

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

API NUMBER: 017 25367 A

Approval Date: 01/15/2019
Expiration Date: 07/15/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: UPDATED BHL TO REFLECT 2.5 MILE WELL;
UPDATED NAME AND ADDED ADDITIONAL CD CAUSE
APPLICATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 11N Rge: 7W County: CANADIAN
SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 350 1290

Lease Name: RED BULLET 22-27-34-11-7 Well No: 3WXH Well will be 350 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

SCHIEBER FAMILY FARMS LLC
5225 S HWY 81
UNION CITY OK 73090

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

Name	Depth	Name	Depth
1 WOODFORD	10554	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 662710
660387

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900933
201900932
201900927
201900928
201900929

Special Orders:

Total Depth: 23754 Ground Elevation: 1352 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 380

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 not located in a Hydrologically Sensitive Area.
Category of Pit: 2
Liner not required for Category: 2
Pit Location is NON HSA
Pit Location Formation: DOG CREEK

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: 18-35900
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 not located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

HORIZONTAL HOLE 1

Sec 34 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: SW NW NE SW

Feet From: SOUTH 1/4 Section Line: 2300

Feet From: WEST 1/4 Section Line: 1450

Depth of Deviation: 9654

Radius of Turn: 573

Direction: 179

Total Length: 13200

Measured Total Depth: 23754

True Vertical Depth: 10554

End Point Location from Lease,
Unit, or Property Line: 1450

Notes:

Category

Description

DEEP SURFACE CASING

3/7/2019 - 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

3/7/2019 - 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

3/7/2019 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201900927

3/7/2019 - G56 - 22-11N-7W
X662710 WDFD, OTHER
3 WELLS; 2 WDFD, 1 OTHER
NO OP NAMED
REC 3/4/2019 (THOMAS)

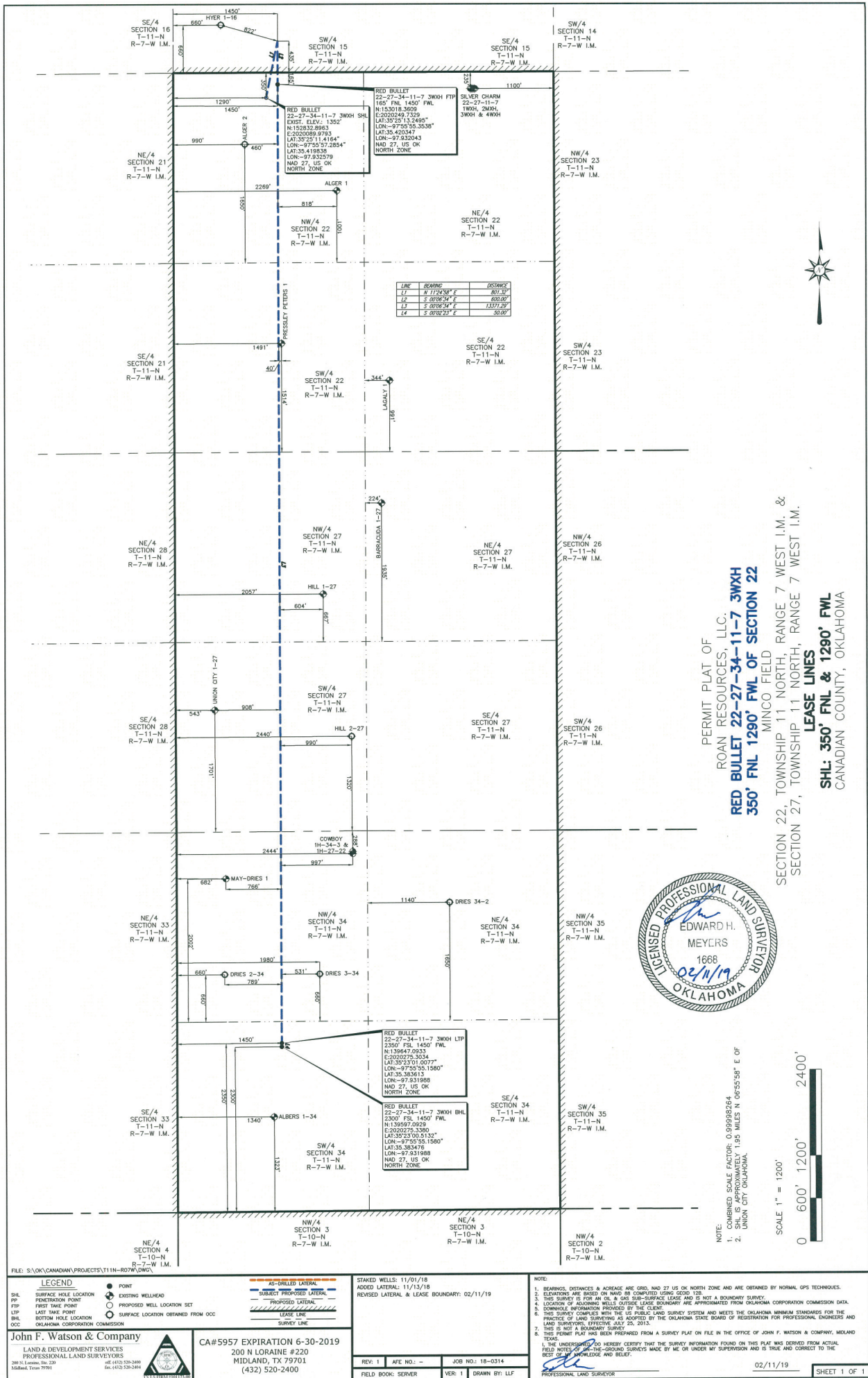
This permit does not address the right of entry or settlement of surface damages.

