API NUMBER: 117 23650

Type of Pit System: ON SITE

Wellhead Protection Area?

Category of Pit: 2

Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000

Within 1 mile of municipal water well? N

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

Is depth to top of ground water greater than 10ft below base of pit? Y

is located in a Hydrologically Sensitive Area.

Oil & Gas

Horizontal Hole

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

Approval Date: 03/27/2015
Expiration Date: 09/27/2015

PERMIT TO DRILL

WELL LOCATION: Sec: 16	Twp: 20N Rge: 8E	County: PAWNE	E					
SPOT LOCATION: SW SI	E SE SE FEET FR	OM QUARTER: FROM S	OUTH FROM	WEST				
	SECTION	N LINES:	60	2140				
Lease Name: HUMMINGBIF	RD	Well No: 1	-16H		Well will be 260	feet from nearest	unit or lease boundary.	
Operator U S ENER Name:	GY DEVELOPMENT CORPORAT	TION	Telephone: 71	66360401	OTC/	/OCC Number:	23402 0	
U S ENERGY DEVE 2350 N FOREST RD		COMMISSIONERS OF THE LAND OFFICE 120 NORTH ROBINSON SUITE 1000						
GETZVILLE,	NY 1406	8-1296		OKLAHON			126	
Formation(s) (Permit Name 1 MISSISSIPPI 2 3	Valid for Listed Formation	ns Only): Depth 2828	6 7 8	Name		Depth		
4			9					
5			10)				
Spacing Orders: 638107	Location Exception Or	on Exception Orders:			Increased Density Orders:			
Pending CD Numbers: 20150					Special Orders:			
Total Depth: 7780	Ground Elevation: 943	Surface Ca	asing: 500		Depth to base	e of Treatable Water-I	Bearing FM: 400	
Under Federal Jurisdiction: No		Fresh Water S	upply Well Drilled:	No	Surface Water used to Drill: Yes			
PIT 1 INFORMATION		Approved Method for disposal of Drilling Fluids:						

A. Evaporation/dewater and backfilling of reserve pit.

HORIZONTAL HOLE 1

Sec 16 Twp 20N Rge 8E County PAWNEE

Spot Location of End Point: NW NE NE NE Feet From: SOUTH 1/4 Section Line: 2400

Feet From: WEST 1/4 Section Line: 2140

Depth of Deviation: 2300
Radius of Turn: 600
Direction: 360
Total Length: 4537

Measured Total Depth: 7780

True Vertical Depth: 2900

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category Description

PENDING CD - 201500310 3/3/2015 - G76 - 16-20N-8E

X638107 MISS 1 WELL

NO OP. NAMED

REC. 2/9/2015 (P. PORTER)

PENDING CD - 201500471 3/27/2015 - G76 - (I.O.) 16-20N-8E

X638107 MISS, OTHER SHL NCT 200 FSL, NCT 500 FEL 1ST PERF NCT 200 FSL, NCT 500 FEL LAST PERF NCT 200 FNL, NCT 500 FEL

BHL NCT 200 FNL, NCT 500 FEL US ENERGY DEV. CORP. REC. 3/24/2015 (P. PORTER)

SPACING - 638107 3/27/2015 - G76 - (640) 16-20N-8E

EXT 623458 MISS, OTHER