

MEMORANDUM

Ross R. Mitchell
Permit No. 35
Bliven No. 1

I was called to Dallas on September 17, 1959, to observe a swab test on a gas sand at 310 feet. The hole was being swabbed through 3" tubing hung at 310 feet, 8" casing cemented at 70 feet. Adequate protection against blow-out was given by valves on the tubing and casing.

Muddy salt water was swabbed from the hole attended by a small flow of gas which readily burned. Traces of oil colors could be seen on the mud ditch. Whether or not these came from the machinery or formation could not be determined. Samples of the formation water were taken so that salinity tests could be run. It was decided to allow the gas to blow overnight before sampling in order to eliminate air contamination.

Samples of well cuttings were turned over to me for return to Portland and abandonment procedure discussed.

I returned to the well site on September 18, 1959, and obtained a gas sample from a pet cock connected to the annular space between the tubing and casing. Gas pressure was estimated to be between 5 and 10 psi.

Reported by V. C. Newton

September 21, 1959

*Took gas sample to Northwest Natural
Gas Co laboratory on Sept 21, 1959*

MEMORANDUM

August 26, 1959

Ross R. Mitchell
Bliven No. 1
Permit No. 35

I visited the Ross R. Mitchell "Bliven No. 1" site on August 25, 1959, to inspect the surface casing cement job and blow-out prevention equipment. I met Mr. Miller, the driller, at the site and he reported the following facts:

1. 10" hole was drilled by cable tool method to 70 feet.
2. 8" surface casing was cemented at 70 feet with 12 sacks of construction cement; about 2 sacks around the shoe and 10 sacks pumped down the annular space from the surface.
3. BOP - An 8" gate valve (est. 500 psi test) was flanged to the casing and a similar valve installed on the flow pipe.
4. Test - BOP equipment and surface casing were tested with 125 psi without loss of pressure.
5. 6" hole had been drilled to 310 feet at the time of my visit. 3" drill pipe was being used with the idea of using it as casing if production is obtained.

The rig is a small combination cable tool and rotary outfit. The circulating system is well set up with a duplex oil well type pump driven by a Waukesha engine.

A copy of the invoice for cement used on the surface casing was requested from Mr. Miller as the amount of cement used was barely sufficient for the job.

Report by: V. C. Newton

August 26, 1959

MEMORANDUM

Ross R. Mitchell
Permit No. 35
Well: Bliven No. 1

The Ross Mitchell site was visited on September 17 and 18, 1959, for the purpose of obtaining a gas sample from a swab test of a zone around 310 feet. Muddy salt water with a small amount of gas was being swabbed from the hole through 3" tubing hung at 310 feet.

The tubing was shut-in and gas allowed to blow out a valve on the surface casing flow line overnight in order to clear the hole of air. A gas sample was obtained in a pressure bottle Friday morning, September 18, 1959. The gas sample was taken to Northwest Natural Gas Company's laboratory on September 21, 1959, for analysis.

Mr. Mitchell and I discussed abandonment procedure during my visit on September 18, 1959.

Carl Gerlinger called for Ross Mitchell on September 21, 1959, to ask if Mr. Miller could proceed with the abandonment plugging. As a matter of expediency I told Mr. Gerlinger that the plugging could be done without my being there but that a plugging affidavit would have to be turned in.

Reported by: V. C. Newton

September 24, 1959