API NUMBER: 083 24276 A Horizontal Hole Oil & Gas	OIL & GAS CC P.C OKLAHOMA	RPORATION COMMISSIO DNSERVATION DIVISION D. BOX 52000 A CITY, OK 73152-2000 Ile 165:10-3-1)	Approval Date: 03/14/2014 Expiration Date: 09/14/2014
mend reason: CHANGE SURFACE & BOTTOM-HOLE OCATIONS; UPDATE ORDERS	AMEND	PERMIT TO DRILL	
WELL LOCATION: Sec: 11 Twp: 16N Rge: 3W	County: LOGAN		
SPOT LOCATION: NW NW NW NW	FEET FROM QUARTER: FROM NOR	TH FROM WEST	
	SECTION LINES: 250	200	
Lease Name: OSAGE WHITTEN	Well No: 1-2V	NH	Well will be 200 feet from nearest unit or lease boundary.
Operator OSAGE EXPLORATION & DEVELOF Name:	MENT INC T	elephone: 4052700989	OTC/OCC Number: 23098 0
OSAGE EXPLORATION & DEVELOPME 100 PARK AVE STE 1040		BARBARA I 1318 S. STI	L. WHITTEN ILLWELL
OKLAHOMA CITY, OK	73102-8018	PITTSBURG	G KS 66762
1 WOODFORD 2 3 4 5	5785	6 7 8 9 10	
Spacing Orders: 623773	Location Exception Order	rs: 625073	Increased Density Orders:
Pending CD Numbers: Total Depth: 10576 Ground Elevation: 962	Surface Casi	ing: 500	Special Orders: Depth to base of Treatable Water-Bearing FM: 390
Under Federal Jurisdiction: No	Fresh Water Supp	bly Well Drilled: No	Surface Water used to Drill: Yes
PIT 1 INFORMATION		Approved Method for dis	sposal of Drilling Fluids:
Type of Pit System: CLOSED Closed System Means St Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below bas			ation (REQUIRES PERMIT) PERMIT NO: 14-26603 STEEL PITS PER OPERATOR REQUEST
Within 1 mile of municipal water well? N Wellhead Protection Area? N	joi pit? T		
Pit is located in a Hydrologically Sensitive Area. Category of Pit: C			
Liner not required for Category: C			
Pit Location is BED AQUIFER			
Pit Location Formation: GARBER			

## HORIZONTAL HOLE 1

Sec 02 Twp 16N Rge 3W County LOGAN Spot Location of End Point: N2 NW NW NW 200 Feet From: NORTH 1/4 Section Line: WEST Feet From: 1/4 Section Line: 330 Depth of Deviation: 5200 Radius of Turn: 646 Direction: 1 Total Length: 4361 Measured Total Depth: 10576 True Vertical Depth: 5846 End Point Location from Lease. Unit, or Property Line: 200 Notes: Category Description LOCATION EXCEPTION - 625073 5/13/2014 - G75 - (I.O.) 2-16N-3W X623773 WDFD, OTHERS COMPL. INT. NCT 200 FSL, NCT 200 FNL, NCT 660 FWL \*\* OSAGE EXPLOR. & DEVELOP., INC. 5-8-2014 \*\* ITD HAS BHL AS 330 FWL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR 5/13/2014 - G75 - (640)(HOR) 2-16N-3W SPACING - 623773

VAC OTHERS

EXT 612015 WDFD, OTHERS POE TO BHL NCT 330' FB