

# COMPLETION REPORT

MARCH NO. 1-12

Location: 150' S of C NW NE  
12-33S-34W, Seward Co., Ks.

December 23, 1970

Ran open hole log to driller's T.D. - 4,410'. Laid down drillpipe & ran 141 jts. 5½" csg.; total pipe - 4,426'; set @ 4,409' - 1' off bottom. Shoe jt. - 7', float collar @ 4,402'; cemented w/100 sx. SS common cement w/12½# Gilsonite/sack. Plugged down @ 9:00 A.M. 12/24/70.

February 8, 1971

Moved in double drum unit & rigged up.

February 9, 1971

Ran 138 jts. 2-3/8" tbg. w/abrasijet tool. Welox spotted tool @ 4,231'. Lowered tbg. 1', cut notch in csg. @ 4,232' w/3,000# sand @ 3,000# pressure. Washed notch w/250 gal. 15% acid. Then shut wellhead in & displaced 250 gal. 15% acid into formation. Formation broke down & started feeding @ 1,600#. Speeded up pump to 4½ bbls./min. ; instant shutdown, pressure -500#. On vacuum in 1 min. Shut in for night.

February 10, 1971

Pulled 2-3/8" tbg. & jet tool. Put on hookwall packer KV30 & ran tbg. back in hole. Ran 137 jts. 2-3/8" tbg., packer; and 1- 2', 1- 8' and 1- 10' 2-3/8" tbg. subs. Set packer @ 4,226'. Rigged up tbg. swab. Hit fluid @ 1,800' down. Swabbed well in. Started flowing into pit @ 1:30 P.M. Flowed well to pit 'til 3:30 P.M. Hooked up to gas separator. At 6:00 P.M., gas gauged 971 MCF; flowing oil & water. Water sample showed some acid still coming back. Chlorides - 127,000 ppm; Specific gravity - 1.135.

February 11, 1971

Gas gauged 1,070 - 1,140 MCF. Total fluid/hr. - 5.92 bbls. Started test @ 10:00 A.M.: 2 hr. test - 10.36 total fluid, 2.96 water, 7.40 oil;  
4 " " 23.68 " " 9.69 "(46%) 14.00 " (60%).

February 12, 1971

14 hr. overnight test w/150# back pressure: 77.70 T.F., 36.26 wtr.(46%), & 41.44 oil (54%). Venting 1,140 MCF gas. Water check: chlorides 124,000 ppm; Ph. 5.0; specific gravity 1.155.

From 9:00 A.M. - 1:00 P.M. 2/12/71 (4 hr. test): 20.86 T.F., 9.69 wtr.(46%), 11.17 oil (54%); per hour - 5.21/hr.

Hooked up flow line from 90 bbl. tank to 500 bbl. tank. Increased back pressure from 150# to 350#. Gas venting - 1¼#. Finished hookup - 5:30 P.M. Started test 5:30 P.M. 2/12.

February 13, 1971

next pg.

Feb. 13, 1971

Test ended @ 1:30 P.M. 2/13: (20 hr. test) 82.01 T.F., 46.03 oil, 35.98 wtr. Gas venting - 1 $\frac{1}{2}$ #; back pressure on line - 350#; water sample - 1.150 sp.gr., Ph.-5.0, chlorides 118,000 ppm, density 9.58#/gal.

Started test @ 2:00 P.M. 2/13.

February 14, 1971

22 hr. test ended @ 12:00 P.M. 2/14: 80.05 T.F., 40.04 oil, 40.01 wtr.; gas venting - 1 $\frac{1}{2}$ # w/350# back pressure. Producing @ 3.63 bbls./hr. T.F. Shut well in @ 12:00 P.M. to get shutin pressure. Well pressured up to 650#/10 min. & up to 865# overnite.

