

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

API NUMBER: 017 25542

Approval Date: 10/11/2019

Expiration Date: 04/11/2021

Horizontal Hole  
Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION: SW SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 250 1230

Lease Name: OMAHA 21-16-11-7

Well No: 1WXH

Well will be 250 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

BILLY & CATHERINE EUBANKS LI TRUST  
4608 CYPERT ROAD  
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10475	6	
2	WOODFORD	10750	7	
3			8	
4			9	
5			10	

Spacing Orders: 653390

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904337

Special Orders:

**CANCEL PER OPERATOR REQUEST  
SC 06/12/2020**

Total Depth: 20413

Ground Elevation: 1347

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 370

Deep surface casing has been approved

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)

H. SEE MEMO

PERMIT NO: 19-36998

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

The duration of this permit is 18 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 16 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: NE SW NW NE

Feet From: NORTH 1/4 Section Line: 700

Feet From: EAST 1/4 Section Line: 2000

Depth of Deviation: 9847

Radius of Turn: 575

Direction: 355

Total Length: 9663

Measured Total Depth: 20413

True Vertical Depth: 10750

End Point Location from Lease,  
Unit, or Property Line: 700

Additional Surface Owner	Address	City, State, Zip
MARY ANN VOSS REV LIV TR	12100 N GREGORY ROAD	YUKON, OK 73099
TABOREK THOMAS J ETAL	11900 N GREGORY ROAD	YUKON, OK 73099
TABOREK, ALOIS E ETAL	11900 N GREGORY ROAD	YUKON, OK 73099

Notes:

Category

Description

DEEP SURFACE CASING

9/25/2019 - GC2 - 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

9/25/2019 - GC2 - 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: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.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

9/25/2019 - GC2 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201904326

10/11/2019 - GB1 - 16-11N-7W  
X653390 WDFD, OTHER  
5 WELLS; 3 OTHER, 2 WDFD  
NO OP. NAMED  
REC. 9/9/2019 (THOMAS)

