

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

API NUMBER: 017 24948

Approval Date: 11/21/2016
Expiration Date: 05/21/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 10N Rge: 6W

County: CANADIAN

SPOT LOCATION: NW SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 560 600

Lease Name: DORIS 12-13-10-6

Well No: 1XH

Well will be 560 feet from nearest unit or lease boundary.

Operator Name: LINN OPERATING INC

Telephone: 4052412237; 4052412

OTC/OCC Number: 22182 0

LINN OPERATING INC
14701 HERTZ QUAIL SPRINGS PKWY
OKLAHOMA CITY, OK 73134-2641

STANLEY E. REIMERS AND DEBRA RA REIMERS
5627 NW 37TH ST
OKLAHOMA CITY OK 730122

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

Name	Depth	Name	Depth
1 WOODFORD	10100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 653152

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603932
201603933
201601535

Special Orders:

Total Depth: 19228

Ground Elevation: 1259

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

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 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: 16-31794

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 13 Twp 10N Rge 6W County GRADY
Spot Location of End Point: SW SE SE SE
Feet From: SOUTH 1/4 Section Line: 65
Feet From: EAST 1/4 Section Line: 500
Depth of Deviation: 9580
Radius of Turn: 158
Direction: 179
Total Length: 9400
Measured Total Depth: 19228
True Vertical Depth: 10100
End Point Location from Lease,
Unit, or Property Line: 65

Table with 3 columns: Additional Surface Owner, Address, City, State, Zip. Rows include Stanley E. Reimers and Debra, and Marvin D Reimers, TTEE of Mar.

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201601535.

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Category	Description
PENDING CD - 201603932	11/8/2016 - G64 - (E.O.) 12 & 13-10N-6W EST MULTIUNIT HORIZONTAL WELL X201601535 WDFD, OTHER X653152 WDFD, OTHER 50% 12-10N-6W 50% 13-10N-6W NO OP. NAMED REC. 11-18-2016 (P. PORTER)
PENDING CD - 201603933	11/8/2016 - G64 - (E.O.) 12 & 13-10N-6W X201601535 WDFD, OTHER X653152 WDFD, OTHER COMPL. INT. (12-10N-6W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (13-10N-6W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC. 11-18-2016 (P. PORTER)
SPACING - 653152	11/8/2016 - G64 - (640)(HOR) 13-10N-6W EXT 643197 WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

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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.

