

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

API NUMBER: 083 24258

Approval Date: 02/05/2014

Expiration Date: 08/05/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 15N Rge: 3W

County: LOGAN

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2589 1420

Lease Name: DAVIS FARMS 15-3-5

Well No: 1 HW

Well will be 165 feet from nearest unit or lease boundary.

Operator Name: SUNDANCE ENERGY OKLAHOMA LLC dba SEO LLC

Telephone: 3034070471

OTC/OCC Number: 22918 0

SUNDANCE ENERGY OKLAHOMA LLC dba SEO LLC  
633 17TH ST STE 1950  
DENVER , CO 80202-3620

DAVIS FARMS  
3919 SOUTH BROADWAY  
GUTHRIE OK 73044

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	5932	6	
2	WOODFORD	5932	7	
3	MISENER-HUNTON	6025	8	
4			9	
5			10	

Spacing Orders: 612998

Location Exception Orders: 613301

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10800

Ground Elevation: 1064

**Surface Casing: 350**

Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: GARBER

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

PERMIT NO: 14-26395

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

# HORIZONTAL HOLE 1

Sec 05 Twp 15N Rge 3W County LOGAN

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5181

Radius of Turn: 712

Direction: 185

Total Length: 4500

Measured Total Depth: 10800

True Vertical Depth: 6025

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

LOCATION EXCEPTION - 613301

2/5/2014 - G75 - (I.O.) 5-15N-3W  
X612998 MSSLM, WDFD, MSRH  
COMPL. INT. NCT 195 FNL, NCT 165 FSL, NCT 660 FWL  
SUNDANCE ENERGY OKLAHOMA, LLC DBA SEO, LLC  
7-1-2013

SPACING - 612998

2/5/2014 - G75 - (640)(HOR) 5-15N-3W  
EST MSSLM, WDFD, MSRH  
POE TO BHL (WDFD) NLT 330' FB  
POE TO BHL (OTHERS) NLT 660' FB  
(SUPERSEDE SP. ORDER # 321277 HNTN SE4, ORDER # 394780 HNTN SW4, ORDER # 397656  
HNTN NW4, ORDER # 512235 HNTN NE4 NE4; COEXIST WITH PRODUCING NON-HORIZONTAL  
SPACING UNITS)

