

DRILLING REPORT

NEW GULF ENERGY

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

1 ZIMMERMAN

1570' FSL 1370' FEL
Section 15-T12S-R32W
Logan County, Kansas

Elevation: **GL 2969 KB 2979**

API # 15-109-21072

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)

New Gulf Drilling Supervisor: Danny Birdwell 432-940-6680

	1 ZIMMERMAN E-LOG TOPS	# 1 RACETTE E-LOG TOPS	NEW GULF #1 RACETTE 2045 FNL 917 FWL 10-12S-32W
ANHYDRITE	2517 +462	2546 +476	-14
BASE ANHYDRITE	2540 +439	2570 +452	-15
STOTLER	3623 (-644)	3642 -620	-22
TOPEKA	3750 (-771)	3768 -746	-25
HEEBNER	3977 (-998)	3993 -971	-27
TORONTO	4000 (-1021)	4021 -999	-22
LANSING	4027 (-1048)	4034 -1012	-36
MUNCIE CREEK	4166 (-1187)	4173 -1151	-36
STARK	4248 (-1269)	4254 -1232	-37
BKC	4308 (-1329)	4324 -1302	-27
MARMATON	4347 (-1368)	4360 -1338	-30
PAWNEE	4448 (-1469)	4456 -1434	-35
FT SCOTT	4500 (-1521)	4510 -1488	-33
CHEROKEE	4525 (-1546)	4536 -1514	-32
JOHNSON	4562 (-1583)	4567 -1545	-38
MORROW SHALE	4599 (-1620)	4596 -1574	-46
MORROW SD	absent		
MISS	4630 (-1651)	4610 -1588	-63
RTD	4701 (-1722)	4700 -1696	
LTD	4704 (-1725)	4706 -1702	

2/27/12 Move In Set 6 Jts 8 5/8 24# @ 253' w 220sx/cement did circulate
2/28/12 253' WOC
2/29/12 1585'
3/1/12 2775'
3/2/12 3480'
3/3/12 3965'

3/4/12 4210'
3/5/12 4395'
3/6/12 4590'
3/7/12 4685'
3/8/12 4701' RTD

SHOWS:

Lansing C 4090': VSSO@ break, spotty stn, sl odor (Poor)
Lansing E/F 4120 VSSO, rare stn, no odor, Stn (Poor)
Lansing H 4180' VSSO, spty stn, lt odor (Poor)
Lansing I 4200, Minor edge stn (Poor)
Johnson 4580 FSFO, gd odor ,even sat stn (Fair)

DST #1 Lansing I

4158-4210
10-30-15-45
1st Open: Weak blow died in 3 min.
No Blow on 2nd open/No blow on shut ins
Rec: 10' Mud
IFP/FFP: 30-31/31-35#
ISP/FSP: 1261/1319#
IHP/FHP: 2000/1977# BHT: 110 deg F

DST #2 Base Myric Station- Top of Johnson

4493-4566
10-30-15-45
1st Open: Weak 1/8"
2nd Open: No blow, flushed no blow
Rec: 10' Mud
IFP/FFP: 31-32/31-34#
ISP/FSP: 77/66#
IHP/FHP: 2174/2149# BHT: 114 deg F

DST #3 Johnson

4522-4590
30-45-10-60
1st Open: Weak 1/2" Blow
2nd Open: No Blow
Rec: 5' Oil Sptd Mud (5% Oil,95% Mud)
IFP/FFP: 8-10/10-11#
ISP/FSP: 855/752#
IHP/FHP: 2168/2166# BHT 115 deg F

DST #4 Lansing A,B,C (Straddle)

4014-4092
15-45-15-60
1st Open: Strong OBB in 1/1/4 min No Blow Back
2nd Open: Strong OBB in 21'2 min No Blow
Rec: 1116' MW (95% Wtr,5% Mud)
124' MW (80% Wtr, 20% Mud)
310' Mud
Total Fluid: 1550'
IFP/FFP: 152-469/ 504-729 #
ISP/FSP: 1237/1236#
IHP/FHP: 1944/1940# BHT 115 deg Recovery RW .29@ 60 deg 28,000 ppm