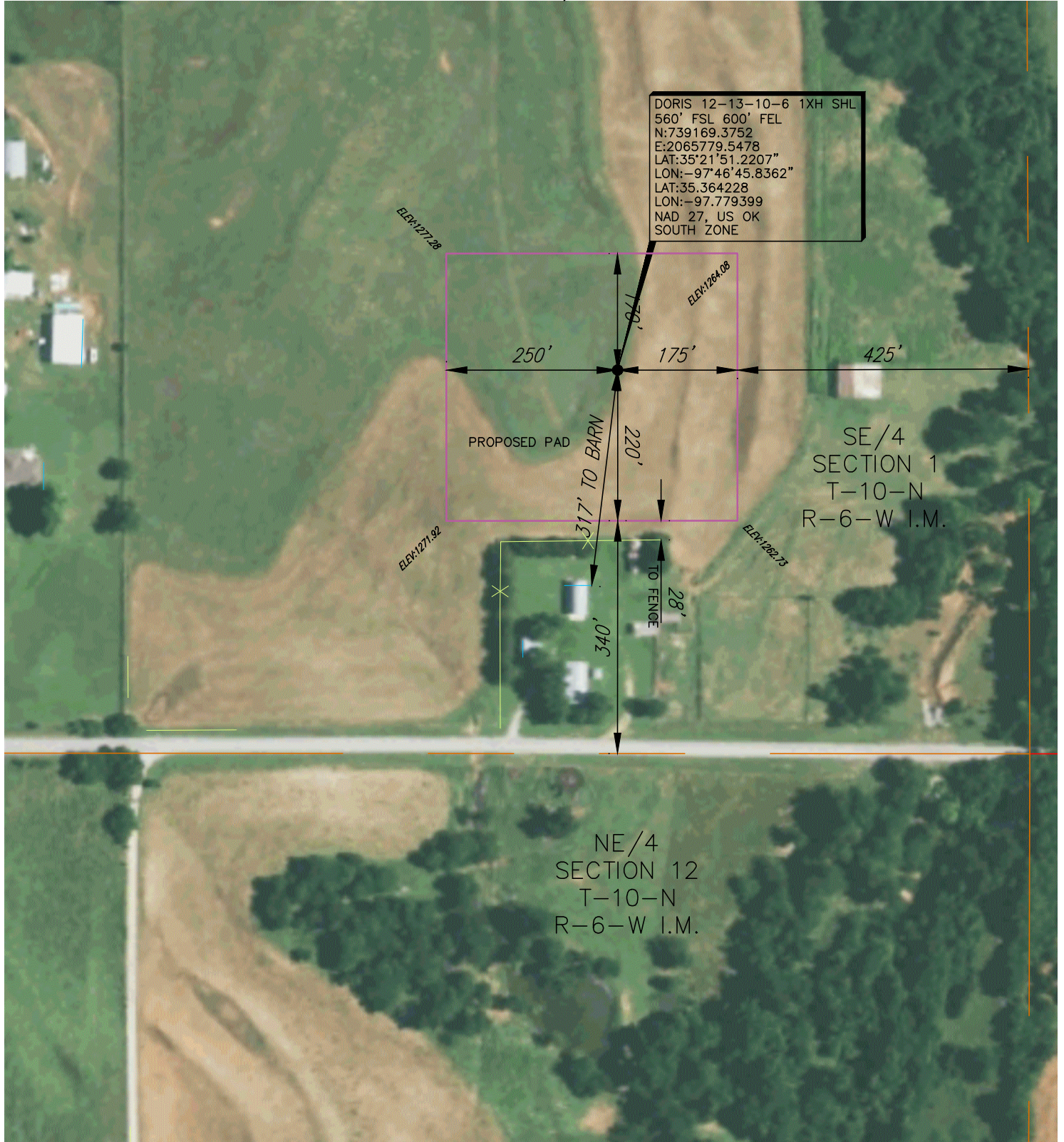


API: 017 24948

PROPOSED PAD
 LINN OPERATING, INC
 DORIS 12-13-10-6 1XH
 MINCO FIELD

SHL: 560' FSL & 600' FEL OFFSITE IN SECTION 1
 SECTION 12, TOWNSHIP 10 NORTH, RANGE 6 WEST
 INDIAN MERIDIAN

LEASE LINES
 SHL: 560' FNL & 600' FEL
 CANADIAN COUNTY, OKLAHOMA

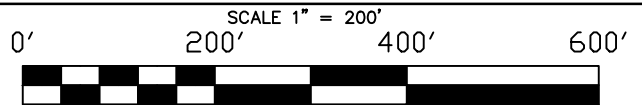


NOTE:

1. COMBINED SCALE FACTOR: 0.999947069
2. SHL IS APPROXIMATELY 5.39 MILES N 19°51'57\" E OF TUTTLE OKLAHOMA.

FILE: S:\OK\GRADY\PROJECTS\GRADY MAIN NAD27_OK S_G09US.dwg

STAKED WELL: 09/01/16
 ADD DIMENSIONS: 09/02/16
 RESTAKED WELL AND PAD CHANGED LOCATION: 10/24/16



REV: 2 JOB NO.: 16-0165 FIELD BOOK: SERVER DRAWN BY: EM

LEGEND	
SHL	SURFACE HOLE LOCATION
FP	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
—	PROPOSED IMPROVEMENT
—	SURVEY BASELINE
—	EXISTING RIGH-OF WAY
—	EXISTING ROADS
—	SECTION LINE

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



CA#5957 EXPIRATION 6-30-2017
 200 N LORAIN #220
 MIDLAND, TX 79701
 (432) 520-2400

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.
3. THIS IS NOT A BOUNDARY SURVEY.

10/24/16

SHEET 1 OF 2