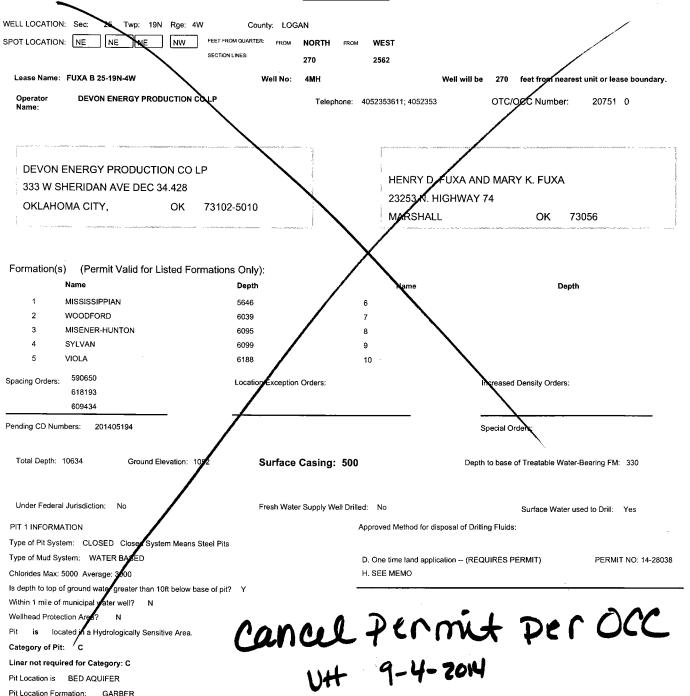
OKLAHOMA CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION** 083 24319 P.O. BOX 52000 Α

OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 09/02/2014 Expiration Date: 03/02/2015

API NUMBER: Horizontal Hole Oil & Gas

PERMIT TO DRILL



PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: OIL BASED Chlorides Max: 325000 Average: 25 000 Is depth to top of ground water greate than 10ft below base of pit? Y Within 1 mile of municipal water well? Wellhead Protection Area? is located in a Hydrologically Se sitive Area Category of Pit: C Liner not required for Category: C Pit Location is BED AQUIFER Pit Location Formation: GARBER HORIZONTAL HOLE 1 Sec 25 Twp 19N Rge 4W County LOGAN Spot Location of End Point: SE SW SW Feet From: SOUTH 1/4 Section Line: 50 Feet From: **EAST** 1/4 Section Line: 2200 Depth of Deviation: 5448 Radius of Turn: 358 Direction: 174 Total Length: 4624 Measured Total Depth: 10634 True Vertical Depth: 6188 End Point Location from Lease, Unit, or Property Line: 50 Notes: Category Description 8/7/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CULTINGS PERMITTED PER DISTRICT MEMO PENDING CD - 201405194 2/2014 - G72 - 25-19N-4W (I.O.) \$ 590650, 618193, 609434, MSSP. WDFD MSRN*, HNTN*, SLVN, VIOL;

COMP INT.(MSSP, WDFD, MSRN, HNTN, SLVN) NCT 150 FNL NCT 150 FSL NCT 1320 FEL;

COMP INT. (VIOL) NCT 330 FNL NCT 330 FSL NCT 1320 FEL;

EXCEPTION TO RULE 165:10-3-28 WELL MAY BE AS CLOSE AS 500' TO AN EXISTING WELLBORE NO OPER NAMED; REC 8/12/2014 (CANDLER) *FORMATIONS WILL BE AMENDED AT THE FINAL HEARING TO BE MSRH(MISENER-HUNTON) PER ATTORNEY'S. **SPACING - 590650** 9/2/2014 - G72 - (640 HOR) 25-19N-4W EST MSSP, WDFD, MSRH POE TO BHL (MSSP, MSRH): NLT 660' FB, NCT 600 FW POE TO BHL (WDFD): NLT 330' FB, NCT 600 FWB (SUPERSEDE SP. 78424/122035 MSSLM & SP. 237013 MSRH) SPACING - 609434 9/2/2014 - G72 - (640 HOR) 25-19N-4W EST VIOL POE TO BHL: NCT 660' FB (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS; SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS) SPACING - 61819; 9/2/2014 - G72 - (640 HORZ) 25-19N-04W EST SLVN: POE TO BHL NCT 330' FB

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.

083 24319 FUXA B 25-19N-4W 4MH