

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

API NUMBER: 017 25543

Approval Date: 10/11/2019

Expiration Date: 04/11/2021

Horizontal Hole
Multi Unit

Oil & Gas

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 1210

Lease Name: OMAHA 21-16-11-7

Well No: 2MXH

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	10469	6	
2	WOODFORD	10710	7	
3			8	
4			9	
5			10	

Spacing Orders: 1903330

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904339
201904340

Special Orders:

CANCEL PER OPERATOR REQUEST
SC 06/12/2020

Total Depth: 20232

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: SW NW NE NE

Feet From: NORTH 1/4 Section Line: 600

Feet From: EAST 1/4 Section Line: 1200

Depth of Deviation: 9566

Radius of Turn: 575

Direction: 360

Total Length: 9763

Measured Total Depth: 20232

True Vertical Depth: 10710

End Point Location from Lease,
Unit, or Property Line: 600

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; 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

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

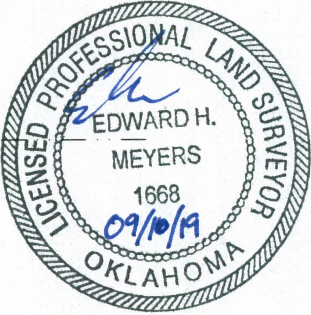
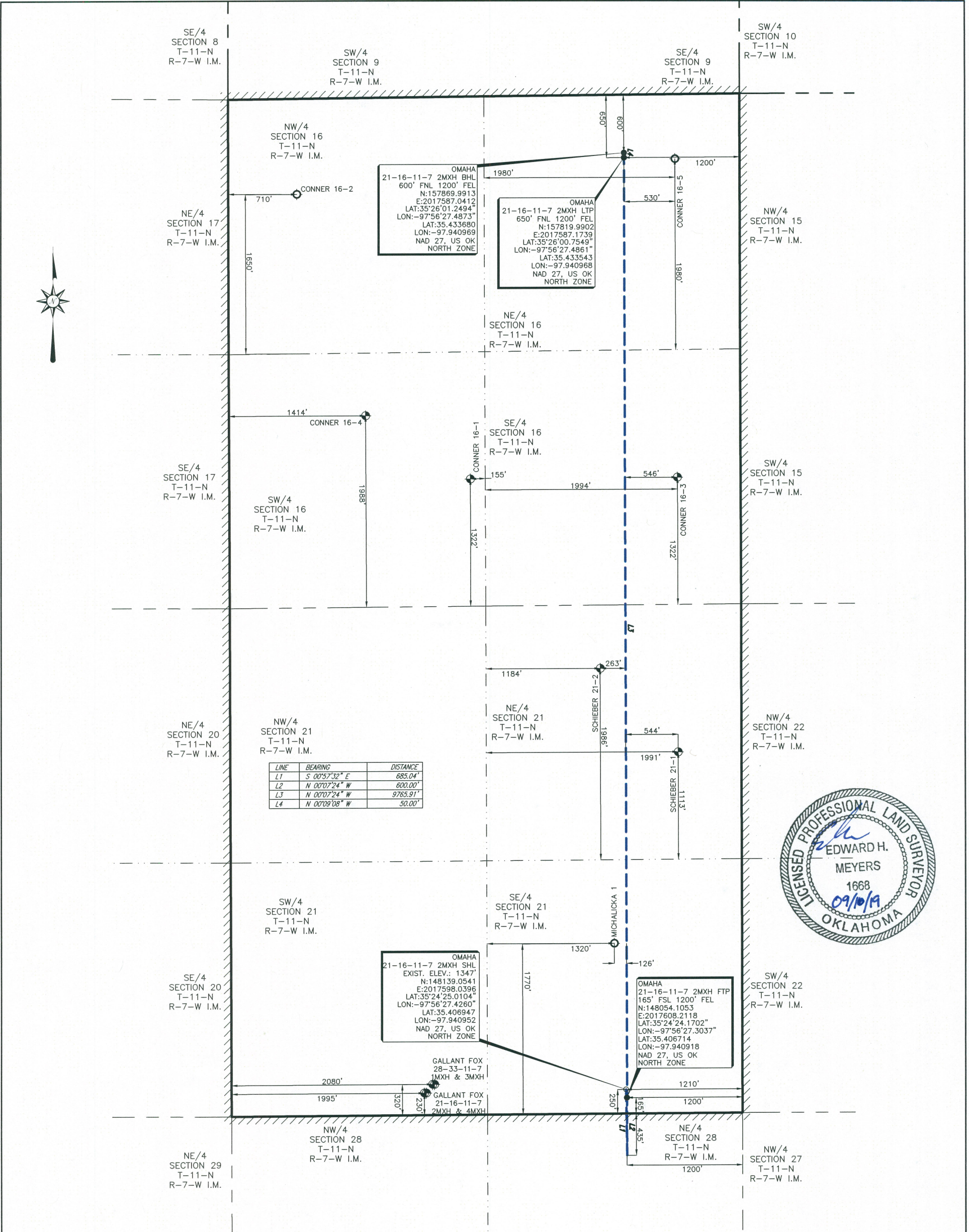
This permit does not address the right of entry or settlement of surface damages.

