

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

API NUMBER: 017 25388

Approval Date: 02/15/2019

Expiration Date: 08/15/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 12N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 310 700

Lease Name: JUSTIFY 26-23-12-6

Well No: 1WXH

Well will be 310 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

ELBERT VANCE WINNINGHAM III
30773 N. 2976 RD.
CASHION OK 73016

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

Name	Depth	Name	Depth
1 WOODFORD	8790	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671192
671073

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810331
201810332
201810330

Special Orders:

Total Depth: 19350

Ground Elevation: 1309

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 830

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 18-35893

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 23 Twp 12N Rge 6W County CANADIAN

Spot Location of End Point: NE NE NE NE

Feet From: NORTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 300

Depth of Deviation: 8147

Radius of Turn: 573

Direction: 5

Total Length: 10303

Measured Total Depth: 19350

True Vertical Depth: 8790

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

Notes:

Category

Description

DEEP SURFACE CASING

12/21/2018 - 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

12/21/2018 - 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

12/21/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201810330

2/7/2019 - G75 - 26-12N-6W
X671073 WDFD, OTHER
5 WELLS
NO OP. NAMED
REC 1-8-2019 (P. PORTER)

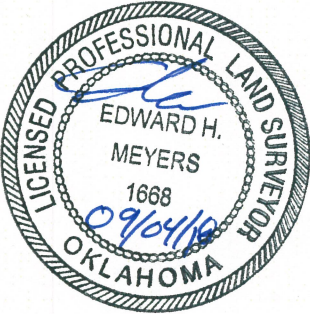
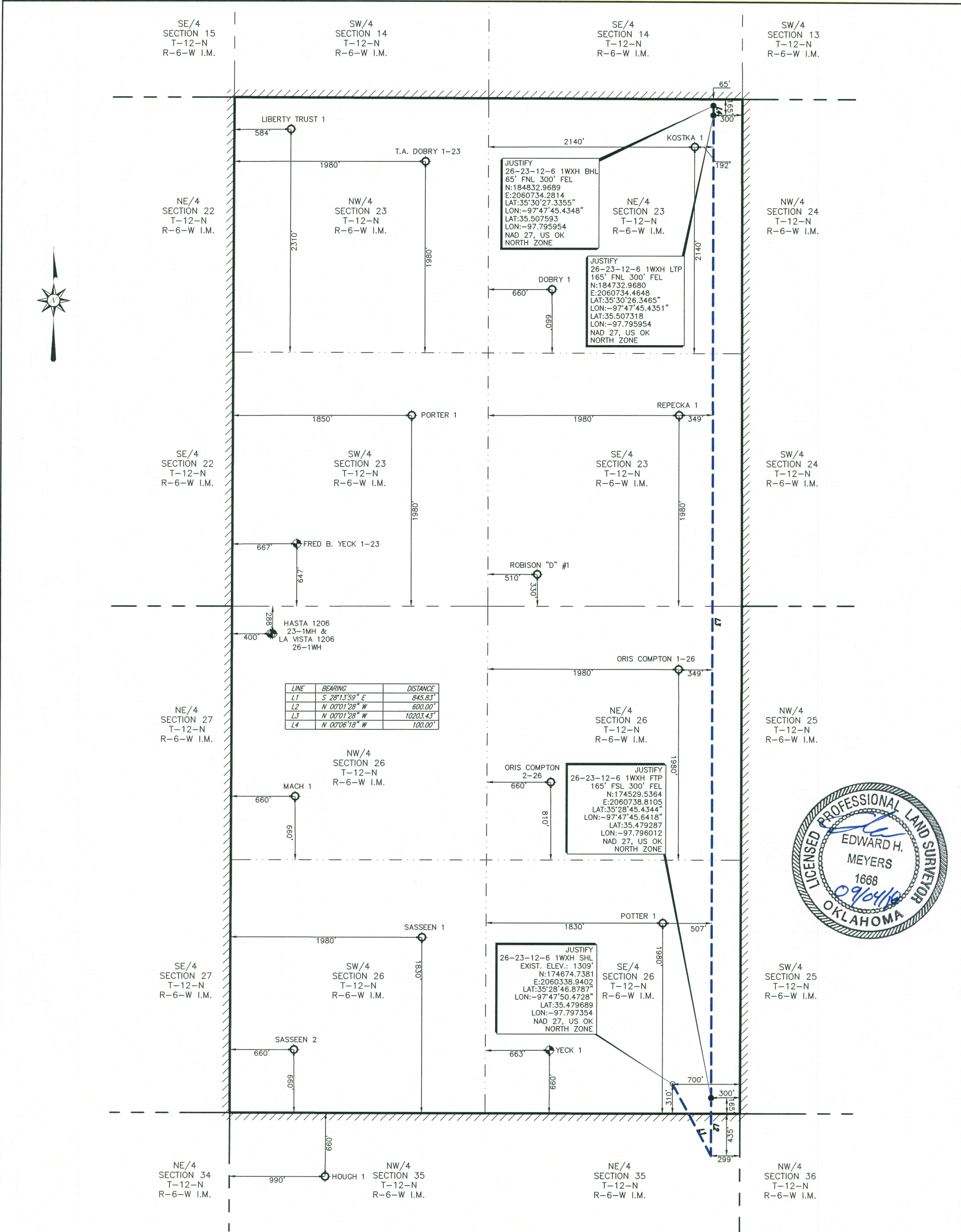
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017 25388 JUSTIFY 26-23-12-6 1WXH

Category	Description
PENDING CD - 201810331	2/7/2019 - G75 - (I.O.) 26 & 23-12N-6W EST MULTIUNIT HORIZONTAL WELL X671073 WDFD 26-12N-6W X671192 WDFD 23-12N-6W 50% 26-12N-6W 50% 23-12N-6W NO OP. NAMED REC 1-8-2019 (P. PORTER)
PENDING CD - 201810332	2/7/2019 - G75 - (I.O.) 26 & 23-12N-6W X671073 WDFD 26-12N-6W X671192 WDFD 23-12N-6W COMPL. INT. (26-12N-6W) NCT 150' FSL, NCT 0' FNL, NCT 250' FEL COMPL. INT. (23-12N-6W) NCT 0' FSL, NCT 150' FNL, NCT 250' FEL NO OP. NAMED REC 1-8-2019 (P. PORTER)
SPACING - 671073	2/7/2019 - G75 - (640)(HOR) 26-12N-6W EXT 635714 WDFD, OTHERS COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 671192	2/7/2019 - G75 - (640)(HOR) 23-12N-6W EXT 635714 WDFD, OTHERS COMPL. INT. NCT 165' FNL & FSL, NCT 330' FEL & FWL



PERMIT PLAT OF
LINN OPERATING, INC
JUSTIFY 26-23-12-6 1WXH
310' FSL 700' FEL OF SECTION 26
MINCO FIELD
SECTION 26, TOWNSHIP 12 NORTH, RANGE 6 WEST I.M. &
SECTION 23, TOWNSHIP 12 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 310' FSL & 700' FEL
CANADIAN COUNTY, OKLAHOMA

NOTE:
1. COMBINED SCALE FACTOR: 0.99998264
2. SHL IS APPROXIMATELY 7.34 MILES N 34°19'58" W OF MUSTANG OKLAHOMA.

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: 08/23/18
ADDED LATERAL DATE: 09/04/18

REV: - AFE NO.: - JOB NO.: 18-0236
FIELD BOOK: SERVER VER: 1 DRAWN BY: EHM

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 NAD83 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.

09/04/18

SHEET 1 OF 1

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. Loraine, 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

EX-15 FIRM #101175-00