

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

API NUMBER: 051 24277

Approval Date: 02/12/2018

Expiration Date: 08/12/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 8N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 260 600

Lease Name: EIGHT BELLES 36-25-9-6

Well No: 1XH

Well will be 260 feet from nearest unit or lease boundary.

Operator Name: LINN OPERATING LLC

Telephone: 2818404010; 4052412

OTC/OCC Number: 22182 0

LINN OPERATING LLC
600 TRAVIS STE 1400
HOUSTON, TX 77002

DONNA JEAN COATS
2078 EAST SOONER ROAD
TUTTLE OK 73089

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

Name	Depth	Name	Depth
1 WOODFORD	11100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 545991
471793

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800947
201800946
201800945
201800943

Special Orders:

Total Depth: 21526

Ground Elevation: 1325

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

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: CHICKASHA

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: 18-33917

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 25 Twp 9N Rge 6W County GRADY

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 10447

Radius of Turn: 477

Direction: 5

Total Length: 10330

Measured Total Depth: 21526

True Vertical Depth: 11200

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

Notes:

Category

Description

DEEP SURFACE CASING

2/9/2018 - 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

2/9/2018 - 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; 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

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

PENDING CD - 201800943

2/9/2018 - G58 - (I.O.) 36-9N-6W
X545991 WDFD
2 WELLS
NO OP. NAMED
HEARING 2/26/2018

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

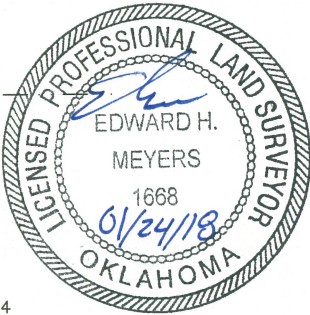
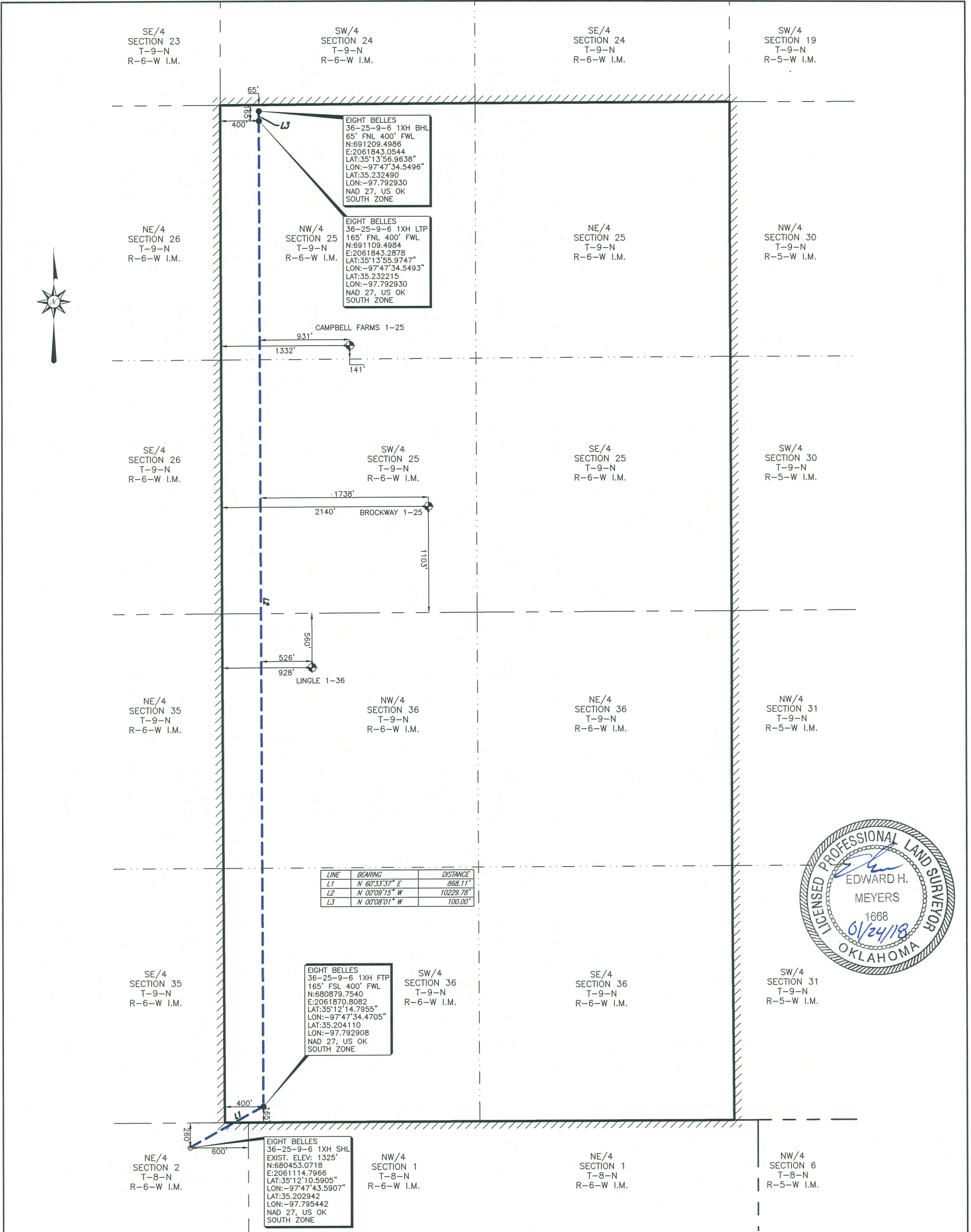
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

