				CORPORATION S CONSERVATION			
API NUMBER:	119 24286	А		P.O. BOX 5200	D	Approval Date:	10/10/2014
			OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)			Expiration Date:	04/10/2015
lorizontal Hole	Oil & Gas			(Kule 105.10-5-	")		
mend reason: CORRI	ECT THE SURFACE	OWNER	AME	END PERMIT TO	DRILL		
WELL LOCATION:	· Soc: 23 Twr	o: 19N Rge: 3E	County: PAYN				
SPOT LOCATION	: NE NW	NE	FEET FROM QUARTER: FROM SECTION LINES:		AST		
				245 7	95		
Lease Name:	FRIEDEMANN WES	T 28-21-19N-3E	Well No:	1WH	Well will be	e 245 feet from nearest u	init or lease boundary.
Operator Name:	AMERICAN ENE	RGY-WOODFORD L	TC	Telephone: 4056	085574; 4054188	OTC/OCC Number:	23358 0
AMERICA	AN ENERGY-W	OODFORD LLC					TTEES
PO BOX	18756				ADOLPH & FLORENCE FRIEDEMANN, CO-TTEES. ADOLPH & FLORENCE FRIEDEMANN TR.		
OKLAHOMA CITY, OK 73154-0756					ROUTE 4, BOX 9		
					STILLWATER	OK 740	74
Formation(s)	) (Permit Valic	for Listed Form	nations Only):				
	Name		Depth		Name	Depth	
1	WOODFORD		4140	6			
2				7			
3				8			
4				9			
5				10			
Spacing Orders:	616533 619448 632015		Location Exception	Orders: 632016		Increased Density Orders:	
Pending CD Numl	bers: 201407214					Special Orders:	
Total Depth: 1	15000 Gr	ound Elevation: 869	Surface (	Casing: 590	Dept	h to base of Treatable Water-Be	earing FM: 340
Under Federal	Jurisdiction: No		Fresh Water	Supply Well Drilled:	No	Surface Water used	to Drill: Yes
PIT 1 INFORMA	TION			Appro	ved Method for disposal of Drill	ling Fluids:	
Type of Pit Syste	em: CLOSED Clos	ed System Means St	eel Pits				
Type of Mud System: WATER BASED				D. C	ne time land application (REC	QUIRES PERMIT)	PERMIT NO: 14-2831
Chlorides Max: 5000 Average: 3000				H. C	H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST		
	f ground water greate		e of pit? Y				
	municipal water well?	Ν					
Wellhead Protect							
	ated in a Hydrological	iy Sensitive Area.					
Category of Pit:							
	ed for Category: C						
Pit Location is Pit Location Form	BED AQUIFER nation: OSCAR						
FILLOCATION FOR	nation. USCAR						

## HORIZONTAL HOLE 1

Sec 21 Twp 19N Rge 3E Cour Spot Location of End Point: NW NE N								
Feet From: NORTH 1/4 Section Line: 165								
Feet From: EAST 1/4 Section Line:	450							
Depth of Deviation: 3600								
Radius of Turn: 891								
Direction: 1								
Total Length: 10000								
Measured Total Depth: 15000								
True Vertical Depth: 4491								
End Point Location from Lease, Unit, or Property Line: 165								
Notes:								
Category	Description							
LOCATION EXCEPTION - 632016	10/22/2014 - G91 - (E.O.) 21 & 28-19N-3E SHL 245 FNL, 545 FEL ** 33-19N-3E X 616533 WDFD 28-19N-3E X 619448 WDFD 21-19N-3E COMPL. INT. (28-19N-3E) NCT 165 FSL, NCT 0 FNL, NCT 330 FEL							
	COMPL. INT. (21-19N-3E) NCT 0 FSL, NCT 165 FNL, NCT 330 FEL AMERICAN ENERGY - WODDFORD, LLC. 10-20-2014 (N. STUCK)							
	** SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR**							
PENDING CD - 201407214	10/9/2014 - G91 - 21 & 28-19N-3E X 616533 WDFD 28-19N-3E X 619448 WDFD 21-19N-3E 1 WELL NO OP. NAMED HEARING 10-21-2014 (N. STUCK)							
SPACING - 616533	10/9/2014 - G91 - (640)(HOR) 28-19N-3E VAC 271050 WDFD, OTHERS VAC 362551/369480 WDFD, OTHERS (N2 SE4 SE4, SW4 SE4 SE4) VAC 362551 WDFD, OTHERS (N2 SE4, SW4 SE4, SE4 SE4 SE4, SW4) EXT 603961 WDFD, OTHERS POE TO BHL NCT 330' FB							
SPACING - 619448	10/9/2014 - G91 - (640)(HOR) 21-19N-3E VAC 268329 WDFD, OTHERS EXT 612294 WDFD, OTHERS POE TO BHL NCT 330' FB							
SPACING - 632015	10/22/2014 - G91 - (E.O.)(640) 21 & 28-19N-3E EST MULTIUNIT HORIZONTAL WELL X 616533 WDFD 28-19N-3E X 619448 WDFD 21-19N-3E (MSSP, MSRH ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 21-19N-3E 50% 28-19N-3E AMERICAN ENERGY - WOODFORD, LLC. 10-20-2014 (N. STUCK)							