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

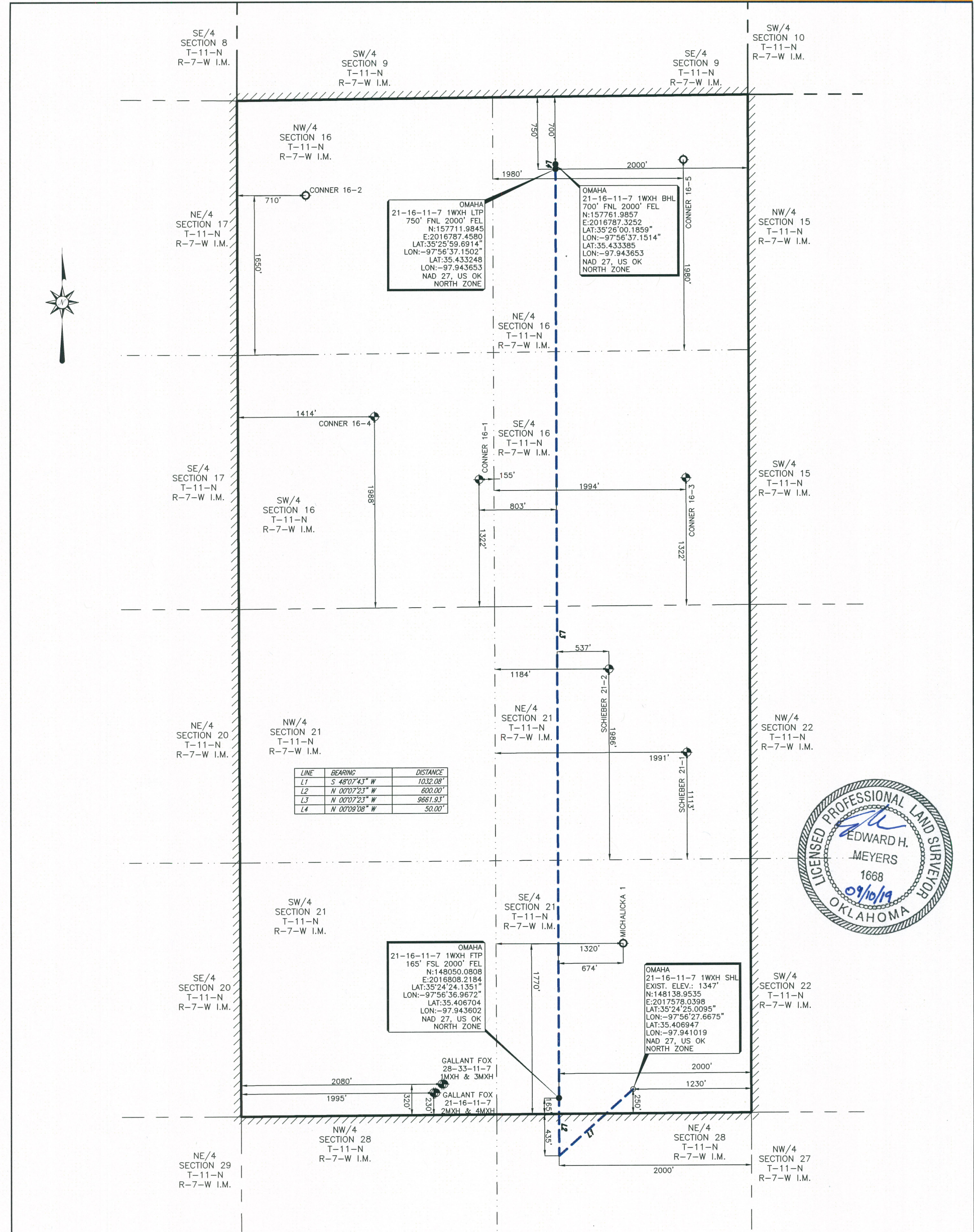
017 25542 OMAHA 21-16-11-7 1WXH

The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

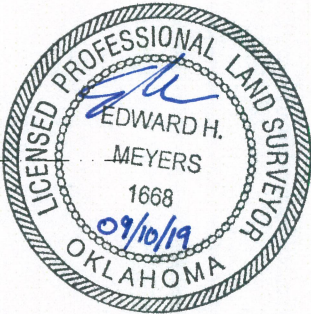
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PENDING CD - 201904327	10/11/2019 - GB1 - 21-11N-7W X653390 WDFD, OTHER 5 WELLS; 3 OTHER, 2 WDFD NO OP. NAMED REC. 9/9/2019 (THOMAS)
PENDING CD - 201904337	10/11/2019 - GB1 - (I.O.) 16 & 21-11N-7W EST MULTIUNIT HORIZONTAL WELL X653390 MSSP, WDFD 16 & 21-11N-7W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY WDFD) 53% 21-11N-7W 47% 16-11N-7W ROAN RESOURCES, LLC REC. 9/9/2019 (THOMAS)
PENDING CD - 201904338	10/11/2019 - GB1 - (I.O.) 16 & 21-11N-7W X653390 MSSP, WDFD 16 & 21-11N-7W COMPL. INT. (21-11N-7W) NCT 150' FSL, NCT 0' FNL, NCT 930' FEL COMPL. INT. (16-11N-7W) NCT 0' FSL, NCT 150' FNL, NCT 930' FEL ROAN RESOURCES, LLC REC. 9/9/2019 (THOMAS)
SPACING - 653390	10/11/2019 - GB1 - (640)(HOR) 16 & 21-11N-7W EST MSSP, WDFD COMPL. INT (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL





LINE	BEARING	DISTANCE
L1	S 48°07'43" W	1032.08'
L2	N 00°07'23" W	600.00'
L3	N 00°07'23" W	9661.93'
L4	N 00°09'08" W	50.00'

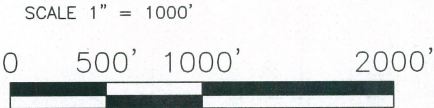


OMAHA  
21-16-11-7 1WXH FTP  
165' FSL 2000' FEL  
N:148050.0808  
E:2016808.2184  
LAT:35°24'24.1351"  
LON:-97°56'36.9672"  
LAT:35.406704  
LON:-97.943602  
NAD 27, US OK  
NORTH ZONE

OMAHA  
21-16-11-7 1WXH SHL  
EXIST. ELEV.: 1347'  
N:148138.9535  
E:2017578.0398  
LAT:35°24'25.0095"  
LON:-97°56'27.6675"  
LAT:35.406947  
LON:-97.941019  
NAD 27, US OK  
NORTH ZONE

GALLANT FOX  
28-33-11-7  
1MXH & 3MXH  
GALLANT FOX  
21-16-11-7  
2MXH & 4MXH

PERMIT PLAT OF  
ROAN RESOURCES, LLC.  
**OMAHA 21-16-11-7 1WXH**  
**250' FSL 1230' FEL OF SECTION 21**  
MINCO FIELD  
SECTION 21, TOWNSHIP 11 NORTH, RANGE 7 WEST I.M. &  
SECTION 16, TOWNSHIP 11 NORTH, RANGE 7 WEST I.M.  
**LEASE LINES**  
**SHL: 250' FSL & 1230' FEL**  
CANADIAN COUNTY, OKLAHOMA



NOTE:  
1. COMBINED SCALE FACTOR: 0.99998264  
2. SHL IS APPROXIMATELY 1.08 MILES N 12°51'21" W OF UNION CITY OKLAHOMA.

