

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

API NUMBER: 017 25410

Approval Date: 03/14/2019

Expiration Date: 09/14/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 11N Rge: 6W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 270 1270

Lease Name: TATER 27-34-11-6

Well No: 2MXH

Well will be 270 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

BETTY JEAN REVOCABLE TRUST  
16145 SW 59TH STREET  
EL RENO OK 73036

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	9074	6
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 654420

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808630  
201808617  
201808631  
201808638  
201808639

Special Orders:

Total Depth: 19634

Ground Elevation: 1378

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 80

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: 2

Liner not required for Category: 2

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: 18-35611

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 34 Twp 11N Rge 6W County CANADIAN

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 900

Depth of Deviation: 8398

Radius of Turn: 575

Direction: 175

Total Length: 10333

Measured Total Depth: 19634

True Vertical Depth: 9074

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

Notes:

Category

Description

DEEP SURFACE CASING

11/1/2018 - 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

11/1/2018 - 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

11/1/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808617

11/13/2018 - G58 - (640)(HOR) 34-11N-6W  
EST MSSP, OTHER  
COMPL. INT. NLT 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.

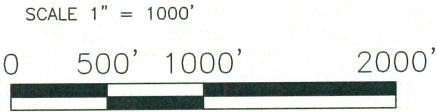
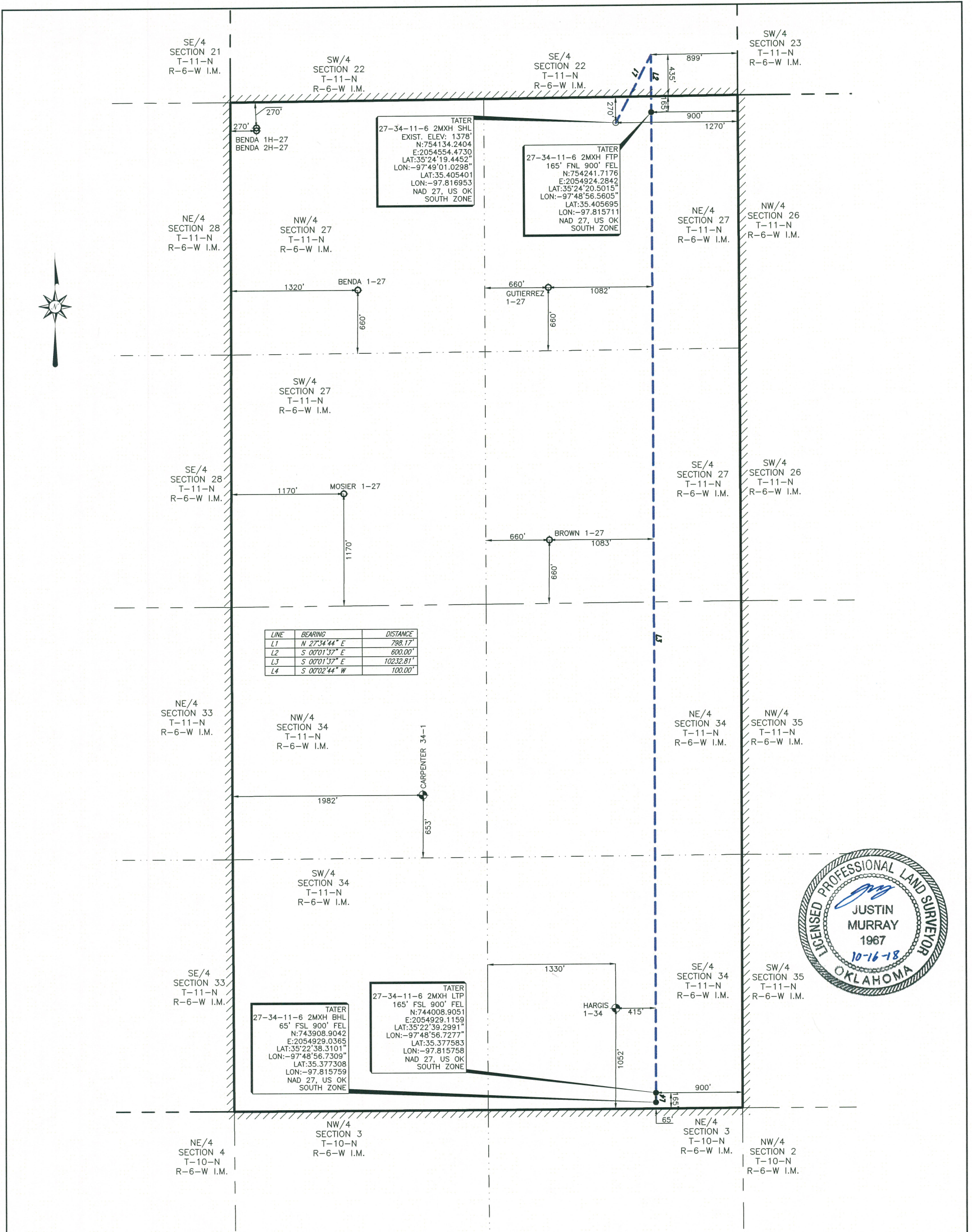
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

017 25410 TATER 27-34-11-6 2MXH

Category	Description
PENDING CD - 201808630	11/13/2018 - G58 - (I.O.) 27 & 34-11N-6W EST MULTIUNIT HORIZONTAL WELL X654420 MSSP, OTHER 27-11N-6W X201808617 MSSP, OTHER 34-11N-6W 50% 27-11N-6W 50% 34-11N-6W NO OP. NAMED REC 12/4/2018 (DENTON)
PENDING CD - 201808631	11/13/2018 - G58 - (I.O.) 27 & 34-11N-6W X654420 MSSP, OTHER 27-11N-6W X201808617 MSSP, OTHER 34-11N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING WELL COMPL. INT. 27-11N-6W NCT 165' FNL, NCT 0' FSL, NCT 1270' FEL COMPL. INT. 34-11N-6W NCT 0' FNL, NCT 165' FSL, NCT 900' FEL NO OP. NAMED REC 12/4/2018 (DENTON)
SPACING - 654420	11/13/2018 - G58 - (640)(HOR) 27-11N-6W EST MSSP, OTHER COMPL. INT. NCT 660' FB (COEXIST SP ORDER 243683 MISS)





PERMIT PLAT OF  
ROAN RESOURCES, LLC.  
**TATER 27-34-11-6 2MXH**  
**270' FNL 1270' FEL OF SECTION 27**  
MINCO FIELD  
SECTION 27, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M. &  
SECTION 34, TOWNSHIP 11 NORTH, RANGE 6 WEST I.M.  
**LEASE LINES**  
**SHL: 270' FNL 1270' FEL**  
CANADIAN COUNTY, OKLAHOMA

NOTE:  
1. COMBINED SCALE FACTOR: 0.999947069  
2. SHL IS APPROXIMATELY 5.32 MILES N 79°50'44" W OF MUSTANG OKLAHOMA.

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

ORIGINAL STAKE DATE: 09/17/18  
ADDED LATERAL: 10/09/18  
CHANGED WELL NAME: 10/16/18

REV: 1 AFE NO.: — JOB NO.: 18-0269  
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.

10/16/18

PROFESSIONAL LAND SURVEYOR

SHEET 1 OF 1

**John F. Watson & Company**  
LAND & DEVELOPMENT SERVICES  
PROFESSIONAL LAND SURVEYORS  
200 N. Lorraine, Ste. 220  
Midland, Texas 79701  
Tel: (432) 520-2400  
Fax: (432) 520-2400  
TXLS FIRM #1017340

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