



MYCO INDUSTRIES, INC.

Oil Producers

ARTESIA, NEW MEXICO 88210

YATES BLDG. - 207 SOUTH 4TH
PHONE: (505) 746-3558

April 12, 1986

Bureau of Land Management
P.O. Box 1778
Carlsbad, NM 88220
Attention: Pete Hines

Dear Pete,

Enclosed is a detailed sketch and report on plugging the Boulter Federal # 1. We developed some problems due to the corroded condition of the 7" casing. The casing collapsed and stuck 1400 feet of tubing in the hole at the bottom of the salt. It would have done no good to try and squeeze each zone as indicated by the original approved procedure. The cement would have channeled up the annulus and into the 7" casing through the first holes it came to. We did the best we could under the circumstances.

Sincerely,

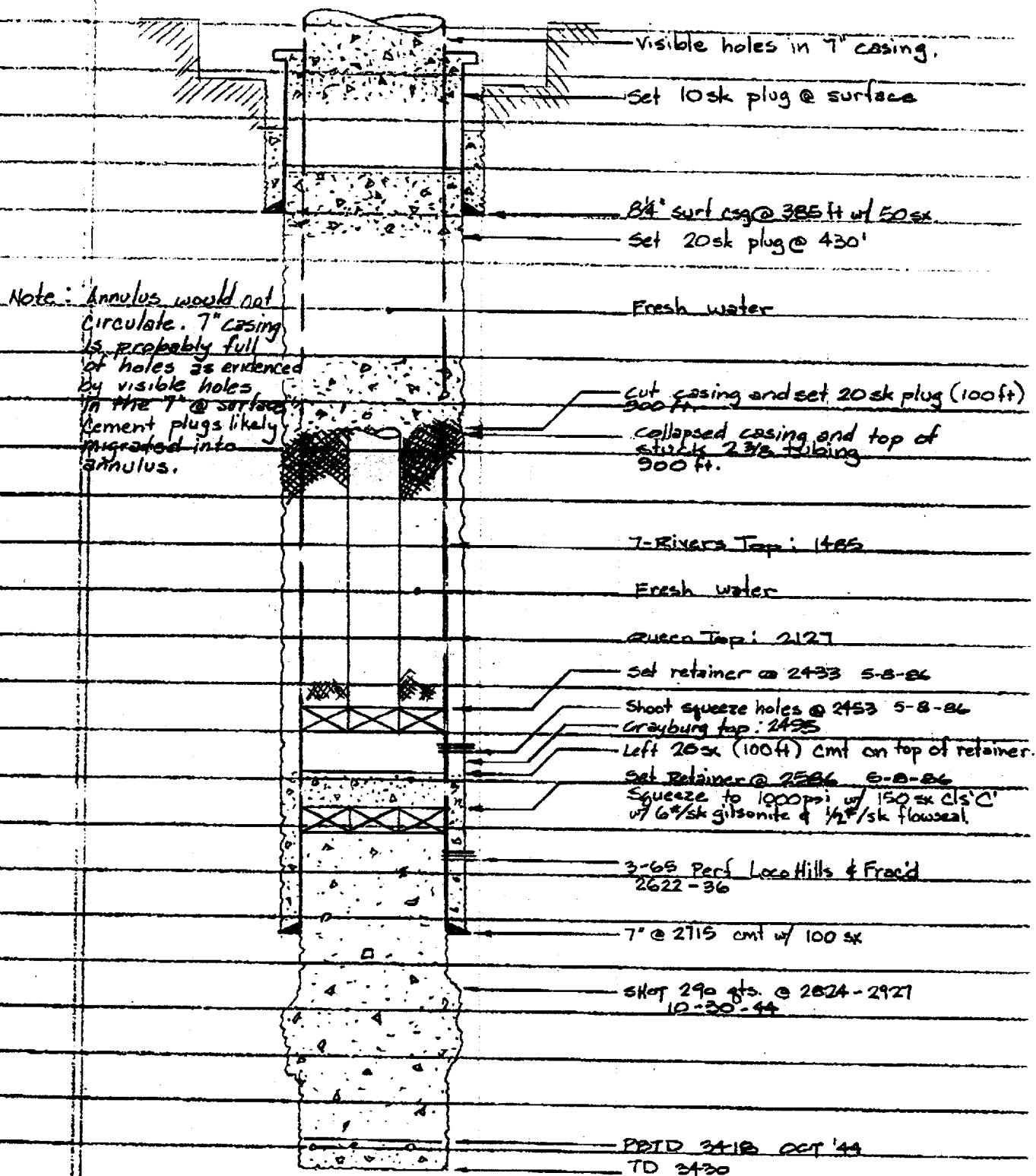
Frank Yates, Jr.
Frank Yates, Jr.

