATION OF ADJOINING WELLS SURFACE LEASE BOUNDARY ARE APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
 5. 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 SURVEYORS, 27FAC 100, 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

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.

PROFESSIONAL LAND SURVEYOR

11/16/18

SHEET 1 OF 1