

Petrophysical Summary

Gulf Federal Com 4
LOG ANALYSIS

INPUT AND ANALYSIS BY BRIAN DAVIS

Well #	Field	Measured Depth		GROSS INTV	ZONE	VSH<.4 PHIE>.13 SWE<.65		
		Top	Bottom			PAY SAND	PHIE	Weight SWE
		(F)	(F)					
Gulf Federal Com 4	30015325600000	3982	5019.5	1037.5	Injection	599.5	0.120	0.474

Notes:

- 1 Modified Simandoux model ran on zones
- 2 Rw set to 0.036 Ohm-m at FT
- 3 Rt from induction log AO90 curve
- 4 Sand cutoff VSH<.4
- 5 Res sand cutoff VSH<.4 PHIE>.13 SWE<.65
- 6 Pay sand cutoff VSH<.4 PHIE>.13
- 7 Porosity on 2.65 matrix with density as porosity
- 8 Vshale from GR with Steiber correction applied
- 9 A=1,M=1.8,N=2

OCD Case No. 15322
KEY ENERGY
Exhibit #34