

CITIES SERVICE GAS COMPANY
McLouth Storage Field

C-1913
R-1914

Well (Longwell # 3 - Bankers Life)

Location: SE NW SW 3-103-20E
Leavenworth County, Kansas

Elevation: 1077'

T.D. 1461'

Casing Record: 7" set 1417' (record)
1422' (by log)

McLouth Sand: 1426' to 1448'

Date Started: 6-2-60
Completed: 6-18-60

By: Horn 72 Star Rig

Record:

The casing in this well was tested to determine if it was suitable to be equipped for a pressure observation well in the Steensry area of McLouth Storage Field - Moved on location, rigged up and pulled 1454' rods and 2" tubing - Cleaned out hole with 6" tools 1457' to 1460' T.D. - Ran gamma ray log and collar locator log then ran 2" x 7" hookwall packer on 2" tubing and made the following water pressure tests:

Packer at 1410' and 100# water pressure, pressure dropped 100# in 5 minutes
Packer at 1062' and 250# water pressure, pressure dropped 78# in 20 minutes
Packer at 713' and 400# water pressure, pressure dropped 138# in 20 minutes
Packer at 347' and 500# water pressure, pressure dropped 130# in 20 minutes

Pulled 2" tubing and packer then ran 2" tubing to bottom of hole and pumped in 30 sacks cement - Fill up from 1460' to 1436' S.L.M. - Again ran 2" tubing to 1435' and pumped in 75 sacks cement - Pulled 2" tubing up to 1375' then hooked on to annulus and attempted to reverse circulate out the 2" tubing - Annulus pressured up to 500# water pressure then lost circulation - Pulled the rest of the 2" tubing, tore down rig and moved off - Top of cement 1323' S.L.M.

Material Used: 105 Sacks Cement

Material Reclaimed: 1454' Sucker Rods
1454' 2" Tubing
6.14' Working Barrel
1 Shear Pole

Well (Longwell # 3 - Bankers Life)

Plugged By: Horn 72 Star Rig

Dates:

Started: 6-2-60

Ended: 6-18-60

Elevation: 1077'

