API NUMBER: 129 23929

Oil & Gas

Horizontal Hole

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

Approval Date: 03/19/2014
Expiration Date: 09/19/2014

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 16N Rge: 22W County: ROGER MILLS

SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST SECTION LINES: 200 2325

Lease Name: MCCRACKEN 20-16-22 Well No: 1H Well will be 200 feet from nearest unit or lease boundary.

 Operator Name:
 APACHE CORPORATION
 Telephone:
 9184914900; 9184914
 OTC/OCC Number:
 6778 0

APACHE CORPORATION 6120 S YALE AVE STE 1500

TULSA. OK 74136-4224

JR< MCCRACKEN, SO TRUSTEES OF THE JOHN & TYLENE MCCRACKEN TRUST

19251 E. 810 ROAD

LEEDEY OK 73654

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

Name Depth Name Depth TONKAWA 8421 1 6 2 7 3 8 4 9 10 61659 Spacing Orders: Location Exception Orders: Increased Density Orders: 618387

Pending CD Numbers: 201307438 Special Orders:

Total Depth: 13317 Ground Elevation: 2083 Surface Casing: 650 Depth to base of Treatable Water-Bearing FM: 450

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

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: 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? 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: CLOUD CHIEF

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26694

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: CLOUD CHIEF

HORIZONTAL HOLE 1

Sec 20 Twp 16N Rge 22W County ROGER MILLS

Spot Location of End Point: C S2 SW SE
Feet From: SOUTH 1/4 Section Line: 330
Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 7872 Radius of Turn: 573 Direction: 178

Total Length: 5115

Measured Total Depth: 13317

True Vertical Depth: 8493

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

Notes:

Category Description

INCREASED DENSITY - 618387 3/19/2014 - G30 - 20-16N-22W

X61659 TNKW 2 WELLS

APACHE CORPORATION

11/21/13

MEMO 3/19/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - SOUTH CANADIAN

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

PENDING CD - 201307438 3/19/2014 - G30 - 20-16N-22W

X61659 TNKW

SHL NCT 200 FSL, NCT 2325 FEL 17-16N-22W 1ST PERF NCT 300 FNL, NCT 1320 FEL 20-16N-22W LAST PERF NCT 330 FSL, NCT 1320 FEL 20-16N-22W

NO OP. NAMED

REC 11/26/13 (JOHNSON)

SPACING - 61659 3/19/2014 - G30 - (640) 20-16N-22W

EST TNKW