

# DRILLING REPORT

**NEW GULF ENERGY**  
 6310 E. 102<sup>nd</sup> Street  
 Tulsa, Oklahoma 74137  
 Office (918) 728-3020

**# 1 GRASSLANDS**  
 1255' FEL 815'FNL  
 Section 8-T12S-R32W  
 Logan County, Kansas

Drilling Contractor: VAL DRILLING RIG 4 (620-617-2793)  
 Larry Hinderliter 620-804-0097 Toolpusher

Geologist: Curtis Covey 316-258-9976 /  
 Joe Baker 316-253-9696  
 Comparison Well: New Gulf Energy

Elevation: **GL 3009 KB 3019**

API # 15-109-21031

**# 1 RACETTE**  
 10-12S-32W

New Gulf Rep : Danny Birdwell 432-940-6680/ Engineer JoJo Birdwell 432-634-0773/Jim Henkle 620-617-2868

	SAMPLE TOPS	DATUM		SHOWS
ANHYDRITE	2541	+478	+12	
BASE ANHYDRITE	2564	+465	+13	
STOTLER	3622	-603	+17	
TOPEKA	3752	-733	+13	
HEEBNER	3976	-957	+15	
	4027	-1008	+4	D- Zn 4074-80 Staining E-F Zn 4085-95 Show Free Oil, Fluorescence, Few Gas Bubbs, Odor, Dk Brn Stain DST # 1
LANSING				
MUNCIE CREEK	No Pick			
STARK	No Pick			
BKC	4330	-1311	-5	
PAWNEE	4454	-1435	-1	
CHEROKEE SHALE	4535	-1516	-2	
JOHNSON	4568	-1549	-4	Ls Tan Vuggy, CrytoxIn, Fossil Porosity, Good Odor, Fluor. Free Oil, Gas Bubbs, Lt Brn Stain Pos Cut/ Resid Pos Acid Resid DST # 2
MORROW	4606	-1587	-13	
MISS	4635	-1616	-24	
RTD	4720	-1701		
LTD				

9/7/11 Spud  
 9/8/11 251'  
 9/9/11 1415'

9/10/11 2420'  
9/11/11 3080'  
9/12/11 3545'  
9/13/11 4040' DST # 1 Lansing D-E-F  
9/14/11 4126' Drilling ahead

DST # 1 Lansing D,E,F (interval 49'-99' in the Lansing)

4074-4126

30-45-60-90

**Recovery: 690' Mud Cut Water (2% Mud 98% Water) gas bubbles in water**

IFP: Strong OBB in 11 min

FFP: Strong OBB in 14 min

IFP/FFP: 23-134/147-327#

ISP/FSP: 1137/1137# BHT: 120 deg

9/15/11 4383' working on mud pump

9/16/11 Dst #2 4530-4600 Johnson Zone

DST # 2 Johnson

4530-4600

30-45-30-45

IFP: OBB in 2 Min

ISP: No Blow

FFP: OBB in 2:15 Min

FSP: No Blow

**Recovery: 3' Clean Oil, 2103' Oil Cut Muddy Water (5% Oil ,65% Mud,30% Mud)**

IFP/FFP: 93-684/700-956#

ISP/FSP: 1098/1088#

IHP/FHP: 2207/2206# Temp: 130 deg

9/17/11 RTD 4720' Should have logs by noon