FILE: S:\OK\CANADIAN\PROJECTS\T11N-R07W\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 6-30-2021  
200 N LORAIN #220  
MIDLAND, TX 79701  
(432) 520-2400

ORIGINAL STAKE DATE: 08/20/19  
ADDED LATERAL DATE: 09/04/18

REV: - AFE NO.: - JOB NO.: 19-0124  
FIELD BOOK: SERVER VER: 1 DRAWN BY: FMC

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 SEPTEMBER 14, 2018.  
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.

09/09/19

SHEET 1 OF 1



## Steven Carlson

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**From:** Steven Carlson  
**Sent:** Saturday, June 13, 2020 3:51 PM  
**To:** Steven Carlson  
**Subject:** FW: LOVES 1H, 2H, 3H -21-16

**From:** Steven Carlson <[Steven.Carlson@occ.ok.gov](mailto:Steven.Carlson@occ.ok.gov)>  
**Sent:** Friday, June 12, 2020 6:52 AM  
**To:** Rebecca Bourland <[Rebecca@ce2ok.com](mailto:Rebecca@ce2ok.com)>  
**Subject:** RE: LOVES 1H, 2H, 3H -21-16

Good Morning Ms. Bourland,  
Thanks for the prompt response; no additional actions on your part are needed. I'll go ahead and cancel the Omaha 21-16-11-7 1WXH, 2MXH, 3WXH permits for you, and complete the review of the subject wells.  
I'll let you know if I see any additional issues; and notify you when they are approved.  
Thanks!

Respectfully,  
Steven Carlson

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**From:** Rebecca Bourland [<mailto:Rebecca@ce2ok.com>]  
**Sent:** Friday, June 12, 2020 6:15 AM  
**To:** Steven Carlson <[Steven.Carlson@occ.ok.gov](mailto:Steven.Carlson@occ.ok.gov)>  
**Subject:** [EXTERNAL] RE: LOVES 1H, 2H, 3H -21-16

Ok, thank you. We want to cancel the Omaha permits which were drawn up by Roan Resources, the company that Citizen bought. How do I do that? The Omaha wells are not permitted the way we want to drill them. Please let me know the procedure for cancelling the Omaha permits.

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**From:** Steven Carlson <[Steven.Carlson@occ.ok.gov](mailto:Steven.Carlson@occ.ok.gov)>  
**Sent:** Thursday, June 11, 2020 9:29 PM  
**To:** Rebecca Bourland <[Rebecca@ce2ok.com](mailto:Rebecca@ce2ok.com)>  
**Subject:** RE: LOVES 1H, 2H, 3H -21-16

Good Evening, Ms. Bourland,  
A possible issue has come up. The multiunit and location exception orders requested for use for the subject proposed wells are already being used for other active permits. The conflicting wells are:

Permit API	MU	LE	
01725542	201904337	201904338	conflict with Loves 1H
01725543	201904339	201904340	conflicts with Loves 2H
01725544	201904341	201904342	conflicts with Loves 3H

These API numbers are for permits for the Roan Resources LLC Omaha 21-16-11-7 1WXH, 2MXH, 3WXH respectively. None of these proposed wells have been spud but the permits are still valid/active, expiring 04/11/2021. These permits would have to be cancelled before the Loves well proposals could use the several MU and LE. Alternatively if you wish to maintain the Omaha permits as active, new MU and LE causes would have to be filed and heard for the Loves wells proposals. Additionally, an exception to 600ft rule would need to be filed since the proposed wellpaths would be closer than 600ft to each other.

Please don't hesitate to contact me with any questions. Let me know your thoughts on this issue.

Respectfully,

**Steven Carlson**  
**Oil & Gas Division**  
[Steven.Carlson@occ.ok.gov](mailto:Steven.Carlson@occ.ok.gov)  
**Office: (405) 521-2452**

Oklahoma Corporation Commission  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152

