API NUMBER: 117 23641

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:	03/16/2015
Expiration Date:	09/16/2015

## PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 20N Rge SPOT LOCATION: SE SE SE SW  Lease Name: JAGUAR	_	SOUTH FROM WEST 215 2590	Well will be 215 feet from nearest unit or lease boundary.
Operator U S ENERGY DEVELOPMENT Name:		Telephone: 7166360401	Well will be 215 feet from nearest unit or lease boundary.  OTC/OCC Number: 23402 0
U S ENERGY DEVELOPMENT CO 2350 N FOREST RD	RPORATION		EANN BAILEY
GETZVILLE, NY	14068-1296	TERLTON	OTERLTON ROAD OK 74081
Formation(s) (Permit Valid for Listed	Formations Only):	Name	Depth
1 MISSISSIPPI	2725	6	
2	2720	7	
3		8	
4		9	
5		10	
Spacing Orders: 621427	Location Exception	n Orders:	Increased Density Orders:
Pending CD Numbers: 201500241 201500906			Special Orders:
Total Depth: 7710 Ground Elevation		e Casing: 560	Depth to base of Treatable Water-Bearing FM: 460

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE A. Evaporation/dewater and backfilling of reserve pit.

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

A. Evaporation/dewater and backfilling of reserved and backfilling of res

Is depth to top of ground water greater than 10ft below base of pit?  $\,$  Y Within 1 mile of municipal water well?  $\,$  N

.....

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: VAMOOSA

## **HORIZONTAL HOLE 1**

Sec 26 Twp 20N Rge 8E County PAWNEE

Spot Location of End Point: NE NE NE NW
Feet From: SOUTH 1/4 Section Line: 2435
Feet From: WEST 1/4 Section Line: 2600

Depth of Deviation: 2230
Radius of Turn: 600
Direction: 360
Total Length: 4537

Measured Total Depth: 7710

True Vertical Depth: 2830

End Point Location from Lease,
Unit, or Property Line: 205

Notes:

Category Description

BOTTOM HOLE LOCATION 3/6/2015 - G76 - 2435' FSL, 2600' FWL PER OPERATOR

PENDING CD - 201500241 3/3/2015 - G76 - 26-20N-8E

X621427 MISS 2 WELLS NO OP. NAMED

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

PENDING CD - 201500906 3/16/2015 - G76 - (I.O.) 26-20N-8E

X621427 MISS

SHL NCT 200 FSL, NCT 2000 FWL 1ST PERF NCT 200 FSL, NCT 2000 FWL LAST PERF NCT 200 FNL, NCT 2000 FWL BHL NCT 200 FNL, NCT 2000 FWL

US ENERGY DEV. CORP. REC. 3/13/2015 (NORRIS)

SPACING - 621427 3/3/2015 - G76 - (640/40) 26-20N-8E

(40) EST OTHERS (640) EST MISS, OTHER

SURFACE LOCATION 3/6/2015 - G76 - 215' FSL, 2590' FWL PER OPERATOR

Sec. 26-20N-8E I.M.

## Well Location Plat

Operator: U.S. ENERGY DEVELOPMENT CORP

Lease Name and No.: JAGUAR #2-26H

Footage: 215' FSL - 2590' FWL GR. ELEVATION: 805' Good Site? YES

Section: 26 Township: 20N Range: 8E

County: Pawnee State of Oklahoma

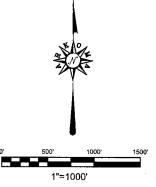
Alternate Loc.: N/A

Terrain at Loc. : Location fell in hilly, rocky, wooded area. ± 185' North of E-W fence.

Accessibility: From the South.

Directions: From the junction of State Highway 48 and State Highway 51 in Mannford, OK, go 3.5 miles North on HWY 48 to "EW 58 Rd.", go 1.3 miles West on "EW 58 Rd."

to 700ft South of Southwest Corner of Section 26-20N-8E.



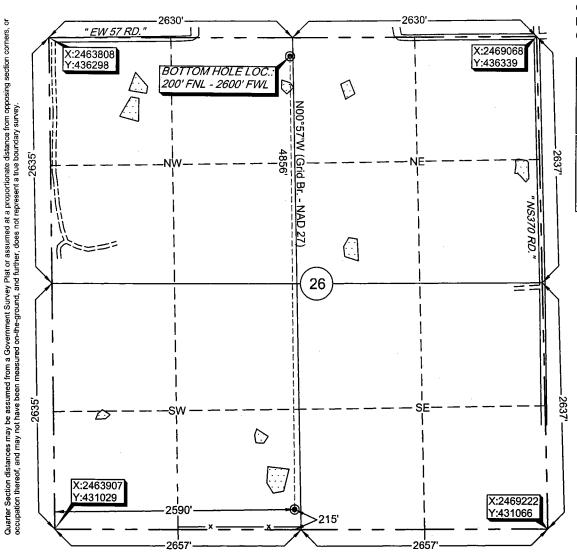
**GPS DATUM** NAD - 27 **OK NORTH ZONE** 

Surface Hole Loc .: Lat: 36°10'27.57"N Lon: 96°25'09.86"W X: 2466493 Y: 431262

Bottom Hole Loc.: Lat: 36°11'15.60"N Lon: 96°25'09.88"W X: 2466412 Y: 436118

NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed GPS data is observed from RTK - GPS contact Arkoma Surveying and Mapping promptly if any

staked on the ground under the ional Land Surveyor, but the accuracy



survey and plat by,

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348 Expires June 30, 2016

Invoice #5312-A

Date Staked: 02/17/15 By: C.K.

Date Drawn: 02/18/15 By: T.S.

Rev. SHL & BHL: 03/05/15

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

03/05/15 STAN DRANNON **OK LPLS 1672** 

