

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

API NUMBER: 083 24248

Approval Date: 01/14/2014

Expiration Date: 07/14/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 16N Rge: 3W

County: LOGAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 178 1320

Lease Name: DAVIS PARTNERS 16-3-15

Well No: 1 HW

Well will be 178 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 S BROADWAY  
GUTHRIE OK 73044

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

	Name	Depth	Name	Depth
1	WOODFORD	5056	6	
2	MISSISSIPPIAN	5702	7	
3	MISENER-HUNTON	5834	8	
4			9	
5			10	

Spacing Orders: 620272

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201308393

Special Orders:

Total Depth: 10600

Ground Elevation: 1103

**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: 14-26200

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 15 Twp 16N Rge 3W County LOGAN

Spot Location of End Point: N2 N2 NW NW

Feet From: SOUTH 1/4 Section Line: 2489

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5185

Radius of Turn: 712

Direction: 355

Total Length: 4900

Measured Total Depth: 10600

True Vertical Depth: 5834

End Point Location from Lease,

Unit, or Property Line: 150

## Notes:

### Category

### Description

PENDING CD - 201308393

1/14/2014 - G30 - 15-16N-3W  
X620272 MSSP, WDFD, MSRH  
COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 560 FWL  
NO OP. NAMED  
REC 1/6/14 (CANDLER)

SPACING - 620272

1/14/2014 - G30 - (640 HOR) 15-16N-3W  
EXT 614797 MSSP, WDFD, MSRH  
POE TO BHL (MSSP, MSRH) NLT 660' FB  
POE TO BHL (WDFD) NLT 330' FB  
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

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083 24248 DAVIS PARTNERS 16-3-15 1 HW

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