February 15, 1971

Opened well up - flowed 23.00 T.F./5 hrs. from 8:00 A.M. 'til 1:00 P.M.; 10 bbls. wtr. & 13 bbls. oil. Got ready & acidized w/1,500 gal. 15% acid; max. pressure - 1,575# @ 4 $\frac{1}{2}$  bbls./min. Instant shutdown - pressure 1,000#; on vacuum/3 min. Total load to recover - 64 bbls. Rigged up swab & swabbed in well. Drew off 16 bbls. wtr. while swabbing well in. At 5:30 P.M., swabbed & flowed back 68 bbls.; 4 bbls. over load.

February 16, 1971

From 6:00 P.M. 2/15 to 8:00 A.M. 2/16 (14 hr. test): flowed 183 bbls. T.F.: 74.4 bbls. oil & 108.8 wtr.

From 10:00 A.M. - 4:00 P.M. (6 hr. test): flowed 7.7 bbls. oil & 14.8 wtr: 65% wtr. & 35% oil. Holding 350# B.P. on vent line. Venting - 1-3/4# gas.

February 17, 1971

14 hr. overnite test: 84.8 bbls. T.F., 36.9 bbls. oil (45%), 47.9 wtr. (55%); avg. - 6 bbls./hr. T.F.

Released packer & pulled tbg. Perforated from 4,214' - 16' w/2 holes/ft. w/D.P. chgs. Picked up straddle packers & started in hole. Had to dump load water to kill well.

February 18, 1971

Finished running tbg. in hole. Set lower packer @ 4,224' & upper packer @ 4,209'. Acidized w/500 gal. 15% acid; maximum press. 1,400#. Treated @ 3 $\frac{1}{2}$  bbls./min. Instant shutdown - press. 400#; on vacuum/2 min. Total load to recover - 28 bbls. Rigged up swab & started swabbing hole down. Stranded sand line. Put splice in sand line & kicked well off. Hooked well through separator @ 6:00 P.M.

February 19, 1971

19 hr. overnite test: flowed & swabbed 153.6 bbls. T.F.; 68.4 oil & 85.2 wtr. including 12 bbls. acid water. It looks like, at this time, well is making about 50% water and oil. Flowing @ 7.00 bbls./hr. T.F. Gas venting @ 1# w/360# B.P. on wellhead.

February 20, 1971

17 hr. test:	98.60 bbls. oil	15% water
	15.20 bbls. water	Venting - 1 1/2# gas w/300# B.P. on well
	113.80 T.F.	

February 21, 1971

24 hr. test:	104 bbls. oil	24% water
	36.80 water	Venting - 1 1/2# gas w/300# B.P. on well
	140.80 T.F. -Avg. 5.8 bbls./hr. T.F.	

February 22, 1971

Shut well in - snowstorm.

February 23, 1971

Dozer opened up roads to location.

February 24, 1971

Started up. Killed well with 60 bbls. salt water. Pulled tbg. & packers. Took off top packer & replaced w/hydraulic holddown above bottom packer. Blunked off tbg. above holddown. Ran tbg. & set packer @ 4,222' w/tbg. hold-down @ 4,219'; perforated nipple 3' long from 4,216-19'. Perforations in csg. @ 4,214-16'; notch in csg. @ 4,232'; shut off below packer. Tried to swab well in; tbg. parafined up. Shutdown for nite.

February 25, 1971

Hot oil tbg. Started swabbing water back @ 5:00 P.M. Well started kicking back; well had 590# on csg. Shutin for nite.

February 26, 1971

Tubing had 900# next morning. Opened up & flowed into pit. Tore down rig & moved out.

February 27, 1971

Hauled out 150 bbls. oil. Staked out tank grade & well grade. Dozer started building same.

March 1, 1971

Moved in 3 stock tanks & gas package unit from Rustman No. 1.

March 2, 1971

Moved in 4' x 21 B.S.&B. Heater Treater.

March 3, 1971

Working on completion hookup.

s/M.D.Sullivan