

Attachment to Form C-105Drill Stem Tests
Shell State CA-1Clardy Area

- DST #1 5457 - 5496' (39' Basal San Andres) w/Johnston straddle packer assembly. Tool open 1/2 hr. thru 5/8" BC & 1" TC on 4-1/2" DS. Weak air blow, dying in 1 min. Rec. 35' (0.2 bbls.) mud. NS. FBHP 0 psi. 15-min. SIBHP 1225 psi. HMM 2600 psi. Charts indicated effective isolation of interval tested. Positive Test.
- DST #2 5521 - 5575' (54' Basal San Andres). Tool open 2-1/2 hrs. thru 5/8" BC & 1" TC on 4-1/2" DS. Moderate air blow, decreasing to weak in 1-1/2 hrs., which lasted throughout test. Rec. 273' (3.9 bbls.) water-cut mud w/trace oil, 920' (13 bbls.) salty sulfur water w/trace gas and oil. Salt water titrated 106,800 ppm chlorides. FBHP 30 - 660 psi. 30-min. SIBHP 1775 psi. HMM 2615 psi. Positive Test.
- DST #3 6304 - 6474' (170' Yoso Dolomite). Tool open 40 mins. thru 5/8" BC & 1" TC on 4-1/2" DS. Immediate extremely weak air blow lasting 30 mins. Closed and re-opened tool for an additional 10 mins. w/extremely weak air blow dying in 10 mins. After taking 15-min. SIBHP, pulled tool and found disc valve ruptured (had dropped 3 bars). Rec. 20' (0.1 bbls.) mud w/NS. Mud filtrate titrated 1420 ppm chlorides, pit mud filtrate titrated 1100 ppm chlorides. FBHP 0 psi. 15-min. SIBHP 500 psi. HMM 3200 psi. Positive Test.
- DST #4 8350 - 8520 (170' Abo). Tool open 1/2 hr. thru 5/8" BC & 1" TC on 4-1/2" DS. Immediate weak (very) blow dying in 10 mins. After 15 min. closed and re-opened tool. Immediate very weak blow dying in 10 mins. After 15-min. closed tool. Rec. 40' (0.2 bbls.) mud. NS. FBHP 0 - 30 psi. 30-min. SIBHP 30 psi. HMM 4090 - 4120 psi. Positive Test.
- DST #5 9513 - 9596' (83' lower Permian). Tool open 1 hr. thru 5/8" BC & 1" TC on 3-1/2" DS. Weak air blow throughout test. No gas to surface. Took 30-min. SIBHP. Rec. 130' (0.65 bbls.) mud, 90' (0.45 bbls.) sli. salty sulfur water-cut mud (filtrate titrates 7300 ppm chlorides) & 60' (0.3 bbls.) heavily salty sulfur water-cut mud (filtrate titrate 22,400 ppm chlorides). Pit mud filtrate titrate 800 ppm chlorides. FBHP 0 psi. 30-min. SIBHP 3550 psi. HMM 4700 psi. Positive Test.
- DST #6 10,110 - 10,182' (72' Basal Wolfcamp). Tool open 2 hrs. thru 5/8" BC & 1" TC on 4-1/2" DS. Immediate strong blow. Gas to surface in 7 mins. After 1 hr. measured flow of gas at 105,700 cu. ft./day. Rec. 211' (3 bbls.) mud, 1167' (16.6 bbls.) clean oil (38° API 442' (4.5 bbls.) salt water which titrated 104,300 ppm chlorides (pit mud 1575 ppm chlorides). FBHP 150 - 625 psi. 30-min. SIBHP 3250 psi. HMM 4875 psi. Positive Test.
- DST #7 10,254 - 10,307' (53' lower Wolfcamp). Tool open 2 hours thru 5/8" BC & 1" TC on 4-1/2" DS. Weak blow decreasing to moderate blow lasting throughout test. Rec. 30' (0.42 bbls.) mud / 597' (6.3 bbls.) sli GCM. Mud filtrate from sample above the tool titrated 42,000 ppm chlorides. Pit mud titrated 1500 ppm chlorides. FBHP 0 - 175 psi. 30-min. SIBHP 3775 psi. HMM 4925 psi. Positive Test.
- DST #8 10,307 - 10,330' (23' lower Wolfcamp Lime). Tool open 2 hrs. thru 5/8" BC & 1" TC on 4-1/2" DS. Immediate strong blow lasting throughout test. Gas to surface in 15 mins. (TSTM). Rec. 120' (1.68 bbls.) mud cut oil and 450' (4.41 bbls.) clean 36.1° API oil. No water. FBHP 0 - 50 psi, 30-min SIBHP 3250 psi. HMM 4950 psi. Positive Test.
- DST #9 10,330 - 10,355' (25' lower Wolfcamp Lime). Tool open 25 mins. thru 5/8" BC & 1" TC on 4-1/2" DS. Weak blow dying in 10 mins. By passed packer w/mud. Weak blow dying in 4 mins. Rec. 210' (1.05 bbls.) sli. gas cut mud. Rec. mud filtrate titrated 22,600 ppm chlorides. Pit mud titrated 1500 ppm chlorides. FBHP 0 - 50 psi. 15-min. SIBHP 3375 psi. HMM 5025 psi. Positive Test.
- DST #10 10,610 - 10,640' (30' Wolfcamp Lime). Tool open 2 hrs. 20 mins. thru 5/8" BC & 1" TC on 4-1/2" DS. Strong blow throughout test. Gas to surface in 27 mins. Vol. TSTM. Rec. 240' (1.41 bbls.) OGGM (est. 20% oil). Rec. mud filtrate titrated 668 ppm chlorides and pit mud filtrate titrated 318 ppm chlorides. FBHP 0 psi. 30-Min. SIBHP 1625 psi. HMM 5060 psi. Positive Test.

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After the first few days, I was compelled to go to the city of El Paso, Texas, and to stay there, and wrote at home to my wife, Mrs. C. L. Smith, and told her all about it. She was greatly interested in the news, and asked me to write again when I got back to the city. I did so, and she was very glad to receive my letter. She said, "I am so glad you are safe, and that you are doing well. Please write again when you get back to the city. I am sure you will be safe, and that you will be happy." I did so, and she was very glad to receive my letter.

"I am very sorry to say that our last letter dated 18th October, 1863, in which we informed you of the arrival of the steamer *W. H. Smith*, did not reach you until the 2nd instant, and that the *W. H. Smith* had not yet arrived at the port of Callao. We trust that you will receive this information in time to enable you to make arrangements for the arrival of the steamer *W. H. Smith* at Callao.

•and the result of the experiment is that the animals are not
•surviving, but the place where they were found is not
•available now. The hypothesis resulting from this evidence is that the condition
•of survival is due to the fact that the animals have been captured.