

SUMMARY OF OPERATIONS

- 5-19-56 Spudded.
- 5-21-56 After setting 13-3/8" casing on bottom at 437' w/425 sx cement, circulated, tested w/500# for 30 min before and after drilling plug, tested OK, no break.
- 6-11-56 Drill Stem Test San Andres 4487-4575', 2 hrs. 5/8" X 1" ch. No water cushion. Gas to surface 21 min, Est. 166 MCF per day. Recovered 650' heavily gas & salt-water cut drilling mud. SFP 28#. BHFP 270#. 30 min BHSIP 1470#.
- 6-12-56 Ran logs.
- 6-14-56 After cementing 9-5/8" casing on bottom @ 4840' w/2500 sx cement, Temp. Survey top cement at 880', tested with 1000# for 30 min before and after drilling plug, tested OK, no break.
- 6-19-56 Drill Stem Test Yaso 5270-5360', 1 hr. 5/8" X 1" ch. No water cushion. Nothing to surface. Recovered 20' drilling mud, no shows. SFP 0#. BHFP 75#. 15 min BHSIP 150#.
- 6-20-56 Cored 5390-5443', recovered 57' no shows.
- 6-21-56 Drill Stem Test Yaso 5470-5550', 1 hr. 5/8" X 1" ch. No water cushion. Nothing to surface. Recovered 5' drilling mud, no shows. All pressures zero.
- 7-24-56 Drill Stem Test Permo Penn. 8490-8555', 1 hr. 12 min. 5/8" X 1" ch, no water cushion. Nothing to surface. Recovered 20' drilling mud, no shows. All pressures zero.
- 7-27-56 Drill Stem Test Permo Penn. 8630-8683', 1 hr. 5/8" X 1" ch. No water cushion. Nothing to surface. Recovered 20' drilling mud, no shows. SFP 0#. BHFP 115#. 15 min BHSIP 115#.
- 8-3-56 Drill Stem Test Permo Penn 9104-9156', 3 hrs. 5/8" X 1" ch. No water cushion. Gas to surface in 7 min at rate of 10 MCF per day.. Recovered 40' heavily oil & gas-cut drilling mud, 2070' of free oil, gravity 43. No water. SFP 2#. BHFP 565#. 30 min BHSIP 335#.
- 8-6-56 Ran Elec. logs. Cored 9156-9186', recovered 30' lime & shale, good stain, odor & fleur, with 5% to 10% vuggy porosity 9168-9186'. Drill Stem Test 9201-9232', Bough 4 hrs. 5/8" X 1" ch. No water cushion. Gas to surface 3 1/2 hrs. 40 MCF per day to 0. Recovered 120' slightly gas-cut drilling mud, no oil or wtr. SFP 0#. 30 min BHSIP 520#. Cored 9232-9242', recovered 10' lime & shale, vuggy porosity & fleur, 9232-9238', Drill Stem Test 9200-9242', 4 hrs. 5/8" X 1" ch. No water cushion. Nothing to surface. Recovered 40' slightly gas-cut drilling mud, SFP 0#. BHFP 0#. BHSIP, 30 min, 335#.
- 8-7-56 Ran Elec. logs. Ran Velocity Survey.
- 8-10-56 Cored 9242-9257', recovered 12', shale, no show.
- 8-13-56 After setting 7-5/8" casing on bottom at 9407' with 310 sx cement, temp. survey top cement @ 7980', tested with 1800# for 30 min before and after drilling plug, tested OK, no break.
- 8-20-56 Drill Stem Test Penn. 9950-9575', 1 hr. 5/8" X 1" ch. No water cushion. Nothing to surface, recovered 15' slightly gas-cut mud, no oil or water. All pressures zero.
- 8-29-56 Drill Stem Test 9990-10054', 2 hrs. 5/8" X 1" ch. No water cushion. Nothing to surface, recovered 120' slightly oil & gas-cut mud, no water. SFP 0#. BHFP 0#. 15 min. BHSIP 150#.
- 8-30-56 Cored 10054-10069', recovered 15' sand and shale partings with show oil thru-out.
- 9-4-56 Drill Stem Test Penn. 10044-10069', 4 hrs. 5/8" X 1" ch. No water cushion. Nothing to surface. Recovered 250' slight oil & gas-cut mud, 60' salt water. SFP 0#. BHFP 140#. 45 min BHSIP 2120#.
- 9-11-56 Drill Stem Test Penn. 10481-10507', open 2 hrs. 5/8" X 1" ch. No water cushion. Nothing to surface, recovered 40' of slightly gas cut mud, no oil or water. SFP 0#. BHFP 95#. 35 min BHSIP 95#.
- 9-25-56 Cored 10970-11005', recovered 35' lime and shale, no shows.
- 9-27-56 Drill Stem Test Devonian, 11030-11045' open 4 hrs 5/8" X 1" ch. No water cushion. Nothing to surface. Recovered 4770' Salt Water, no show oil or gas. SFP 0#. BHFP 2355#. 30 min BHSIP 4215#.
- 10-1-56 Drill Stem Test Devonian, 11096-11115', open 2 hrs. 5/8" X 1" ch. No water cushion. Nothing to surface, recovered 9360' salt water, no shows oil or gas. SFP 0#. BHFP 4335#, 30 min. BHSIP 4335'.
- 10-11-56 Drill Stem Test Devonian 11625-11696', 1 hr. 10 min. 5/8" X 1" ch. No water cushion. Nothing to surface, recovered 90' mud, 9520' salt water, no show oil or gas. SFP 0#. BHFP 4535#. 30 min. BHSIP 4720#.
- 10-15-56 Cored 10868-10876', recovered 3' no shows.
- 10-16-56 Ran Elec. logs.
- 10-18-56 This well was plugged back in the following manner: Spot 40 sx cement plug 11775' to 11610', spot 70 sx cement plug 11240' to 10995', spot 60 sx cement 9457' to 9261', plug back total depth. Tagged top of cement @ 9261' with 30,000#, cement solid. Tested 7-5/8" casing at 9261' with 2000# for 30 min, tested OK, no break. Mud laden fluid has been placed between all plugs and in bottom of hole.
- 10-19-56 Perf. 7-5/8" casing 9202-9210' with 4 shots per ft.
- 10-22-56 Ran tubing and packer, from perf 9202-9210', swab 36 bbls load oil 4 hrs, swab dry 2 hrs. No shows. Acidized with 500 gals. Tubing press 4400-100#. Swab & flow 36 bbls load oil 12 hrs and water 2 hrs. Flow 185 bbls new oil 21 hrs 10/64" ch. GOR 1530/1. Gravity 46.7. Tubing press 1190#. Last hrs flow 9 bbls new oil, shale cut clean.
- 10-23-56 On Potential test, from perf. 9202-9210', flow 218 Bbls new oil in 24 hrs GOR 1486/1. Gravity 46.7. Allow 148 BOPD. Est. Cap. 210 BOPD. Tr pressure 1200#. Completed 10-21-56.

self-water out drilling mud. BHP 200. BHP 200. 20 min BHP 100.

Flow 9 has a new oil, grades out clean.
 21 hrs 10/64" ch. DOB 1230/L. Gravity 47. Tapping press 11904. Last time
 Pump & Flow 30 hole lost oil 12 hole and water 3 hrs. Flow 182 hole new oil.