

LATIGO PETROLEUM INC

Federal "A" Lease

Comparison of Data From the Federal "A" 13 No 2 and Federal "A" No 5

<u>Lease & Well</u>	<u>Federal "A" 13 No 2</u>	<u>Federal "A" No 5</u>	<u>Difference</u>	<u>% Difference</u>
<u>Produced Water (PPM):</u>				
Specific Gravity	1.16	1.18	0.0262	2.21
Bicarbonate as HCO ₃	720	549	171	31.1
Total Hardness as CaCO ₃	22,500	24,500	2000	8.16
Calcium as Ca	6,600	7,000	400	5.71
Magnesium as Mg	1,458	1,701	243	14.3
Sodium and/or Potassium	91,963	113,056	21,093	18.7
Sulphate as SO ₄	1,525	1,470	55	3.7
Chloride as Cl	156,200	190,280	34,080	17.9
Iron As Fe	17.8	31.6	13.8	43.7
H ₂ S in Produced Water	21.0	5.0	16.0	320.0
Total Solids	258,465	314,056	55,591	17.7
Restivity ohm/mt	0.050	0.045	0.005	11.1
<u>Produced Gas PPM:</u>				
H ₂ S in Gas Stream (PPM)	12,802	2,188	10,614	485.1
<u>Gas Analysis:</u>				
H ₂ S	1.264	0.219	1.045	477.2
N ₂	8.827	9.272	0.445	4.8
CO ₂	12.111	12.424	0.313	2.5
Methane	65.155	65.514	0.359	0.5
Ethane	6.992	6.903	0.089	1.3
Propane	3.415	3.416	0.001	0.0
Isobutane	0.398	0.406	0.008	2.0
n-Butane	0.915	0.903	0.012	1.3
Isopentane	0.229	0.243	0.014	5.8
n-Pentane	0.209	0.233	0.024	10.3
Hexanes+	0.485	0.467	0.018	3.9
Total	100.000	100.000	0.000	0.0
BTU Dry	956.000	963.000	7.000	0.7
P _g	0.819	0.817	0.002	0.2
Bottom Hole Pressure (psig)	448.49	488.75	40	8.2
Date of First Production	8/1/1986	11/5/2004		
Average Current Rate MCFD	200	230		
Cumulative MCF to Date	1,167,949	14,867		
Estimated Remaning MCF	532,057	247,431		
Est Ultimate Recovery (MCF)	1,700,006	262,298		
Drainage Area (Ac)	73.8	11.4		
Drainage Radius (Ft)	1012	398		