

DUGAN PRODUCTION CORP.

July Jubilee #2

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- 4-6-82 Fluid level 2800' from surface - swab down. No sign of oil. Small show of gas. Wait 30 min. 100' fluid came in hole. Swab down. Small show of oil and gas. Wait 30 min. 100' fluid came in hole. Swab down. Small show of oil & gas. Wait 30 min. 50' fluid came in hole. Swab down. P.O.H. with packer .
- 4-7-82 Rig up Jetronics. Perforate Dakota as follows: 6102-08 (6 holes) 6260-70 (10 holes). Total 16 holes. T.I.H. with Baker 4½" Model "R" packer set at 6084' RKB. Swab tbg. down. Wait 30 min. 100' fluid came in hole. Small show of gas in front of fluid. Wait 30 min. 100' fluid came in hole. Small show of gas in front of fluid. Wait 30 min. 100' fluid came in hole. Small show of gas in front of fluid.
- 4-8-82 Fluid level 3500' from surface. Swab down. Small show of oil on 1st run. Show of gas in front of fluid on all runs. Move packer downhole to 6152'. Rig up Western Co. Treated perfs at 6260-70 and 6287-97 with 500 gals 15% HCL. Dropped 25 ball sealers. No action. Treated at 2100 psi. 1700 ISDP. Rig up on casing. Broke down perfs 6102-6108 with water. 2500 psi at 4.9 BPM. Flowed tbg. back. Rig down Western Co. Swab tbg. Unable to lower fluid under 1200' from bottom. Unseat packer. Pull up hole to 6084'. Set packer. Swab tbg. down to 2500'. Packer not holding. Casing on vacuum.
- 4-9-82 Fluid level 1600' from surface. Swab down to 500' from bottom. Fluid level staying at 500'. Making 200' fluid per hour. Shut well in.
- 4-10 &
4-11-82 Shut down - Easter weekend
- 4-12-82 Fluid level 2400' from top. Show of oil on 1st run. Swab down to 5000'. Fair show of gas in front of fluid on each run. T.O.H. with packer. Shut in.
- 4-13-82 Finish P.O.H. with tbg. Rig up Jetronics. Set Gearhart 4½" bridge plug at 6280'. Rig up Western Co. Frac Dakota perfs 6102-08, 6260-70 as follows:
- 5,000 gal Mini Max III-30 - pad
 - 3,000 gal Mini Max III-30 w/ 1# 20-40 sand
 - 3,000 gal Mini Max III-30 w/ 2# 20-40 sand
 - 5,000 gal Mini Max III-30 w/ 3# 20-40 sand
 - 4,074 gal slick water - flush
- Max treating press. 3600 psi
Min treating pressure 2900 psi
Ave treating pressure 3100 psi at 31 BPM
ISDP 2100 psi

(Cont.)

4-13-82 Dropped 10 ball sealers on 3# sand - good action
(Cont.)

Totals: 16,000 gals Mini Max III-30 gel
420 gal condensate
6 gal Aquaflo
32# B-5 breaker
8 gal x-cide
24,000# 20-40 sand

Shut well in for 4 hrs for gel to break.

Rig up Jetronics. Perforate Gallup as follows: 5112-22 (5 holes)
5134-44 (5 holes), 5162-68 (3 holes), 5202-12 (5 holes), 5224-34
(5 holes), 5238-44 (3 holes), 5280-86 (6 holes), 5289-95 (6 holes),
5318-28 (10 holes). Total 48 holes.

Rig up Western Co. Frac Gallup perfs as follows:

Spearhead 500 gal 15% HCL
5,000 gal slickwater - pad
4,998 gal slickwater w/ 1# 20-40 sand
49,980 gal slickwater w/ 1½# 20-40 sand
3,444 gal slickwater - flush

Dropped 30 Ball sealers during frac.

Totals: 75,000# 20-40 sand
66,866 gal slickwater
500 gal 15% HCL
94 gal Aquaflo
235# FR-2
½ gal I-15
30 RCN ball sealers

Max treating pressure 3600 psi
Min treating pressure 1700 psi
Ave treating pressure 2500 psi at 47 BPM

Left well shut in over night.

4-14-82 Opened well up - flowing back small stream of water. T.I.H.
with tubing and seating nipple. Tag sand at 5868'. Clean out sand
bridges to 6270'.

Land tubing as follows: 185 jts. 2-3/8" O.D., 4.7#, N-80, 8 RDEUE
tbgs. T.E. 6141.41' set at 6148' RKB. Seating nipple at 6114' RKB.
Does not have tbgs. hanger. Tbg. screwed into bottom tbgs. flange.
Nipple up well head. Left open to pit over night.