FYjr/mlh

Enclosures

Boulter Fed #1
 Operator: Martin Yates III
 330 ENL 2310 P.W.L. 514-T185-R29E

P/A 5-9-86
 207 s. 4th ST. Artesia NM 88210



(ANY _____
 LEASE & WELL NO. _____
 FORMATION _____
 COUNTY & STATE _____



CARDINAL SURVEYS COMPANY
 "FLUID MOVEMENT SPECIALISTS"

P. O. BOX 74 BUS. (915) 683-8667
 MIDLAND, TX 79702 563-4017

May 8 1986
 Boulder Fed #1

- Rig up Monument
- TOH w/ approx. 106 rods, 12' pump & polish rod.
- Hook up Haliburton & pump 80 bbls fresh water down tubing.
- TOH w/ 67 ft (2683 ft) 2 3/8" tubing, sty nipple, perf sub, & 6 ft mud anchor.
- RU Pango & GTH on wireline and set HowCO 7 5/8" cement squeeze retainer at 2586.
- TTH w/ tubing, sting into retainer, RU Haliburton and squeeze loco hills perforations (2622-36) and shot hole (2715-3418) with 170 gr ds 'C' w/ 6#/sk gilsanite & 1/2#/sk floeal.
- Squeeze to 1000 psi. pull up & leave 20 gr (100 ft) of cmt on top of retainer & TOH.
- GTH w/ wireline & 4" HSC gun & shoot 4- 1/2" squeeze holes at 2453.
- GTH w/ cmt squeeze retainer & set at 2433.
- TTH just above retainer & lead hole.
- Sting into retainer and try to circulate annulus.
- Annulus would not circulate. 7" csg full of holes.
- Shut down. prep to cement in AM.

CONVERSION FACTORS

MULTIPLY	By	TO OBTAIN
Barrels	5.6148	Cubic Feet
Cubic Feet	7.4806	Gallons
Gallons	0.1337	Cubic Feet
Pounds/gal.	7.4806	Pounds/Cu. Ft.

PIPE VOLUMES

0.00545 x I.D. ² in inches	= Cu. Ft./Ft.
0.0407 x I.D. ² in inches	= Gals./Ft.
0.00097 x I.D. ² in inches	= Bbls./Ft.

HYDROSTATIC PRESSURE

FOR WATER:	
0.434 x Depth in Feet	= PSI.
FOR OTHER FLUIDS:	
0.434 x Depth x Sp. Gr.	= PSI.

May 9, 1986

Boulter Fed # 1

Martin Yates III : OPERATOR

- R U Haliburton. Try to establish rate thru retainer.
- Could not pump. Pressure to 2000 psi still couldn't pump.
- Try to pull out of retainer. Tubing stuck.
- W/H w/ tubing gun & shot squeeze hole @ 2436 just above the retainer. Still could not circulate.
- W/H w/ free point down tubing. Tubing paraffined up. Couldn't get in hole w/ tools.
- Calculated free point from tubing stretch to be about 875 ft. Apparent casing collapse in the bottom of the salt.
- Ran paraffin knife on sand line to 1200 ft.
- W/H on wireline w/ tubing cutter and cut tubing at 1000 ft. Tubing was still stuck.
- Cut tubing at 900' and worked free.
- Spotted 20 sx 'C' neat (100 ft plug) at 900'.
- Pulled up to 430 ft & spotted 20 sx 'C' neat (100 ft plug).
- Spotted 10 sx 'C' neat at surface.