SURFACE LOCATION

2/5/2014 - G75 - 165' FNL, 2589' FSL, 1420' FWL, 1231' FEL NW4 5-15N-3W PER SURVEY PLAT

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

083 24258 DAVIS FARMS 15-3-5 1 HW

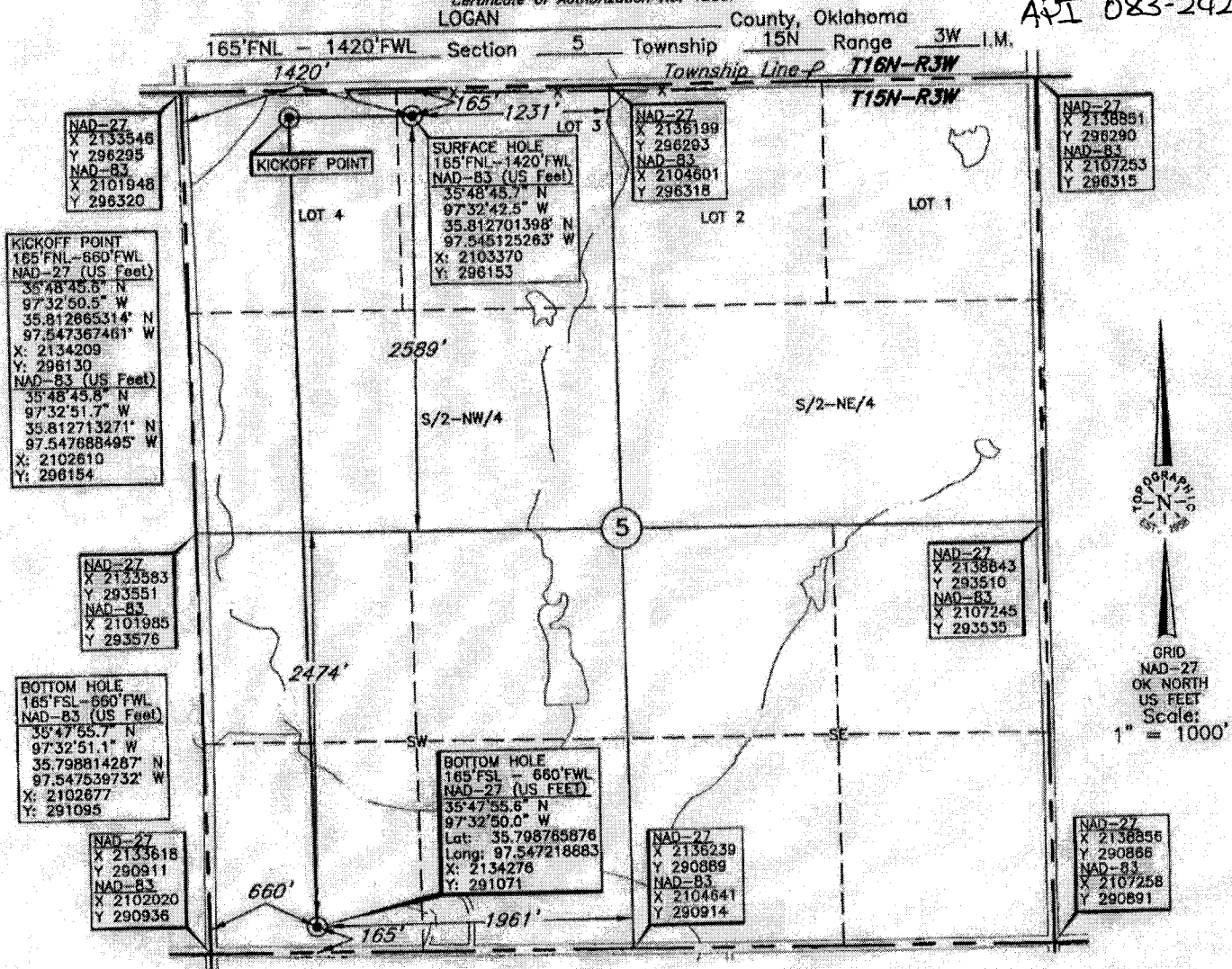
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# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293

API 083-24258



BOTTOM HOLE, KICKOFF POINT, AND DRILL PATH INFORMATION  
PROVIDED BY OPERATOR LISTED, NOT SURVEYED;  
CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED  
IN THE FIELD.

## ELEVATION:

1064' Gr. at Stake

Operator: SUNDANCE ENERGY

Lease Name: DAVIS FARMS 15-3-5

Well No.: 1 HW

Topography & Vegetation Loc. fell on pad under construction

Good Drill Site? Yes

Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction From St. Hwy. 33 & St. Hwy 74, go ± 4 miles South on St. Hwy 74, then ± 2 miles East  
to the Northwest Corner of Section 5, T15N - R3W.

DATUM: NAD-27  
LAT: 35°48'45.6"N  
LONG: 97°32'41.3"W  
LAT: 35.812653411" N  
LONG: 97.544804292" W

STATE PLANE  
COORDINATES (US Feet):  
ZONE: OK NORTH  
X: 2134969  
Y: 296129

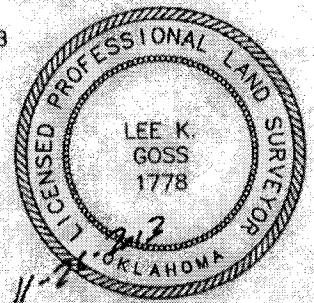
Date of Drawing: Nov. 26, 2013  
Invoice # 211982 Date Staked: Nov. 22, 2013

NMB

## CERTIFICATE:

I, Lee K. Goss a Licensed Land Surveyor  
and an authorized agent of Topographic Land Surveyors,  
do hereby certify that the above described well location  
was surveyed and staked on the ground as shown herein.

Oklahoma Reg. No. 1778



This information was  
gathered with a GPS receiver  
with ±1 foot horiz./vert. accuracy