		PORATION COMMISSION			
API NUMBER: 045 23405 A		ISERVATION DIVISION BOX 52000	Approval Date:	10/22/2013	
AT NOWBER. 040 20400 //		CITY, OK 73152-2000	Expiration Date:	04/22/2014	
Straight Hole Oil & Gas	(Rule	e 165:10-3-1)			
mend reason: CHANGE SURFACE CASING	AMEND F	PERMIT TO DRILL			
WELL LOCATION: Sec: 22 Twp: 19N Rge: 23W	County: ELLIS				
	FEET FROM QUARTER: FROM SOUTH				
	SECTION LINES: 1700	330			
Lease Name: BERRYMAN	Well No: 5-22		ell will be 330 feet from neare	st unit or lease boundary.	
Operator UNIT PETROLEUM COMPANY Name:	Tel	ephone: 9184937700; 9184937	OTC/OCC Number:	16711 0	
UNIT PETROLEUM COMPANY					
P.O. Box 702500			ANNE PORTER BERRYMAN; GEORGE C. BERRYMAN; NATHAN R. OLANSEN, TRUST		
TULSA, OK 7	4170-2500	PO BOX 131			
		CASCADE	CO 8	0809-	
Name 1 COTTAGE GROVE	Depth 8450	Name 6	Dept	h	
2		7			
3		8			
4 5		9 10			
		10			
Spacing Orders: ³⁶⁹³⁸²	Location Exception Orders:		Increased Density Orders:		
Pending CD Numbers:			Special Orders:		
Total Depth: 8500 Ground Elevation: 2473	3 Surface Casin	g: 1200	Depth to base of Treatable Wate	r-Bearing FM: 640	
Under Federal Jurisdiction: No	Fresh Water Supply Well Drilled: Yes		Surface Water	ised to Drill: No	
PIT 1 INFORMATION	Approved Method for disposal of Drilling Fluids:				
Type of Pit System: ON SITE	A. Evaporation/dewater and backfilling of reserve pit.				
Type of Mud System: WATER BASED					
Chlorides Max: 20000 Average: 5000	D. One time land applicat H. SEE MEMO		on (REQUIRES PERMIT)	PERMIT NO: 13-24658	
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: 1B					
Liner required for Category: 1B					
Pit Location is BED AQUIFER					
Pit Location Formation: OGALLALA					

Notes:

Description

DEEP SURFACE CASING

MEMO

SPACING - 369382

10/29/2013 - 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

10/17/2013 - G71 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, 20 MIL LINED GEOMEMBRANE TRENCH PIT FOR SOIL FARMING

10/22/2013 - G30 - (UNIT) 22-19N-23W EST BERRYMAN (COTTAGE GROVE) WATERFLOOD UNIT FOR CCGV