

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

API NUMBER: 051 24533

Approval Date: 12/14/2018

Expiration Date: 06/14/2020

Horizontal Hole
Multi Unit
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: 160 460

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

Well No: 4MXH

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	11912	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 684321
684322

Location Exception Orders:

Increased Density Orders: 687831
687832

Pending CD Numbers: 201808461
201808462

Special Orders:

Total Depth: 22432 Ground Elevation: 1263

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.

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

H. SEE MEMO

PERMIT NO: 18-35782

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: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 1900

Depth of Deviation: 11198

Radius of Turn: 573

Direction: 345

Total Length: 10334

Measured Total Depth: 22432

True Vertical Depth: 11912

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

Notes:

Category

Description

DEEP SURFACE CASING

11/2/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

11/2/2018 - 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

INCREASED DENSITY - 687831

12/14/2018 - G75 - 31-9N-6W
X684322 MSSP
1 WELL
ROAN RESOURCES LLC
12-6-2018

INCREASED DENSITY - 687832

12/14/2018 - G75 - 30-9N-6W
X684321 MSSP
1 WELL
ROAN RESOURCES LLC
12-6-2018

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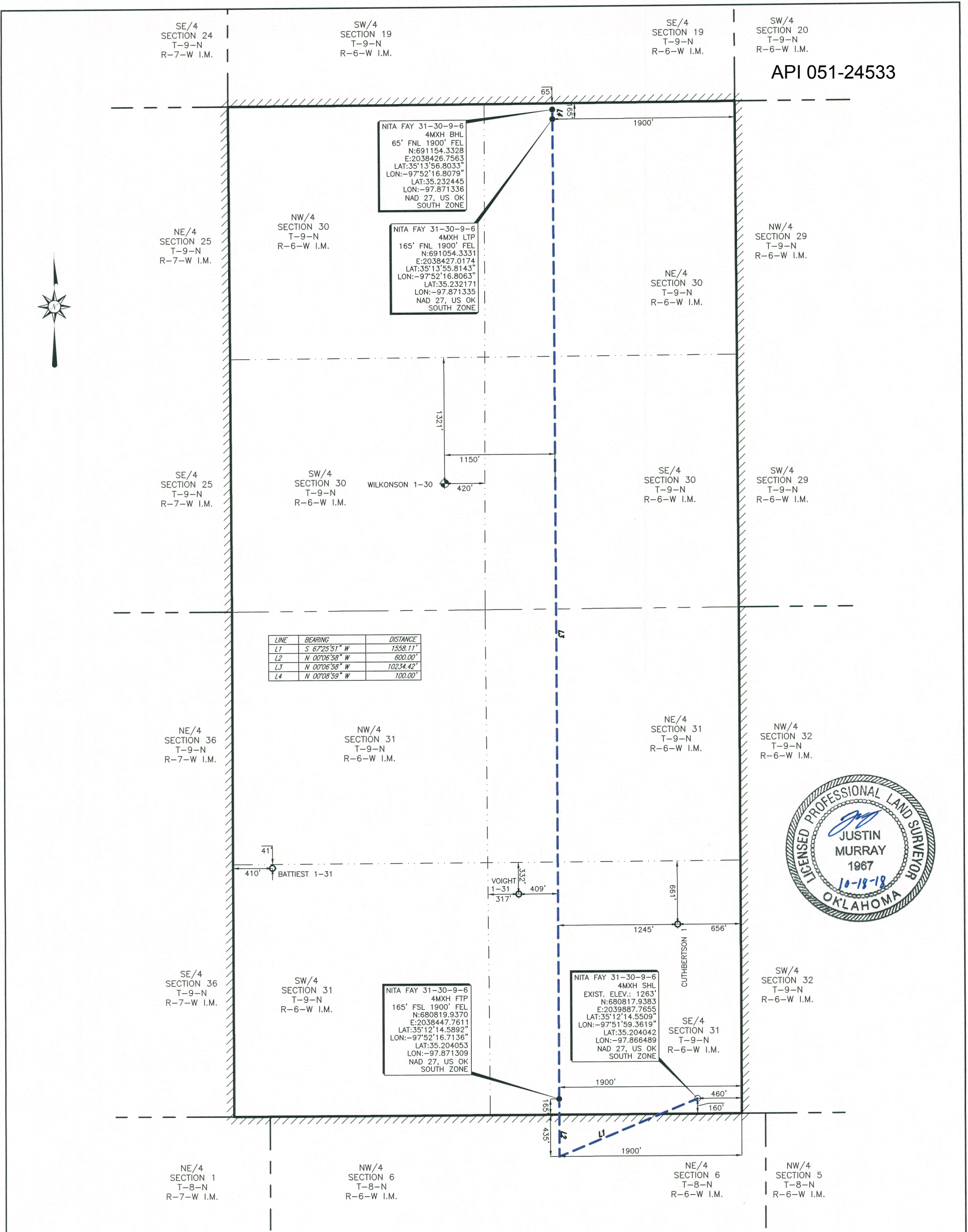
051 24533 NITA FAY 31-30-9-6 4MXH

Category	Description
MEMO	11/2/2018 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201808461	12/14/2018 - G75 - (I.O.) 31 & 30-9N-6W EST MULTIUNIT HORIZONTAL WELL X684322 MSSP, OTHER 31-9N-6W X684321 MSSP, OTHER 30-9N-6W 50% 31-9N-6W 50% 30-9N-6W NO OP. NAMED REC 11-6-2018 (P. PORTER)
PENDING CD - 201808462	12/14/2018 - G75 - (I.O.) 31 & 30-9N-6W X684322 MSSP, OTHER 31-9N-6W X684321 MSSP, OTHER 30-9N-6W X165:10-3-28 (C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (31-9N-6W) NCT 150' FSL, NCT 0' FNL, NCT 1900' FEL COMPL. INT. (30-9N-6W) NCT 0' FSL, NCT 150' FNL, NCT 1900' FEL NO OP. NAMED REC 11-6-2018 (P. PORTER)
SPACING - 684321	12/14/2018 - G75 - (640)(HOR) 30-9N-6W VAC OTHER VAC 160440 MSSLM EXT 672547 MSSP, OTHERS POE TO BHL NCT 660' FB
SPACING - 684322	12/14/2018 - G75 - (640)(HOR) 31-9N-6W VAC OTHER VAC 160440 MSSLM EXT 672547 MSSP, OTHERS POE TO BHL NCT 660' FB

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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.



PERMIT PLAT OF
ROAN RESOURCES, LLC
NITA FAY 31-30-9-6 4MXH
160' FSL 460' 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 460' FEL
GRADY COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 3.11 MILES N 13°03'23" E OF AMBER OKLAHOMA.

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

ORIGINAL STAKE DATE: 09/14/18
ADDED LATERAL: 10/18/18

REV: - AFE NO.: - JOB NO.: 18-0299
FIELD BOOK: SERVER VER: 1 DRAWN BY: LLF

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.
9. 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.

10/18/18

PROFESSIONAL LAND SURVEYOR

SHEET 1 OF 1

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. LORAIN, SUITE 220
MIDLAND, TEXAS 79701
OFF: (432) 520-2400
FAX: (432) 520-2404

TX L.S. FIRST F10112-00

CA#5957 EXPIRATION 6-30-2019
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400