API NUMBER: 117 23587

Oil & Gas

Horizontal Hole

Wellhead Protection Area?

Liner not required for Category: 2
Pit Location is BED AQUIFER
Pit Location Formation: OSCAR

Category of Pit: 2

located in a Hydrologically Sensitive Area.

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

Approval Date: 03/25/2014

Expiration Date: 09/25/2014

PERMIT TO DRILL

		<u></u>		
WELL LOCATION: Sec: 31 Twp: 23N	Rge: 5E County: PAV	VNEE		
SPOT LOCATION: SE NW SW	SE FEET FROM QUARTER: FROM	SOUTH FROM EAST		
	SECTION LINES:	700 2265		
Lease Name: BRUNS	Well No:	1-6H	Well will be 700 feet from nearest unit or lease bou	
Operator CUMMINGS OIL COMPAINAme:	NY	Telephone: 4059481818; 409	059481 OTC/OCC Number: 5481 0	
CUMMINGS OIL COMPANY		PAWO	CO, LLC	
5400 NW GRAND BLVD STE 10	00		DORCHESER PLACE	
OKLAHOMA CITY,	OK 73112-6113		CHOMA CITY OK 73120	
Name 1 MISSISSIPPI 2 3 4 5 Spacing Orders: 620740 Pending CD Numbers: 201401028	Depth 3530 Location Exceptio	Name 6 7 8 9 10 n Orders:	Increased Density Orders: Special Orders:	
Total Depth: 8155 Ground Ele	vation: 994 Surface	Casing: 400	Depth to base of Treatable Water-Bearing FM: 290	
Under Federal Jurisdiction: No	Fresh Wate	er Supply Well Drilled: No	Surface Water used to Drill: No	
PIT 1 INFORMATION		Approved Method	Approved Method for disposal of Drilling Fluids:	
Type of Pit System: ON SITE Type of Mud System: WATER BASED		A. Evaporation/d	dewater and backfilling of reserve pit.	
Chlorides Max: 5000 Average: 3000				
Is depth to top of ground water greater than 10! Within 1 mile of municipal water well? N	it below base of pit? Y			

HORIZONTAL HOLE 1

Sec 06 Twp 22N Rge 5E County PAWNEE

Spot Location of End Point: E2 E2 SE SW
Feet From: SOUTH 1/4 Section Line: 660
Feet From: WEST 1/4 Section Line: 2580

Depth of Deviation: 3000
Radius of Turn: 650
Direction: 186
Total Length: 4134

Measured Total Depth: 8155

True Vertical Depth: 3650

End Point Location from Lease,
Unit, or Property Line: 660

Notes:

Category Description

PENDING CD - 201401028 3/24/2014 - G75 - (I.O.) 6-22N-5E

X620740 MISS, OTHER

COMPL. INT NCT 165 FNL, NCT 165 FSL, NCT 660 FWL

NO OP. NAMED

REC 3-10-2014 (LEAVITT)

SPACING - 620740 3/24/2014 - G75 - (640)(HOR) 6-22N-5E

EXT 612938 MISS, OTHERS POE TO BHL NLT 660' FB