

DRILLING REPORT

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Martha "AIK" Federal #1 11-122-512 Bldg Co., Ltd

2-1-91 SITP 400#. Bled well down. Initial fluid level 3600'. Swabbed back 23 bbls fluid - dry to seating nipple. Made hourly runs thereafter:

TIME	TOTAL BBLs	OIL	WATER
10:30	2	1	1
11:30	2	1	1
12:30	1-1/2	3/4	3/4
1:30	2	1	1
2:30	1-1/2	3/4	3/4
3:30	2	1	1
4:30	2	1	1
5:30	2	1	1

Total fluid recovery for day 18 bbls oil + 20 bbls water. Shut in overnight. Prep to frac. This AM (2-1-91) - SITP 375#. DC \$1850; CC \$15,819

WATER ANALYSIS: 1-31-91

Water
Analysis

	AM	PM
Spec Gravity	1.179 @ 76	1.185 @ 72
Resistivity	.045 @ 76	.040 @ 70
pH	6.2	6.5
Iron	75	100
Sulfates	250	422
Calcium	23748	23,291
Bicarbonate	113	278
Magnesium	3297	4101
Chlorides	139949	145148
Sod & Pot	57433	--

REMARKS: No KCL, 37% oil in sample

2-2-91 Frac'd perfs 7960-8015' with 5000 gals gelled crosslinked 2% KCL water + 9000# 20/40 sand. Treating Pressures: Max 2000#, Min 1300#, Avg 1800# at 5 BPM. ISDP 1100#, 15 mins 900#. Shut in overnight. Prep to swab. DC \$6289; CC \$22,108

2-3-91 SITP 0#. Initial fluid level 200'. Swabbed back 195 bbls fluid total (182 bbls water + 13 bbls oil). At end of day oil cut = 15% with good show of gas on swab. Fluid level 3000'. Recovered 14 bbls water over load. Shut in overnight. Prep to run pump and rods. DC \$1850; CC \$23,958

2-4-91 Released packer. TOH with tubing and packer. TIH with bull plugged mud joint, perf sub, seating nipple at 7828', 5 joints 2-7/8" tubing and 237 joints 2-7/8" tubing. Nippled up wellhead. TIH with pump and rods. Hung well on pump. Turned to production. DC \$2300; CC \$26,258

Pumped 56 bbls oil and 193 bbls water in 13 hours. Fluid level 1543'.

2-5-91 Pumped 95 bbls oil and 266 bbls water. Fluid level 1165'.

2-6-91 Pumped 92 bbls oil and 216 bbls water. Fluid level at surface.

2-7-91 Pumped 78 bbls oil, 138 bbls water and 34 MCF in 17 hours. Fluid level 2299'.

2-8-91 Pumped 100 bbls oil, 147 bbls water and 103 MCF. Fluid level 3276'.

2-9-91 Pumped 98 bbls oil, 180 bbls water and 147 MCF. Fluid level 6300'.

2-10-91 Pumped 67 bbls oil, 171 bbls water and 116 MCF. Fluid level 7402'