

DRILLING REPORT

NEW GULF ENERGY

6310 E. 102nd Street
Tulsa, Oklahoma 74137
Office (918) 728-3020

2 SHEETZ

1952' FSL 1094'FWL
Section 16-T12S-R32W
Logan County, Kansas

Elevation: **GL 2974 KB 2984**

API # 15-109-21055

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

Well-site Geologist: Steven P. Murphy 620-639-3030
New Gulf Geologist: Joe Baker 316-253-9696 (cell)
316-733-5826 (home)

Reference Well : **New Gulf Energy**
1 Sheetz KB 3003
470'FSL 356'FEL
16-12S-32W
Logan Co., Kansas

New Gulf Drilling Supervisor: Jim Henkle 620-617-2868

	TOPS	DATUM	Reference Well
ANHYDRITE	2500	484	-5
BASE ANHYDRITE	2522	462	-5
STOTLER	3596	-612	1
TOPEKA	3722	-738	1
HEEBNER	3942	-958	-1
LANSING	3984	-1000	3
MUNCIE CREEK	4125	-1141	4
STARK	4210	-1226	1
BKC	4277	-1293	2
MARMATON	4312	-1328	1
FT SCOTT	4463	-1479	6
CHEROKEE	4489	-1505	6
JOHNSON	4520	-1536	9
MORROW SHALE	4551	-1567	16
MORROW SAND	4570	-1586	
MISS	4596	-1612	1
RTD	4675	-1591	
LTD	4674	-1690	

12/27 Move Rig Shut down
1/2/12 Spud : Set Surface: 6 Jts New 24# 8 5/8" Tally 241.60
Set @ 253' cement w/ 180 Sxs Common 3% CC 2% gel
Cement Did Circulate
1/3/12 660'

1/4/12 2110' Drilling Ahead
1/5/12 3170'
1/6/12 3875' Bit Trip
1/7/12 4200' CFS in the Lansing" I" zone DST # 1
1/8/12 4255' Drilling in the lower Lansing
1/9/12 4520' Short Trip prior to cutting Johnson
1/10/12 4625' Drilling Miss
1/11/12 4675 RTD Run Casing

DST # 1 Lansing I & J

4180-4216

30-45-60-90

1st Open: Building to 10"

1st Shut In: No Blow Back

2nd Open: Weak 2" Decreasing to 1 "

2nd Shut In: No Blow Back

Recovery:

90' Gas In Pipe

30' Clean Gassy Oil (10% Gas, 90% Oil) 37 Gravity @ 60 degrees

260 ' Water (Chlorides 30,000 ppm System Chlorides 2000 ppm)

TOTAL FLUID RECOVERY: 290' in drill pipe

IFP/FFP: 32-72#/81-134#

ISP/FSP: 1276/1282#

IHP/FHP: 2048/2023#

DST # 1 Johnson

4514-4560

Packer Failure: Miss Run

SHOWS:

LANSING

4040 - Ls crm-tan, oolitic-fair interxln/vuggy porosity ,ssfo, stain ,fr odor

4084- Ls crm-tan, mostly dense, rare pinpt por, ssfo, spotty stn, sl odor

4102- Ls crm-tan fnxln, rare pnpt por, v spotty stain.sl odor

4142-45(H) Ls crm-brn/gry vfnxln-dns, rare oolic w/ interool por, nsfo,sl stn, sl odor

4168 (I) Ls crm-brn fnxln, mostly dns, rare poor internln por, vssfo on bk, min edge stn, sl odor Dst #1

4192-95 (J) Ls crm-gry,fnxln-foss, oolitic in pt,gd vuggy por, fsfo,gd sat stn, str odor Dst # 1

4222-26 (K) Ls crm chaly, pr interxln por, sso@ brk, sl odor, sl resid stn

JOHNSON

4532-42 (Upper Johnson) Ls crm fnxln sl chalky, gd interxln-vuggy por, GSFO, sat even stn, strong odor

4553-59 (Lower Johnson) Ls tan, mostly barren, rare inter-vug por, ssfo,spotty stn, fr odor