API NUMBER: 045 23494 Α

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

Approval Date: 07/16/2014 01/16/2015 Expiration Date:

6778 0

Well will be 115 feet from nearest unit or lease boundary.

OTC/OCC Number:

Horizontal Hole Oil & Gas

and reason: OCC CORRECTION: CORRECT COLINTY ON BHI

DRILL

ND FORMATIONS	ONNEOTION: OONNEOT OO	JIVI I OIVI	DITE	<u>AM</u>	END PE	RMIT	TO DRILL	
WELL LOCATION: SPOT LOCATION:		Rge: 23V	V Coun	rty: ELLI	s souтн	FROM	EAST	
Lease Name:	ODWC 19-16-23		SECTION LINES:	Vell No:	115 1H		574	
Operator Name:	APACHE CORPORATION	I	·	VOII 140.		none:	9184914900; 9	9184914

DEPARTMENT OF WILDLIFE CONSERVATION

OKLAHOMA CITY OK 73152

P O BOX 53465

APACHE CORPORATION 6120 S YALE AVE STE 1500

TULSA. 74136-4224 OK

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

ı	name	Depth	Name	Deptr	1
1 -	TONKAWA	8231	6		
2			7		
3			8		
4			9		
5			10		
Spacing Orders:	585540	Location Exception Orders: 6	627456	Increased Density Orders:	613933

Pending CD Numbers: Special Orders:

Total Depth: 13000 Ground Elevation: 2036 Surface Casing: 490 Depth to base of Treatable Water-Bearing FM: 440

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000

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? located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27559

H. SEE MEMO

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000

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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 19 Twp 16N Rge 23W County ROGER MILLS

Spot Location of End Point: E2 SW SE SE
Feet From: SOUTH 1/4 Section Line: 330
Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 7917 Radius of Turn: 573 Direction: 180

Total Length: 4341

Measured Total Depth: 13000

True Vertical Depth: 8526

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category Description

INCREASED DENSITY- 613933 7/16/2014 - G72 - 19-16N-23W

X 585540 TIKW

2 WELLS

APACHE CORPORATION;

7/17/2013

LOCATION EXCEPTION - 627456 7/16/2014 - G72 - 19-16N-23W (I.O.)

X 585541 TNKW;

SHL 125 FSL 600 FEL (18-16N-23W);

COMP INT NCT 300 FNL NCT 300 FSL NCT 500 FEL;

APACHE CORPORATION;

7/3/2014

SHL TO BE CORRECTED AT FINAL HEARING

MEMO 7/9/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER),

PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 585540 7/16/2014 - G72 - (640 HORZ) 19-16N-23W

EST DGLTK, TNKW

EXIST CONCURRENTLY WITH PRODUCING NON-HORIZONTAL

DRILLING AND SPACING UNITS/SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL

DRILLING AND SPACING UNITS

Well Location Plat

S.H.L. Sec. 18-16N-23W I.M. B.H.L. Sec. 19-16N-23W 1.M.

Operator: APACHE CORPORATION

Lease Name and No.: ODWC 19-16-23 1H

PAD ELEVATION: 2036' (NAVD 88) Good Site? YES Footage: 115' FSL - 574' FEL

Section: 18 Township: 16N Range: 23W I.M. State of Oklahoma Alternate Loc.: N/A County: Ellis Terrain at Loc. : Stake fell on Existing Pad, 25' due East of conductor pipe.

Accessibility: From the West

Directions: From the town of Roll,OK, at the intersection of Highway 283 and Highway 47 go North 8.2 miles on Highway 283, then go East 3.1 miles on to "EW 770 Road" to a County/Lease Rd. and go South 2.1 miles to the North line of Section



