

State #1-K  
N. Mescalero Area  
NE SW, Sec. 11-10S-32E  
Lea County, New Mexico

CABEEN EXPLORATION CORPORATION

6-15-60

Trip in hole w/drill pipe. Circulate 3 hrs. Rig B. J. Services and spot 20 sx Reg. Neet Cement for plug from 10,800' back to 10,737'. Pull 17 Jts. Drill pipe. Spot 50 sx. Reg. Neet Cement from 10,300' back to 10,142'. Finish trip out of hole laying down drill pipe.

6-16-60

Run 290 Jts. 2-7/8" OD EUE N-80 Csg. for 8943' set at 8951' w/float at 8920'. Cement w/255 Sx. Trinity Inferno w/4% gel added. Pump double plug down w/1000 gals. 15% Type J Acid and 28 bbls. water. Max. press. 2700#. Pumped plug to 8920' at 5:30 P.M. 6-16-60. Release rig.

6-19-60

Rig up X-Pert Well Servicing Unit. Rig up Frontier Perforators to run Correlation Gamma Ray and Collar Log and perforate. Gamma Ray tool will not work. Rig down. Rig up PGAC and run Correlation Gamma Ray and Collar Log from 8860', back to 8200'. Perforate w/Jet Expendable Gun 4 shots/ft. from 8752-8771' and 8725-8734'. Total 112 holes.

6-20-60

Rig up Knox Services to break down formation w/acid in hole. 7000# will not break down. No holes in 2-7/8" csg. Run sand line. Find tbg. bridged at 8725'. Close well in for acid in hole to decompose fused gun.

6-21-60

Swab back acid and water in hole to run measuring line. Rig B. J. Services and run wire line to determine depth. Find bottom at 8879'. Rig PGAC and reperformate 2-7/8" csg. from 8725-8734' and 8752-8771' w/4 Jet shots/ft. w/Sidewinder Gun. Total 112 holes. Rig Knox Services and acidize csg. perforations w/500 gals. 20% mud acid. Push 6 bbls. 15% Type J Acid ahead at 6200# at 4 gals/min., 20% acid on formation pressure at 6000#. Injection increased to 9 gals./min. for 8 bbls. Broke to 5200#, rate increased to 27 gals/min. for final 4 bbls. acid. Shut in pressure 4800#. Rig and swab back. Swab hole dry. Recover some unspent acid, spent acid water, show of oil and gas.

6-22-60

Swabbing at rate of 300' fill/hr. Est. 1-3/4 bbls. oil w/acid water. Rig Knox Services and reacidize csg. perforations from 8725-8734' and 8752-8771' w/1000 gals. 15% SLT Acid. Max. press. 5500#, min. press. 4500#. Close in press. 5000#. 10 min. close in 4400#. Close well in.

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Swab back load and acid water w/increase in gas and oil. Maintain 500' fluid in hole. Recover 3 bbls fluid/hr w/increase in oil show.

6-24-60

Rig PGAC and perforate 2-7/8" OD EUE Csg. from 8354-8365' and 8655-8687' w/4 Jet shots/ft. w/Sidewinder gun. Total 172 holes. Rig Cecil Horne Wire Line Service and run P.S.I. Tbg. plug to 8704'. Rig Knox Services and acidize 2-7/8" Csg. perforations from 8354-8365' and 8655-8687' w/1000 gals. 20% mud acid. Unable to catch acid at 4 bbls. per min. Hole on vacuum.

6-25-60

Rig to swab. Swab back load and acid water. Recover 3 bbls. fluid per hr. w/no noticeable increase in gas or oil. Hole appears to have channeled between csg. perforations from 8655-8687' and 8725-8734'.

6-27-60

Rig Cecil Horne Wire Line Service and pull P.S.I. Tbg. Plug at 8704'. Rig Halliburton to acidize csg. perforations from 8354-8365' and 8655-8687' and 8725-8734' and 8752-8771' w/10,000 gals. 15% Acid Gel. Max. tbg. press. 7000#, 1500 gals in formation channel to surface. Close well in. Used total of 3500 gals. acid. Rig and swab hole until recover drilling mud.

6-28-60

Rig Cecil Horne Wire Line Service and run tbg. plug to 8338'. Pressure up w/B.J. Services to 3000#. Tbg. pressure held. Rig Cecil Horne Wire Line Service and retrieve tbg. plug. Rig McCullough Tool Co. and run 2-1/8" OD Aluminum Drillable Bridge Plug set at 8303'. Test w/3000# pressure. It held. Perforate 2-7/8" OD EUE Csg. from 8300-8302' w/4 Jet shots/ft. Rig. B. J. Services and break circulation w/1200#. Circulate to surface. Cement 2-7/8" OD EUE Csg. w/100 Sx. Reg. Neat Cement. Max. press. 1200#. Close well in.

6-29-60

Rig Coleman Engineering Company and run Temperature Survey. Top cement at 7827'. Rig Reynolds Specialty Co. and drill cement and bridge plug 8300-8303'.

7-1-60

Hole on vacuum this A.M. Rig to swab. Swab back flush water w/show of oil and gas. Well starts to flow at 2:00 P.M. 7-1-60 w/440# tbg. press.

7-2-60

Well flowing this A.M. w/450-575# tbg. press. on 24/64" choke. Recover 170.52 bbls fluid in 15 hrs. 154.08 bbls oil and 16.44 bbls water. Close well in.