

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

API NUMBER: 051 24468

Approval Date: 09/10/2018

Expiration Date: 03/10/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 9N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1250 2200

Lease Name: OSBORN 2-35-9-6

Well No: 6WXH

Well will be 1250 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

LEON OSBORN  
508 E ROCK CREEK ROAD  
TUTTLE OK 73089

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

Name	Depth	Name	Depth
1 WOODFORD	10500	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 255248  
653399

Location Exception Orders:

Increased Density Orders: 680250  
680251

Pending CD Numbers: 201806092  
201806093

Special Orders:

Total Depth: 21028

Ground Elevation: 1302

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 360

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: 18-35243

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 35 Twp 10N Rge 6W County GRADY

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 2600

Depth of Deviation: 9771

Radius of Turn: 575

Direction: 2

Total Length: 10354

Measured Total Depth: 21028

True Vertical Depth: 10500

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

8/22/2018 - 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

8/22/2018 - 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)

INCREASED DENSITY - 680250

9/10/2018 - G58 - 2-9N-6W  
X255248 WDFD  
5 WELLS  
ROAN RESOURCES LLC  
7/16/2018

INCREASED DENSITY - 680251

9/10/2018 - G58 - 35-10N-6W  
X653399 WDFD  
5 WELLS  
ROAN RESOURCES LLC  
7/16/2018

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

051 24468 OSBORN 2-35-9-6 6WXH

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.

Category	Description
MEMO	8/22/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201806092	9/10/2018 - G58 - (I.O.) 2-9N-6W & 35-10N-6W EST MULTIUNIT HORIZONTAL WELL X255248 WDFD 2-9N-6W X653399 WDFD 35-10N-6W 50% 2-9N-6W 50% 35-10N-6W NO OP. NAMED REC 8/20/2018 (P. PORTER)
PENDING CD - 201806093	9/10/2018 - G58 - (I.O.) 2-9N-6W & 35-10N-6W X255248 WDFD 2-9N-6W X653399 WDFD 35-10N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. 2-9N-6W NCT 150' FSL, NCT 0' FNL, NCT 1980' FWL COMPL. INT. 35-10N-6W NCT 0' FSL, NCT 150' FNL, NCT 1980' FWL NO OP. NAMED REC 8/20/2018 (P. PORTER)
SPACING - 255248	9/10/2018 - G58 - (640) 2-9N-6W EXT OTHER EXT 242927 WDFD
SPACING - 653399	9/10/2018 - G58 - (640)(HOR) 35-10N-6W EST WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

SW/4  
SECTION 25  
T-10-N  
R-6-W I.M.

WIGLEY 1-35

OSBORN  
2-35-9-6 6WXH LTP  
165' FNL 2600' FWL  
N:717533.7944  
E:2058704.2865  
LAT:35°18'17.3851"  
LON:-97°48'11.7655"  
LAT:35.304829  
LON:-97.803268  
NAD 27, US OK  
SOUTH ZONE

NW/4  
SECTION 36  
T-10-N  
R-6-W I.M.

STONE 1-3

SW/4  
SECTION 36  
T-10-N  
R-6-W I.M.

NE/4  
SECTION 2  
T-9-N  
R-6-W I.M.

NW/4  
SECTION 1  
T-9-N  
R-6-W I.M.

LINE	BEARING	DISTANCE
L1	N 15°37'43" E	1470.75'
L2	N 00°08'55" W	10254.77'
L3	N 00°02'37" W	100.00'



SE/4  
SECTION 2  
T-9-N  
R-6-W I.M.

SW/4  
SECTION 1  
T-9-N  
R-6-W I.M.

OSBORN  
2-35-9-6 6WXH SHL  
EXIST. ELEV: 1302'  
N:705862.6926  
E:2058334.6473  
LAT:35°16'21.9606"  
LON:-97°48'16.4976"  
LAT:35.272767  
LON:-97.804583  
NAD 27, US OK  
SOUTH ZONE

NE/4  
SECTION 11  
T-9-N  
R-6-W I.M.

NW/4  
SECTION 12  
T-9-N  
R-6-W I.M.

SCALE 1" = 1000'

0 500' 1000' 2000'

SECTION 2, TOWNSHIP 9 NORTH, RANGE 6 WEST I.M. &  
SECTION 35, TOWNSHIP 10 NORTH, RANGE 6 WEST I.M.

**LEASE LINES**  
**SHL: 1250' FSL 2200' FWL**  
GRADY COUNTY, OKLAHOMA

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

ORIGINAL STAKE DATE: 07/13/18  
ADDED LATERAL: 07/17/18

**NOTE:**

1. BEARINGS, DISTANCES & ACRES ARE GRID, NAD 27 US OK SOUTH ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.  
2. ELEVATIONS ARE BASED ON NAVD 88 COMPILED USING GED 128.  
3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND IS NOT A BOUNDARY SURVEY.  
4. LOCATIONS ADJOINING THIS SURVEY'S OUTSIDE 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. 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 &amp; 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: -	AFE NO.: -	JOB NO.: 18-0193	
FIELD BOOK: SERVER		VER: 1	DRAWN BY: LLF

07/17/18

SHEET 1 OF 1