051 24277 EIGHT BELLES 36-25-9-6 1XH

Category	Description
PENDING CD - 201800945	2/9/2018 - G58 - (I.O.) 25-9N-6W X471793 WDFD 2 WELLS NO OP. NAMED HEARING 2/26/2018
PENDING CD - 201800946	2/9/2018 - G58 - (E.O.) 36 & 25-9N-6W EST MULTIUNIT HORIZONTAL WELL X545991 WDFD (36-9N-6W) X471793 WDFD (25-9N-6W) 50% 36-9N-6W 50% 25-9N-6W NO OP. NAMED REC 2/9/2018 (P. PORTER)
PENDING CD - 201800947	2/9/2018 - G58 - (E.O.) 36 & 25-9N-6W X545991 WDFD (36-9N-6W) X471793 WDFD (25-9N-6W) X165:10-3-28(C)(2)(B) MAYBE CLOSER THAN 600' TO EXISTING OR PROPOSED WELL COMPL. INT. (36-9N-6W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (25-9N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 2/9/2018 (P. PORTER)
SPACING - 471793	2/9/2018 - G58 - (640) 25-9N-6W EXT 466739 WDFD, OTHERS
SPACING - 545991	2/9/2018 - G58 - (640) 36-9N-6W EXT 459029 WDFD, OTHERS

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.



NOTE:

1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 6.13 MILES S 08°53'56" E OF TUTTLE OKLAHOMA.

PERMIT PLAT OF
LINN OPERATING, INC
EIGHT BELLES 36-25-9-6 1XH
260' FNL 600' FEL OF SECTION 2
MINCO FIELD
SECTION 2, TOWNSHIP 8 NORTH, RANGE 6 WEST I.M. &
SECTIONS 36 & 25 TOWNSHIP 9 NORTH, RANGE 6 WEST I.M.
LEASE LINES
SHL: 260' FSL & 357' FWL
GRADY COUNTY, OKLAHOMA

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

LEGEND

- POINT
- EXISTING WELLHEAD
- PROPOSED WELL LOCATION SET
- SURFACE LOCATION OBTAINED FROM OCC
- OKLAHOMA CORPORATION COMMISSION
- AS-DRILLED LATERAL
- SUBJECT PROPOSED LATERAL
- PROPOSED LATERAL
- LEASE LINE
- SURVEY LINE

ORIGINAL STAKE DATE: 12/27/17
RE-STAKED WELL DATE: 1/05/18
RE-STAKED WELL DATE: 1/22/18
ADDED LATERAL DATE: 1/23/18

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.
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.

1/23/18

SHEET 1 OF 1

John F. Watson & Company
LAND & DEVELOPMENT SERVICES
PROFESSIONAL LAND SURVEYORS
200 N. Lorraine, Ste. 220
Midland, Texas 79701
jwatson@windcartwater.com

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

REV: - AFE NO.: - JOB NO.: 17-0240
FIELD BOOK: SERVER VER: 1 DRAWN BY: EHM

PROFESSIONAL LAND SURVEYOR