PI NUMBER: 129 24011 rizontal Hole Oil & Gas	OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)			Approval Date: Expiration Date:	10/06/2014 04/06/2015
	P	ERMIT TO DRIL	<u>L</u>		
WELL LOCATION: Sec: 13 Twp: 15N Rge: 26	W County: ROGER	MILLS			
SPOT LOCATION: SW SE SW	FEET FROM QUARTER: FROM	OUTH FROM WI	ST		
	SECTION LINES: 2	50 15	25		
Lease Name: THORAL 24-15-26	Well No: 1	н	Well	vill be 250 feet from neare	est unit or lease boundary.
Operator APACHE CORPORATION Name:		Telephone: 91849	14900; 9184914	OTC/OCC Number:	6778 0
APACHE CORPORATION			THORAL & LINE	DA SHAW/	
6120 S YALE AVE STE 1500					
TULSA, OK	74136-4224		8522 HWY 30		
			DURHAM	OK 7	73642
2 3 4 5 Spacing Orders: 142515		7 8 9 10			
Spacing Orders: 142515	Location Exception Or	ders: 630268		Increased Density Orders:	
Pending CD Numbers:				Special Orders:	
Total Depth: 15500 Ground Elevation: 2	310 Surface Ca	asing: 700		Depth to base of Treatable Wate	er-Bearing FM: 650
Under Federal Jurisdiction: No	Fresh Water S	upply Well Drilled: N	0	Surface Water	used to Drill: No
PIT 1 INFORMATION		Approv	ed Method for disposal	of Drilling Fluids:	
Type of Pit System: ON SITE		A. Ev	aporation/dewater and b	ackfilling of reserve pit.	
Type of Mud System: WATER BASED				· ·	
Chlorides Max: 8000 Average: 5000			D. One time land application (REQUIRES PERMIT) PERMIT NO: 14- H. SEE MEMO		PERMIT NO: 14-2846
Is depth to top of ground water greater than 10ft below b	ase of pit? Y	H. SE			
Within 1 mile of municipal water well? N					
Wellhead Protection Area? N					
Pit is located in a Hydrologically Sensitive Area.					
Category of Pit: 1B					
Liner required for Category: 1B					
Pit Location is BED AQUIFER					
Pit Location Formation: OAGALLALA					

PIT 2 INFORMATION Type of Pit System: ON SITE 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: 3 Liner required for Category: 3

Pit Location is BED AQUIFER Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

ROGER MILLS Sec 24 Twp 15N Rge 26W County Spot Location of End Point: E2 SW SE SW Feet From: SOUTH 1/4 Section Line: 330 Feet From: WEST 1/4 Section Line: 1500 Depth of Deviation: 9594 Radius of Turn: 573 Direction: 359 Total Length: 5193 Measured Total Depth: 15500 True Vertical Depth: 10224 End Point Location from Lease, Unit, or Property Line: 330

Notes:	
Category	Description
LOCATION EXCEPTION - 630268	10/6/2014 - G72 - 24-15N-26W (I.O.) X 142515 CLVD SHL NCT 250 FSL NCT 1500 FWL 13-15N-26W, COMP INT. NCT 300 FNL NCT 300 FSL NCT 1000 FWL, APACHE CORPORATION, 9/8/2014
MEMO	9/25/2014 - G76 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 142515	10/6/2014 - G72 - (640) 24-15N-26W

EXT 100037 CLVD EST OTHERS