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 25367 RED BULLET 22-27-34-11-7 3WXH

Category	Description
PENDING CD - 201900928	3/7/2019 - G56 - 27-11N-7W X662710 WDFD, OTHER 3 WELLS; 2 WDFD, 1 OTHER NO OP NAMED REC 3/4/2019 (THOMAS)
PENDING CD - 201900929	3/7/2019 - G56 - 34-11N-7W X660387 WDFD, OTHER 3 WELLS; 2 WDFD, 1 OTHER NO OP NAMED REC 3/4/2019 (THOMAS)
PENDING CD - 201900932	3/7/2019 - G56 - (E.O.) 22, 27 & 34-11N-7W ESTABLISH MULTIUNIT HORIZONTAL WELL X662710 WDFD 22 & 27-11N-7W X660387 WDFD 34-11N-7W 40% 22-11N-7W 40% 27-11N-7W 20% 34-11N-7W ROAN RESOURCES, LLC REC 3/4/2019 (THOMAS)
PENDING CD - 201900933	3/7/2019 - G56 - (E.O.) 22, 27 & 34-11N-7W X662710 WDFD 22 & 27-11N-7W X660387 WDFD 34-11N-7W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELL COMPL INT (22-11N-7W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL COMPL INT (27-11N-7W) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL COMPL INT (34-11N-7W) NCT 0' FNL, NCT 2640' FSL, NCT 330' FWL *** REC 3/4/2019 (THOMAS) ***LAST PERF WILL BE 2350' FSL PER SURVEY PLAT, WHICH IS STILL LEGAL PER SP # 660387; WILL BE CORRECTED AT FINAL HEARING LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR
SPACING - 660387	3/6/2019 - G56 - (640)(HOR) 34-11N-7W EST WDFD, OTHER POE TO BHL NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 662710	3/7/2019 - G56 - (640)(HOR) 22 & 27-11N-7W EST WDFD, OTHER POE TO BHL NCT 165' FNL/FSL, NCT 330' FEL/FWL



PERMIT PLAT OF
ROAN RESOURCES, LLC.
RED BULLET 22-27-34-11-7 3WQH
350' FNL 1290' FWL OF SECTION 22
MINCO FIELD
SECTION 22, TOWNSHIP 11 NORTH, RANGE 7 WEST I.M. &
SECTION 27, TOWNSHIP 11 NORTH, RANGE 7 WEST I.M.
LEASE LINES
SHL: 350' FNL & 1290' FWL
CANADIAN COUNTY, OKLAHOMA



NOTE:
1. COMBINED SCALE FACTOR: 0.999999264
2. UNION CITY, OKLAHOMA

SCALE 1" = 1200'
0 600' 1200' 2400'

LEGEND

- POINT
- SURFACE HOLE LOCATION
- PP FIRST TAKE POINT
- LTP LAST TAKE POINT
- BHL BOTTOM HOLE LOCATION
- OKLAHOMA CORPORATION COMMISSION

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400

CA#5957 EXPIRATION 6-30-2019

STAKED WELLS: 11/01/18
ADDED LATERAL: 11/15/18
REVISED LATERAL & LEASE BOUNDARY: 02/11/19

REV: 1 ARE NO. - JOB NO.: 18-0314
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

NOTE:
1. BEARINGS, DISTANCES & ACRES ARE OBTAINED BY NORMAL GPS TECHNIQUES.
2. ELEVATIONS ARE BASED ON NAD 83 COMPILED USGS 5000 V2S
3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.
4. LOCATION OF ASSUMING WELLS OUTSIDE LEASE BOUNDARY ARE APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
5. CORRELATION INFORMATION PROVIDED BY THE CLIENT.
6. THIS SURVEY COMPLETES 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 23, 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.
9. I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF THE GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

02/11/19 SHEET 1 OF 1