

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

API NUMBER: 051 24480

Approval Date: 09/18/2018

Expiration Date: 03/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 9N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 160 420

Lease Name: NITA FAY 31-30-9-6

Well No: 2MXH

Well will be 160 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

NITA MAYE VOIGHT (CAMPBELL)
1401 STATE HWY 92
TUTTLE OK 73089

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	12005	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804894
201804895
201804898
201804899

Special Orders:

Total Depth: 22579

Ground Elevation: 1267

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: 18-35319

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 30 Twp 9N Rge 6W County GRADY

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 900

Depth of Deviation: 11343

Radius of Turn: 573

Direction: 358

Total Length: 10336

Measured Total Depth: 22579

True Vertical Depth: 12019

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

Notes:

Category

Description

DEEP SURFACE CASING

9/5/2018 - 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

9/5/2018 - 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; 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

9/5/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201804894

9/18/2018 - G57 - (640)(HOR) 30-9N-6W
VAC OTHER
VAC 160440 MSSLM
EXT 672547 MSSP, OTHER
POE TO BHL NLT 660' FB
REC 8-28-2018 (JACKSON)

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.

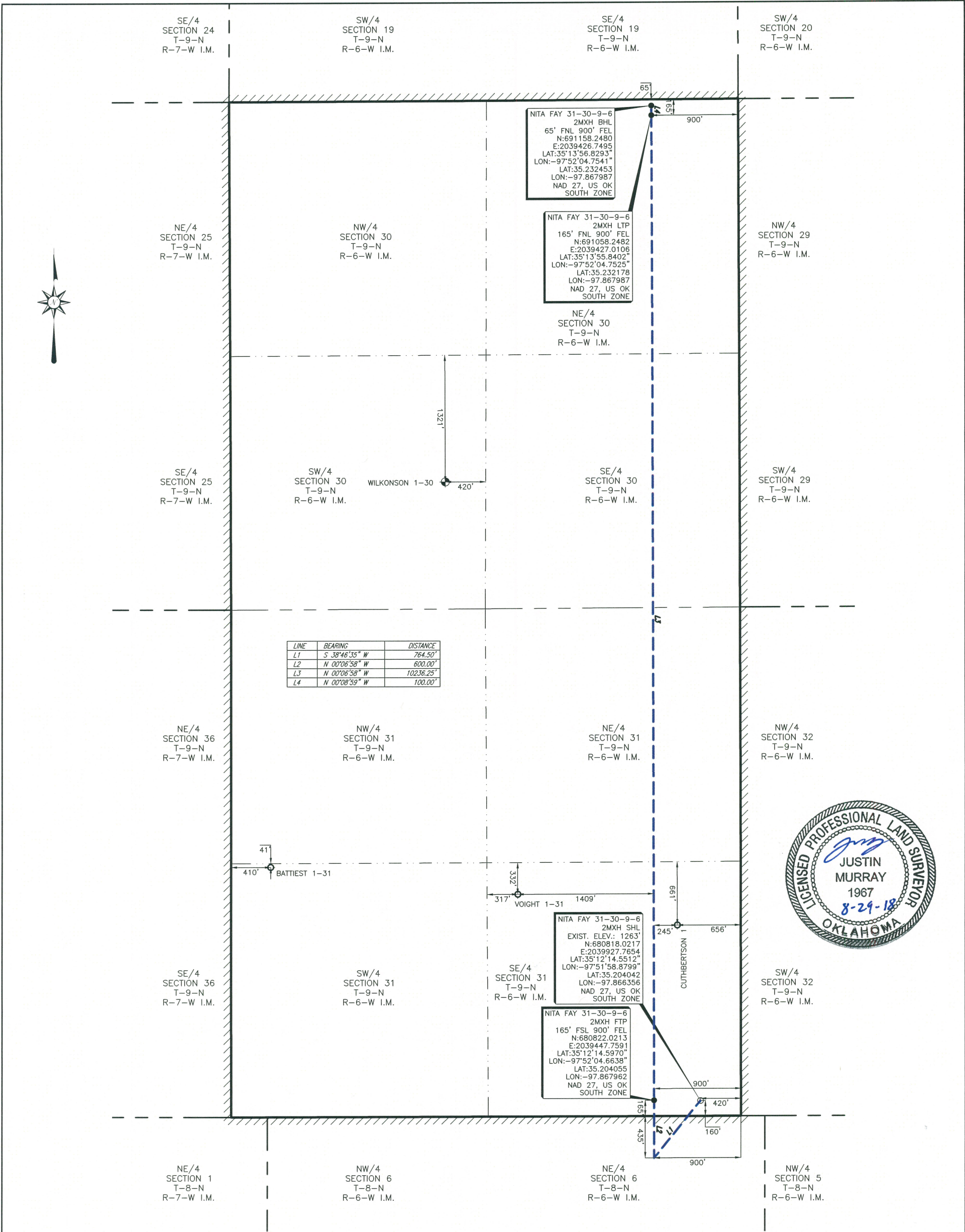
051 24480 NITA FAY 31-30-9-6 2MXH

Category	Description
PENDING CD - 201804895	9/18/2018 - G57 - (640)(HOR) 31-9N-6W VAC OTHER VAC 160440 MSSLM EXT 672547 MSSP, OTHERS POE TO BHL NLT 660' FB REC 8-28-2018 (JACKSON)
PENDING CD - 201804898	9/18/2018 - G57 - (I.O.) 31 & 30-9N-6W EST MULTIUNIT HORIZONTAL WELL X201804895 MSSP 31-9N-6W X201804894 MSSP 30-9N-6W 50% 31-9N-6W 50% 30-9N-6W ROAN RESOURCES, LLC. REC 8-28-2018 (JACKSON)
PENDING CD - 201804899	9/18/2018 - G57 - (I.O.) 31 & 30-9N-6W X201804895 MSSP 31-9N-6W X201804894 MSSP 30-9N-6W COMPL. INT. (31-9N-6W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (30-9N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC 8-28-2018 (JACKSON)

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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.



LINE	BEARING	DISTANCE
L1	S 38°46'35" W	764.50'
L2	N 00°06'58" W	600.00'
L3	N 00°06'58" W	10236.25'
L4	N 00°06'59" W	100.00'



PERMIT PLAT OF
ROAN RESOURCES, LLC
NITA FAY 31-30-9-6 2MXH
160' FSL 420' FEL OF SECTION 31
MINCO FIELD
SECTION 31, TOWNSHIP 9 NORTH, RANGE 6 WEST I.M. &
SECTION 30, TOWNSHIP 9 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 160' FSL 420' FEL
GRADY COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 3.11 MILES N 13°11'32" E
OF AMBER OKLAHOMA.

FILE: S:\OK\GRADY\PROJECTS\T09N-R06W\DWG\

LEGEND	POINT
SHL SURFACE HOLE LOCATION	●
PP PENETRATION POINT	⊙
FTP FIRST TAKE POINT	○
LTP LAST TAKE POINT	○
BHL BOTTOM HOLE LOCATION	○
OCC OKLAHOMA CORPORATION COMMISSION	○

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

ORIGINAL STAKE DATE: 04/30/18
ADDED LATERAL: 05/16/18
CHANGED WELL NAME & REVISED LATERAL: 08/29/18

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.

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

REV: 1 AFE NO.: — JOB NO.: 18-0130
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

PROFESSIONAL LAND SURVEYOR

08/29/18

SHEET 1 OF 1