PI NUMBER: 153 23563 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:	09/11/2014 03/11/2015
	PE		ILL		
WELL LOCATION: Sec: 30 Twp: 24N Rge: 21W	County: WOODW				
	ECTION LINES:		EAST		
Lease Name: FERN 30-24-21	Well No: 1H		1000 Well will	be 50 feet from neares	t unit er legge heunderu
	Weil NO. 1				t unit or lease boundary.
Operator APACHE CORPORATION Name:		Telephone: 918	4914900; 9184914	OTC/OCC Number:	6778 0
APACHE CORPORATION			ODWC		
6120 S YALE AVE STE 1500			P.O. BOX 53465		
TULSA, OK 74	4136-4224		OKLAHOMA CITY	OK 73	3105
2 3 4 5		6 7 8 9 10			
Spacing Orders: 628432 Location Exception Orders		ers: 20140379	l	Increased Density Orders:	
Pending CD Numbers:				Special Orders:	
Total Depth: 12000 Ground Elevation: 2015	Surface Ca	sing: 1500	De	pth to base of Treatable Water	Bearing FM: 280
Under Federal Jurisdiction: No	Fresh Water Su	oply Well Drilled:	No	Surface Water us	sed to Drill: No
PIT 1 INFORMATION	Approved Method for disposal of		rilling Fluids:		
Type of Pit System: ON SITE	A. Evaporation/dewater and backfilli			filling of reserve pit.	
Type of Mud System: WATER BASED	D. One time land application (F			EQUIRES PERMIT)	PERMIT NO: 14-2763
Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below base Within 1 mile of municipal water well? N	H. CONCRETE LINED PIT PER OPERATOR REQUEST				
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: RUSH SPRINGS					

HORIZONTAL HOLE 1

Sec 30 Rge 21W County WOODWARD Twp 24N Spot Location of End Point: SW NW NF NE 335 Feet From: NORTH 1/4 Section Line: Feet From: EAST 1/4 Section Line: 1000 Depth of Deviation: 6378 Radius of Turn: 600 Direction: 360 Total Length: 4679 Measured Total Depth: 12000 True Vertical Depth: 6978 End Point Location from Lease. Unit, or Property Line: 335 Notes: Description Category DEEP SURFACE CASING 9/11/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING LOCATION EXCEPTION - 201403791 9/11/2014 - G91 - 30-24N-21W X 628432 OSWG SHL NCT 10 FSL, NCT 500 FEL COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 500 FEL NO OP. NAMED REC 6-17-2014 (JOHNSON) SPACING - 628432 9/11/2014 - G91 - (640) (HOR) 30-24N- 21W EST OSWG POE TO BHL NCT 660 FB (SUPERCEDE NON-DEVELOP NON-HORIZONTAL) SPACING UNITS;