

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

API NUMBER: 083 24294

Approval Date: 05/06/2014
Expiration Date: 11/06/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 16N Rge: 3W County: LOGAN
SPOT LOCATION: NE NE NW NW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2468 1100

Lease Name: DATIN 16-3-7 Well No: 1HM Well will be 174 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

MARION L DATIN
150 NORTH MAY AVENUE
GUTHRIE OK 73044

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	5821	6	
2	WOODFORD	5905	7	
3	MISENER-HUNTON	6016	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders: 201402479

Increased Density Orders:

Pending CD Numbers: 201401461

Special Orders:

Total Depth: 10700 Ground Elevation: 1012 **Surface Casing: 430** Depth to base of Treatable Water-Bearing FM: 380

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: 14-27100
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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 07 Twp 16N Rge 3W County LOGAN

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 160

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 5300

Radius of Turn: 712

Direction: 180

Total Length: 4900

Measured Total Depth: 10700

True Vertical Depth: 6016

End Point Location from Lease,
Unit, or Property Line: 160

Notes:

Category	Description
PENDING CD - 201401461	5/5/2014 - G72 - (640) HORZ 7-16N-3W EXT 614476 MSSP, WDFD, MSRH; WDFD NLT 330 FB, MSSP, MSRH NLT 660 FB; SUPERSEDE 158694 EXISTING NON-DEV NON-HORZ UNITS(NE, NW, SW, N2 SE); COEXIST W/ 158694 (S2 SE) MISS (BUGG 2-7); NO OPER NAMED; 4/22/14 REC (P PORTER)** **AMD APP REC
PENDING CD - 201402479	5/5/2014 - G72 - 7-16N-3W X 201401461 MSSP, WDFD, MSRH; COMP INT. NCT 150 FNL NCT 150 FSL NCT 330 FWL; NO OPER NAMED; 4/22/2014 REC (P PORTER)

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.