

DRILLING SUMMARY RECAP
NWP

San Juan 30-5 #59
NE SEC31 T30N R5W

August 14, 1977	Spud 12-1/4" hole at 1500 hours 8/13/77. Set 8-5/8" Csg @ 138' KB. Cemented with 85 sks. Circulated 6 Bbls cmt. Off report until MOL with rotary rig.
August 28, 1977	Present Operation: Drlg. Mud: 8.8#, 28 vis., 7.8 WL. Recap: 0° @ 680' TFB #2 @ 889'.
August 29, 1977	Present Operation: Drlg. Mud: 8.8#, 31 vis., 5.8 WL. Recap: 1/2° @ 1650'.
August 30, 1977	Present Operation: Drilling. Mud: 8.9#, 31 Vis, 6.4 WL. Recap: 1/2° @ 2357'.
August 31, 1977	Present Operation: Drlg. Mud: 9.0#, 32 vis, 5.2 WL. Recap: 3/4° @ 2730'.
September 1, 1977	Present Operation: Drlg. Mud: 9.2#, 35 vis, 8.4 WL. Recap: 1/2° @ 3318'.
September 2, 1977	Present Operation: Drlg. Mud: 9.3#, 47 vis, 10 WL. Recap: 1° @ 3779'.
September 3, 1977	Present Operation: Waiting on completion. Recap: Ran I-ES & GR Density logs. Ran 2 7/8", 6.4# tbg set @ 3840' Cmtd with 160 sks. Plug down @ 2130 hrs on 9/2/77. Tested 2 7/8" to 4000 psi, held OK. Top of cmt @ 2700' by temp survey. Off report until completion.
October 14, 1977	Tested csg to 4000 psi. Held OK. Ran GR-CCL to 3826' PBTD. Perfed 16 holes from 3684' to 3826'. Pumped 500 gal of 15% HCl & dropped 25 ball sealers. Ran junk basket & cleared perfs. Established rate & pumped 5000 gal pad & fraced 2/ 50000# 10/20 sand @ 1 ppg. ISIP = 1000 psi, 5 min = 700 psi, 10, 15 & 30 min = 700 psi, AIR = 24 BPM, AIP = 3700 psi, MIR = 24 BPM, MIP = 3900 psi. Job complete @ 1330 hrs 10/13/77.
November 2, 1977	Present Operation: SI for pressure build-up. Open to atmosphere, well slugging, making approx 10 bbl water/day. Well dead 70% of time.
November 3, 1977	Well surging water. Gas volume too small to measure. SI for pressure build-up 11/2/77.
November 4, 1977	SI for pressure build up.
November 5, 1977	SI for pressure build-up. SI 48 hrs, 638 psi. Open well to atmosphere through 1" choke. Well unloaded slugs of wtr. Gas too small to measure.
November 6, 1977	Well open to atmosphere. Making slugs of wtr & gas too small to measure.

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November 7, 1977 Well dead. SI for pressure build-up.

November 8, 1977 Well dead. SI for pressure build-up.

November 9, 1977 SI 24 hrs. SICP 461 psig. Open well to atmosphere on 1" choke. Blew down to small vapors in approx 10 min, then unloaded hvy slug of wtr, then small slugs of wtr intermittently. Too wet to measure. Collected wtr sample. Left open to atmosphere.

November 10, 1977 Well surging small amount of water, approx 20 min intervals. then down to small vapor. TSTM.

November 11, 1977 Well open to atmosphere. Making slugs of wtr & gas, TSTM.

November 12, 1977 MOL & RU. Ran 2 7/8" pkr on 1 1/4" tbg, pkr set @ 3727'. Csg & tbg open to atmosphere. Well log off.

November 13, 1977 Well open to atmosphere 18 hrs & log off. SI for pressure build-up.

November 14, 1977 Well SI 24 hrs. Csg pressure 340 psi, tbg pressure 0. Open csg to atmosphere & well blew dead immediately.

November 15, 1977 Made 23 swab runs, swabbed 36 bbls wtr. Released service unit @ 1700 hrs 11/15/77. SI for pressure build-up.

November 16, 1977 SI for pressure build-up.

November 23, 1977 SICP = 1072, SITP = 126. Open tbg to atmosphere. Blew dead in 30 sec.

November 24, 1977 Tbg = 0, csg = 1113. Open csg to atmosphere, well blew dead in 30 sec. In 25 min well making slug of water & logged off in 45 min. SI for pressure build-up.

November 25 thru 28 SI for pressure build-up.

December 1, 1977 On 11-30-77: SIPT 26 psig, SIPC 982 psig. Blew csg. Blew down to vapor in 5 min. Vapored for 10 min, then unloaded hvy slug of wtr, then dead. Left open for 1 hr. Shut in for pressure build-up.

December 2 thru SI for pressure build-up.

Apr 28, 1978 MOL w/ service unit.

May 2, 1978 TIH w/ 1.90" OD grapple & overshot & 1-1/4" tbg. Found top of fish @ 3719'. Jar on fish 4 times. Unable to release overshot. Jar on fish 25 min. TOH, dragging. Did not rec fish, jarred grapple out of overshot. TIH w/ washover shoe (1-7/8" ID, 2-1/4" OD, 40" long). Had approx 1' of junk on top of fish. Milled on fish 3 hrs. TOH Washover shoe indicated that shoe was over fish 1'. Will TIH w/ 1-3/4" ID, 2-1/4" OD washover shoe this A.M. Rain, 39°F. (muddy roads)

Drilling Summary Recap
San Juan 30-5 #59 (Cont)

- May 3, 1978 TIH w/ washover shoe (1-3/4" ID X 2-1/4" OD) & 1-1/4" tbg. Tagged top of fish @ 3719'. Milled on fish to 3721' (5-1/2 hrs). Circ hole. Pulled 2 stands 1-1/4" tbg. Shut down due to rain. Rain, 34°F. Roads extremely muddy.
- May 4, 1978 Well flowed to pit 16 hrs. Made approx 60 bbls of H₂O & medium blow of gas. TIH w/ 1-3/4" overshot & caught fish @ ³⁷¹⁹~~3917~~'. Jar on fish one time. Pipe free, set back down on fish & tagged fish 14" high. Unable to push fish down. TOH. Overshot had parted. Left 8" of overshot in hole. Shut down, W0 fishing tools. Rain, muddy roads, 38°F.
- May 5, 1978 TIH w/ short catch overshot. Tag fish @ 3718'. Unable to go over fish. TOH, did not rec fish. Laid down 1-1/4" tbg. Rig released 5-4-78. Unable to move rig due to muddy roads. Weather: 29°F, snowing. Note: well flowing to pit 16 hrs, made approx 35 bbls water.
- May 8, 1978 SITP & SICP 1500 psig. SI for pressure build-up. Off report, will recap week 1.

SUPPLEMENTARY REPORT

May 18, 1978 Csg press.=794#. Blew well 2 hours. Blew dead in 5 minutes. Slugged once after 30 minutes, blew to vapor in 1 hour. Left S.I. for build-up.

May 23, 1978 Well venting too small to measure.

Jun 6, 1978 Well venting too small to measure.

Jun 13, 1978 Well venting too small to measure.

Jun 29, 1978 MI w/ wireline truck. Ran CCL, junk basket, and gauge ring. Hole gauge OK. Found TD @ 3710'.

Waiting on further remedial action.