

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

API NUMBER: 017 25348

Approval Date: 01/07/2019

Expiration Date: 07/07/2020

Horizontal Hole  
Oil & Gas  
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 13N Rge: 6W County: CANADIAN  
SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 275 820

Lease Name: FUSAICHI PEGASUS 9-4-13-6 Well No: 2MXH Well will be 275 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

WALLACE, RUTH LOUISE LIFE ESTATE  
16829 W MEMORIAL RD  
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8196	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 687128  
687225  
687130

Location Exception Orders: 687226

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 18756

Ground Elevation: 1277

**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: 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.

B. Solidification of pit contents.

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

PERMIT NO: 18-35818

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 04 Twp 13N Rge 6W County CANADIAN

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 7555

Radius of Turn: 408

Direction: 359

Total Length: 10560

Measured Total Depth: 18756

True Vertical Depth: 8196

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

Notes:

Category

Description

DEEP SURFACE CASING

11/9/2018 - 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

11/9/2018 - 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)

LOCATION EXCEPTION - 687226

1/4/2019 - GB1 - (E.O.) 4 & 9-13N-6W  
X687128 MSSP 4-13N-6W  
X687130 MSSP 9-13N-6W  
X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELL  
COMPL. INT. (9-13N-6W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL  
COMPL. INT. (4-13N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL ROAN RESOURCES LLC  
11/27/2018

MEMO

11/9/2018 - G71 - 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.

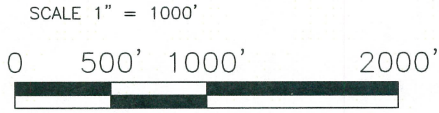
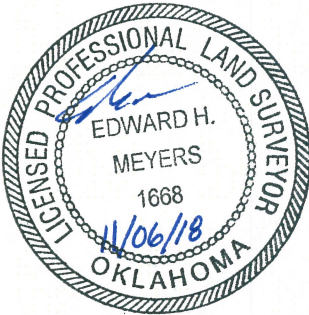
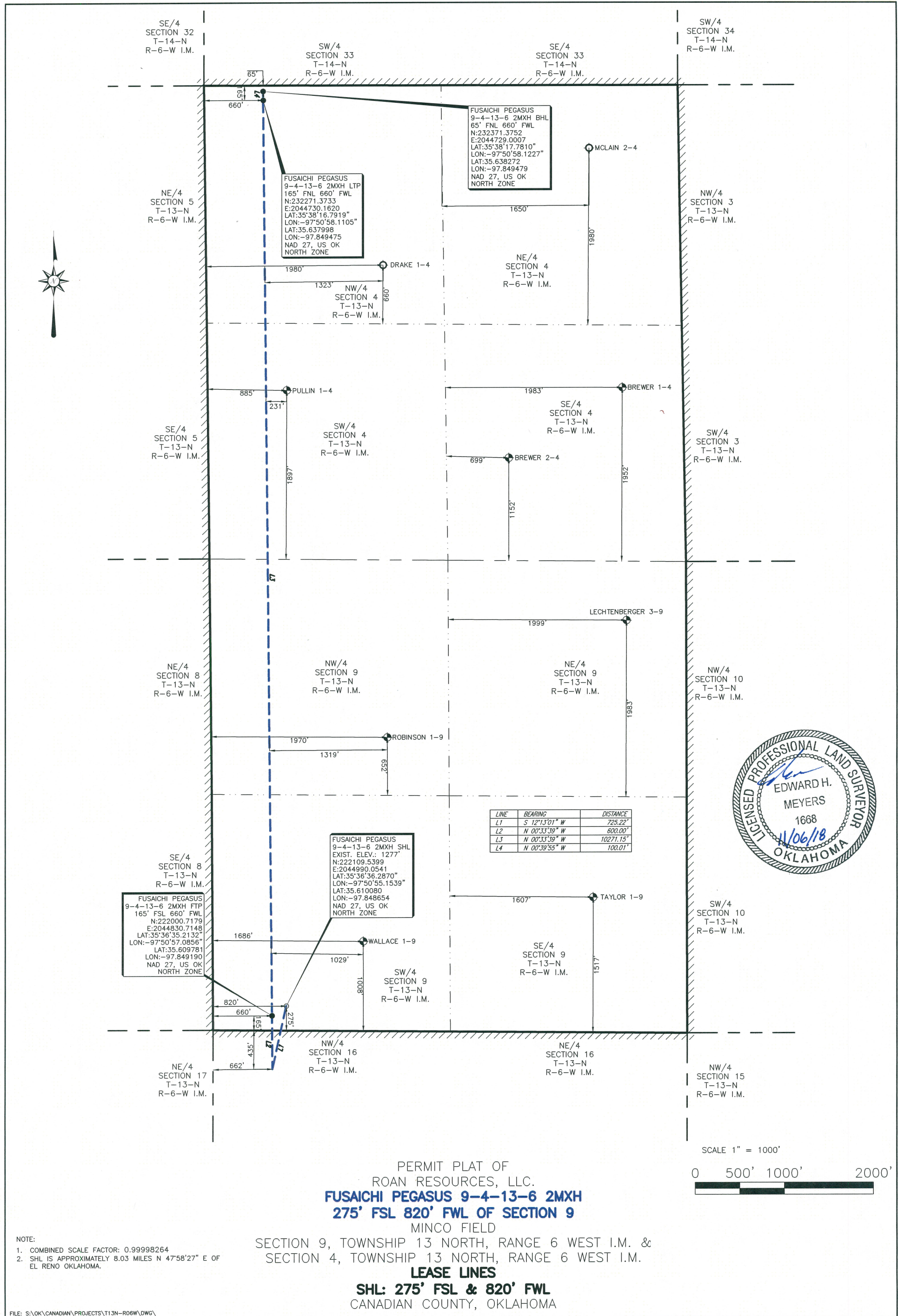
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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 25348 FUSAICHI PEGASUS 9-4-13-6  
2MXH

