API NUMBER: 119 24192 B Horizontal Hole Oil & Gas	OIL & GAS CO P.O OKLAHOMA	PORATION COMMISS NSERVATION DIVISIO . BOX 52000 CITY, OK 73152-2000 e 165:10-3-1)	Approval Date: 03/05/2014
Amend reason: REMOVE MISSISSIPPIAN FROM INTENT	AMEND	PERMIT TO DRILL	
WELL LOCATION: Sec: 29 Twp: 18N Rge:	E County: PAYNE		
SPOT LOCATION: SW SE SE SW	FEET FROM QUARTER: FROM SOUT SECTION LINES: 280	Н FROM EAST 560	
Lease Name: HILL 29-20 18N 4E	Well No: 2WH		Well will be 280 feet from nearest unit or lease boundary.
Operator AMERICAN ENERGY-WOODFOF Name:	ID LLC Te	lephone: 4054188001; 40541	188 OTC/OCC Number: 23358 0
AMERICAN ENERGY-WOODFORD L PO BOX 18756 OKLAHOMA CITY, OK	LC 73154-0756	GAIL D. 7909 W 9	HILL REVOCABLE TRUST 9H ST
	73134-0730	RIPLEY	OK 74062
Formation(s) (Permit Valid for Listed For Name 1 WOODFORD 2 3 4 5 Spacing Orders: No Spacing	ormations Only): Depth 4130 Location Exception Orders	Name 6 7 8 9 10	Depth Increased Density Orders:
Pending CD Numbers: 201400541 201400587 201400589 201400588			Special Orders:
Total Depth: 14350 Ground Elevation:	915 Surface Casir	ng: 240	Depth to base of Treatable Water-Bearing FM: 190
Under Federal Jurisdiction: No	Fresh Water Supply	/ Well Drilled: No	Surface Water used to Drill: Yes
PIT 1 INFORMATION		Approved Method for	or disposal of Drilling Fluids:
Type of Pit System: CLOSED Closed System Means Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below			pplication (REQUIRES PERMIT) PERMIT NO: 14-26222 EM=STEEL PITS (REQUIRED - CIMARRON RIVER)
Within 1 mile of municipal water well? N Wellhead Protection Area? Y 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: OSCAR			

HORIZONTAL HOLE 1

Sec 20 Twp 18N Rge 4E Cour	ty PAYNE
Spot Location of End Point: N2 N2 N2	2 NW
Feet From: NORTH 1/4 Section Line:	165
Feet From: WEST 1/4 Section Line:	1320
Depth of Deviation: 2700	
Radius of Turn: 1500	
Direction: 180	
Total Length: 9400	
Measured Total Depth: 14350	
True Vertical Depth: 4200	
End Point Location from Lease,	
Unit, or Property Line: 165	
Notes:	Description
Category	Description
PENDING CD - 201400541	3/4/2014 - G30 - (640 HOR) 20 & 29-18N-4E VAC 565417 MISS (NW4 20) VAC 578674 MISS (SE4 20) EXT 617455 MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 330' FB REC 2/16/14 (JOHNSON)
PENDING CD - 201400587	3/4/2014 - G30 - 20 & 29-18N-4E X201400541 MSSP, WDFD EST MULTI UNIT FOR HORIZONTAL WELL PER OCC 165:5-7-62 20-18N-4E (50%) 29-18N-4E (50%) NO OP. NAMED REC 2/16/14 (JOHNSON)
PENDING CD - 201400588	3/4/2014 - G30 - 20-18N-4E X201400541 MSSP, WDFD COMP. INT. NCT 0 FSL, NCT 165 FNL, NCT 660 FWL NO OP. NAMED REC 2/19/14 (JOHNSON)
PENDING CD - 201400589	3/4/2014 - G30 - 29-18N-4E X201400541 MSSP, WDFD SHL NCT 280 FSL, NCT 2080 FWL COMP. INT. NCT 0 FNL, NCT 165 FSL, NCT 660 FEL NO OP. NAMED REC 2/19/14 (JOHNSON)
WELLHEAD PROTECTION AREA	2/26/2014 - G71 - RIPLEY PWA - 1 WPA, NE/4 29-T18N-R4E