

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

API NUMBER: 083 24236 A

Approval Date: 12/16/2013
Expiration Date: 06/16/2014

Horizontal Hole Oil & Gas

Amend reason: ADD FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 17N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ SE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2213 1727

Lease Name: WALDRIDGE 17-4-4

Well No: 1 HM

Well will be 425 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

EMMITT J. BRANSON
13520 W. CO. ROAD 75
CRESCENT OK 73028

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5930	6	
2	WOODFORD	6030	7	
3			8	
4			9	
5			10	

Spacing Orders: 616837

Location Exception Orders: 620515

Increased Density Orders: 625076

Pending CD Numbers: 201408550

Special Orders:

Total Depth: 10500

Ground Elevation: 1089

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-24665
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 04 Twp 17N Rge 4W County LOGAN

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1976

Depth of Deviation: 5400

Radius of Turn: 712

Direction: 180

Total Length: 4900

Measured Total Depth: 10500

True Vertical Depth: 6030

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category	Description
INCREASED DENSITY - 625076	11/10/2014 - G75 - 4-17N-4W X616837 WDFD 1 WELL (WALDRIDGE 17-4-4 1HM) SUNDANCE ENERGY OKLAHOMA LLC DBA SEO, LLC 5-8-2014
LOCATION EXCEPTION - 620515	11/10/2014 - G75 - (I.O.) 4-17N-4W X616837 MSSP, WDFD, OTHER COMP. INT. NCT 165 FNL, NCT 165 FSL, NCT 560 FEL SUNDANCE ENERGY OKLAHOMA, LLC DBA SEO, LLC 1-17-2014
PENDING CD - 201408550	11/20/2014 - G75 - (E.O.) 4-17N-4W X165:10-3-28(C)(2)(B) MSSP, WDFD (WALDRIDGE 17-4-4 1 HM) WITHIN 600' WALDRIDGE 17-4-4 1 HW SUNDANCE ENERGY OKLAHOMA LLC DBA SEO, LLC REC 11-21-2014 (OSBURN)
SPACING - 616837	11/10/2014 - G75 - (640)(HOR) 4-17N-4W EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 330' FB (SUPERSEDE SP. ORDER # 50903 MSSLM NW4, S2, W2 NE4; COEXIST SP. ORDER # 50903, MSSLM E2 NE4)
SURFACE LOCATION	11/12/2014 - G75 - 425' FNL, 2213' FSL, 1727' FWL, 901' FEL NE4 4-17N-4W PER OPERATOR

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083 24236 WALDRIDGE 17-4-4 1 HM