Category	Description
SPACING - 687128	1/4/2019 - GB1 - (640)(HOR) 4-13N-6W EXT 684666 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST WITH SP. ORDER # 112949 MISS)
SPACING - 687130	1/4/2019 - GB1 - (640)(HOR) 9-13N-6W EXT 684666 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST WITH SP. ORDER 112949 MISS)
SPACING - 687225	1/4/2019 - GB1 - (E.O.) 4 & 9-13N-6W EST MULTIUNIT HORIZONTAL WELL X687128 MSSP 4-13N-6W X687130 MSSP 9-13N-6W 50% 4-13N-6W 50% 9-13N-6W ROAN RESOURCES LLC 11/27/2018

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.



PERMIT PLAT OF  
ROAN RESOURCES, LLC.  
**FUSAICHI PEGASUS 9-4-13-6 2MXH**  
**275' FSL 820' FWL OF SECTION 9**  
MINCO FIELD  
SECTION 9, TOWNSHIP 13 NORTH, RANGE 6 WEST I.M. &  
SECTION 4, TOWNSHIP 13 NORTH, RANGE 6 WEST I.M.  
**LEASE LINES**  
**SHL: 275' FSL & 820' FWL**  
CANADIAN COUNTY, OKLAHOMA

NOTE:  
1. COMBINED SCALE FACTOR: 0.99998264  
2. SHL IS APPROXIMATELY 8.03 MILES N 47°58'27" E OF EL RENO OKLAHOMA.

FILE: S:\OK\CANADIAN\PROJECTS\T13N-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

STAKED WELLS: 11/02/18  
ADDED LATERAL DATE: 11/05/18

REV: - AFE NO: - JOB NO: 18-0316  
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

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 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.

11/05/18

PROFESSIONAL LAND SURVEYOR

**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