

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

API NUMBER: 083 24229

Approval Date: 11/22/2013
Expiration Date: 05/22/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 16N Rge: 4W County: LOGAN
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2369 677

Lease Name: CIMARRON RIVER 16-4-12 Well No: 1HW Well will be 271 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

DIANE FRICK
1101 BASSETT RD
GUTHRIE OK 73044

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5045	6	
2 WOODFORD	5056	7	
3 MISENER-HUNTON	5187	8	
4		9	
5		10	

Spacing Orders: 614476

Location Exception Orders: 614785

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10800

Ground Elevation: 1045

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 450

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: 13-24969

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 12 Twp 16N Rge 4W County LOGAN

Spot Location of End Point: N2 N2 NW NW

Feet From: SOUTH 1/4 Section Line: 2473

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5388

Radius of Turn: 712

Direction: 358

Total Length: 4900

Measured Total Depth: 10900

True Vertical Depth: 5988

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

LOCATION EXCEPTION - 614785

11/22/2013 - G30 - (I.O.) 12-16N-4W
X611917** MSSP, WDFD, MSRH
SHL 290 FNL, 663 FWL 13-16N-4W++
COMP. INT. NCT 165 FNL, NCT 165 FSL, NCT 560 FWL 12-16N-4W
SUNDANCE ENERGY OKLAHOMA, LLC DBA SEO, LLC
8/13/13

**S/B 614476 NPT TO BE FILED TO CORRECT SPACING ORDER NUMBER PER ATTORNEY FOR OPERATOR

++SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION

SPACING - 614476

11/22/2013 - G30 - (640 HOR) 12-16N-4W
EXT 607034 MSSP, WDFD, MSRH
POE TO BHL (MSSP, MSRH) NLT 660' FB
POE TO BHL (WDFD) NLT 330' FB
(SUPERSEDE SP. 180825 MISS, MSNR, HNTN)