

## Completion Procedure

### **Hamon "A" Federal Com #1**

Quail Ridge (Morrow) Field

1650' fst, 1980' ~~fst~~ **fel**

Section 7, T20S & R34E

Lea County, New Mexico

**Date:** March 17, 1999 **AFE No.:** 305699

**AFE Cost:**

**AFE Days:** Drilling: Completion: 10 **Actual Days:** Drilling: Completion:

**WI:** 33.33% **NRI:** 23.33%

**Purpose:** Abandon Morrow and Re-complete in 1" Bone Springs Sand

**Well Status:** Well currently dead

**Perforations:** 13,116' to 13,122' 2SPF (*Squeezed*) 13,357' to 13,362' 2SPF (*Squeezed*)  
13,196' to 13,198' 2SPF (*Squeezed*) 13,376' to 13,382' 2SPF (*Squeezed*)  
13,201' to 13,208' 2SPF (*Squeezed*) 13,547' to 13,550' 6 SPF (*Open*)  
13,308' to 13,312' 2SPF (*Squeezed*) 13,550' to 13,557' 4 SPF (*Squeezed*)  
13,314' to 13,316' 2SPF (*Squeezed*) 13,627' to 13,636' 4 SPF (*Plugged Back*)

**Elevation:** TD: 13,690' PBD: 13,599' KB: 3,637' GL: 3614'

**Surface Casing:** 13 3/8" 48# K-55 ST&C, set at 412'. Cemented with 320 sx Class "C" + 2% CaCl<sub>2</sub> (Total 432 ft<sup>3</sup>). Cement Circulated.

**Intermediate:** 8 5/8" 24#, 28#, 32#, S-80 & K-55. Set @ 5,200'. Cemented in two stages. 1st stage w/350 sx Class "C" + 5# Gilsontite followed 300 sx Class "C". (circ. not known) 2nd stage cemented w/2500 sx Class "C" foamed w/N<sub>2</sub> followed by 100 sx "C" neat. Circulated 100 sx to surface. (DV @ 3,884')

**Production:** 5 1/2" 17# S-95/N-80/S-95, 3102'/8427'/12168'. Set at 13,690'. Stage Tool at 9,751'. 1st stage cemented with 500 sx Class "H" + 0.4% Gas-Stop. (Did not circulate off tool) 2nd stage cemented with 250 sx Class "H". Estimated cement tops (CBL) 1st stage: 11,560', 2nd Stage: 9,270'

<b>Casing:</b>	<u>Grade &amp; Wt.</u>	<u>I.D.</u>	<u>Drift I.D.</u>	<u>Burst</u>	<u>Collapse</u>
	N-80 17#	4.892"	4.653"	7740 psi	6280 psi
	S-95 17#	4.892"	4.653"	9190 psi	6930 psi

<b>Tubing:</b>	<u>Size &amp; Wt.</u>	<u>I.D.</u>	<u>Drift I.D.</u>	<u>Burst</u>	<u>Collapse</u>
	2 7/8" 6.5#	2.441'	2.347"	10,570 psi	11,160 psi
	3 1/2" 9.3#	2.992'	2.867"	10,160 psi	10,530 psi

**Wellhead:** 6" 1500 Series

**Pressure Info:** Bone Springs (9,434' to 9,516') Est. BHP = ± 2,000 psi  
Morrow (13,547' to 13,550') Est. BHP = ± 2,000 psi

**Safety:** Run enough tubing to act as a killstring if needed, Install H2S monitoring alarm and rescue equipment.

### PROCEDURE:

1. Test safety anchors to 22,500 lbs if necessary.
2. MIRU pulling unit
3. Kill well as necessary.
4. ND Wellhead

JRE 3/17/1999