Material Reclaimed

1454' 2" Tubing

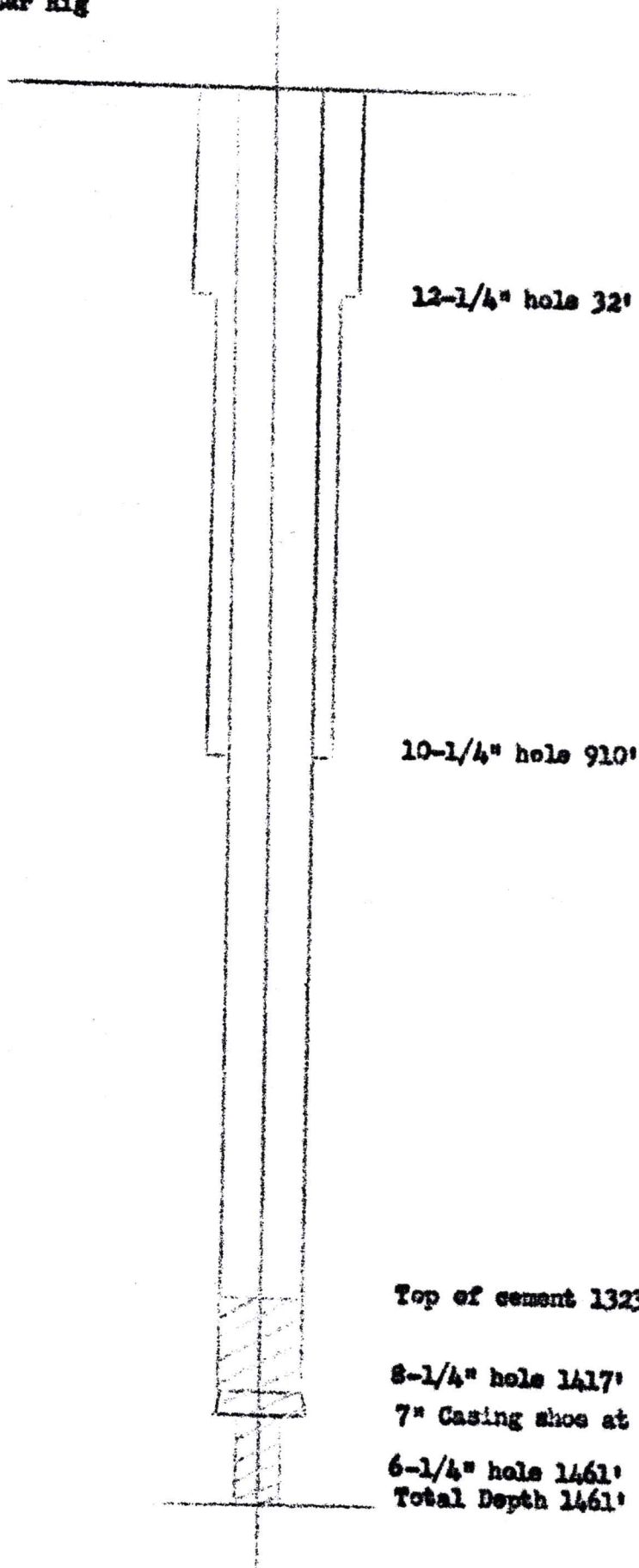
1454' Sucker Rods

1 Shear Pole

6.14' Working Barrel

Material Used

105 Sacs Cement



Mr. R. T. Gaut
Office

March 18, 1960

Subject: Cities Service Gas Company
McLouth Storage Field,
(Longwell #3 - Bankers Life)
SE NW SW 3-10S-20E.,
Leavenworth County, Kansas.

The casing in the above described well should be tested to determine if it is suitable to be equipped for pressure observation in the Steenstry area of the McLouth field. If testing indicates the condition of the well is not suitable for repair, a recommendation to plug the well will be issued.

PERTINENT DATA:

Ground Level Elevation: 1077'

*Casing:

<u>Size</u>	<u>Ran</u>	<u>Pulled</u>	<u>Weight</u>	<u>Thread</u>	<u>Amount Cement</u>	<u>Top Cement</u>
10 3/4"	32'	32'				
8 5/8"	910'	910'				
7"	1417'					

*From original driller's log.

Hole Sizes: 12 1/4" to 32', 10 1/4" to 910', 8 1/4" to 1417', 6 1/4" to 1461' T.D.

Shot Record: Shot 30 quarts from 1421' to 1429'.
Shot 30 quarts from 1439' to 1449'.

Initial Production: 70 BOPD

Producing Horizon: McLouth sand from 1417' to 1450'.

Drilled Hole Below Casing: 6 1/4" open hole from 1417' to 1461' T.D.
1417'-1425' Broken oil sand
1425'-1429' Oil sand
1429'-1450' Broken sand
1450'-1454' Shale
1454'-1461' Limestone

RECOMMENDATION:

Reclaim present single sheave shear pole.
Pull rods and pump.
Pull tubing.
Run Collar Locator Log and Gamma Ray Log.

Test casing with water as follows:

Use 2" test tubing and packer. Set packer in bottom joint and pressure to 100# on annulus. Reset packer at 1,050' and test at 250# pressure. Reset packer at 700' and test at 400# pressure. Reset packer at 350' and test with 500# pressure. These surface pressures and test depths result in test pressures ranging from 550# to 700#.

Install full opening valve on the casing. Bail well dry and shut in for observation.

If the casing leaks, plug the well; a plugging recommendation will be written when necessary.

Necessary Equipment: Company cable tool rig.
Company logging truck.

Necessary Materials from Stock: 1 - 7", 500#, Full Opening Gate.
1 - 7", 20#, x 12" Nipple

Necessary Materials to be Purchased:

- 2 - 7", 8 rd. thd. Bell Nipples.
- 1 - 6", Series 30, Slip-on Flange, bored to slip on 7", complete with Bolts and Washers.
- 1 - 6" x 2", Series 30, Slip-on Reducing Flange.
- 1 - 2" x 4", T.O.E. Nipple.
- 1 - 2", 500#, Gate.
- 1 - 2" x 1/4" swage.
- 1 - 1/4" Valve.
- 1 - 1/4" Bull Plug.


Floyd Hentschel, Jr.