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.

017 25543 OMAHA 21-16-11-7 2MXH

PENDING CD - 201904339	10/11/2019 - GB1 - (I.O.) 16 & 21-11N-7W EST MULTIUNIT HORIZONTAL WELL X653390 MSSP, WDFD 16 & 21-11N-7W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 52% 21-11N-7W 48% 16-11N-7W ROAN RESOURCES, LLC REC. 9/9/2019 (THOMAS)
PENDING CD - 201904340	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 330' FEL COMPL. INT. (16-11N-7W) NCT 0' FSL, NCT 150' FNL, NCT 330' 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 00°57'32" E	685.04'
L2	N 00°07'24" W	600.00'
L3	N 00°07'24" W	9765.91'
L4	N 00°09'08" W	50.00'

OMAHA
21-16-11-7 2MXH SHL
EXIST. ELEV.: 1347'
N:148139.0541
E:2017598.0396
LAT:35°24'25.0104"
LON:-97°56'27.4260"
LAT:35.406947
LON:-97.940952
NAD 27, US OK
NORTH ZONE

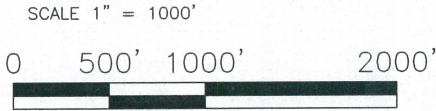
OMAHA
21-16-11-7 2MXH FTP
165' FSL 1200' FEL
N:148054.1053
E:2017608.2118
LAT:35°24'24.1702"
LON:-97°56'27.3037"
LAT:35.406714
LON:-97.940918
NAD 27, US OK
NORTH ZONE

GALLANT FOX
28-33-11-7
1MXH & 3MXH

GALLANT FOX
21-16-11-7
2MXH & 4MXH

- NOTE:
1. COMBINED SCALE FACTOR: 0.99998264
 2. SHL IS APPROXIMATELY 1.08 MILES N 12°39'33" W OF UNION CITY OKLAHOMA.

PERMIT PLAT OF
ROAN RESOURCES, LLC.
OMAHA 21-16-11-7 2MXH
250' FSL 1210' 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 & 1210' FEL
CANADIAN COUNTY, 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	POINT
EXISTING WELLHEAD	EXISTING WELLHEAD
PROPOSED WELL LOCATION SET	PROPOSED WELL LOCATION SET
SURFACE LOCATION OBTAINED FROM OCC	SURFACE LOCATION OBTAINED FROM OCC

AS-DRILLED LATERAL
SUBJECT PROPOSED LATERAL
PROPOSED LATERAL
LEASE LINE
SURVEY LINE

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

- 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 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 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.

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 6-30-2021
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400

REV: - AFE NO.: - JOB NO.: 19-0125
FIELD BOOK: SERVER VER: 1 DRAWN BY: FMC

PROFESSIONAL LAND SURVEYOR

09/09/19

SHEET 1 OF 1

Steven Carlson

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>
Sent: Friday, June 12, 2020 6:52 AM
To: Rebecca Bourland <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

From: Rebecca Bourland [<mailto:Rebecca@ce2ok.com>]
Sent: Friday, June 12, 2020 6:15 AM
To: Steven Carlson <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.

From: Steven Carlson <Steven.Carlson@occ.ok.gov>
Sent: Thursday, June 11, 2020 9:29 PM
To: Rebecca Bourland <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
Office: (405) 521-2452

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

