

CITIES SERVICE GAS COMPANY
McLouth Storage Field

C-1913

Well (McLaughlin Bankers Life # 1)

Location: C N/2 SW SW 3-103-20E
Leavenworth County, Kansas

Best Scanned Copy

Elevation: 1104'

T.D. 1491'

Casing Record: 7" set 1452'

McLouth Sand 1452' to 1470'

Date Started: 6-7-60
Completed: 6-10-60

By: Horn 72 Star Rig

Records:

The casing in this well was tested to determine if it was suitable to be equipped for a pressure observation well in the Steamstry area of McLouth Storage Field - Moved on location, rigged up and pulled 1440' of sucker rods and 2" tubing - Found fluid at approximately 1300' then cleaned out hole from 1470' to 1490' with 6" tools - Hole was caving some - Ran gamma ray and collar locator logs then ran 2" x 7" hookwall packer on 2" tubing and made the following water pressure tests:

Packer at 1445' and 100# water pressure, pressure dropped 38# in 30 minutes
Packer at 1051' and 250# water pressure, pressure dropped 40# in 20 minutes
Packer at 687' and 400# water pressure, pressure dropped 50# in 20 minutes
Packer at 340' and 500# water pressure, pressure dropped 325# in 20 minutes

Pulled packer and 2" tubing and hooked well up for an observation well.

Material Used: 1 7" 500# Walworth Gate
1 7" 20# x 12" Nipple
2 7" 8 Rd thd. Ball Nipples
1 6" Series 30 Slip-on Flange. 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" Stange
1 1/4" Valve
1 1/4" Ball Plug

Material Reclaimed: 1440' Sucker Rods
1440' 2" Tubing
6.14' Working Barrel
1 Shear Pole

CALCULATIONS

McLaughlin #1 Cont.

11-4-97

AM - 9:10 - Midwest Survey on location - ran line to top of plug inside
7" - plug at 213'

between 7" casing & hole - TOC - 1'

2:45 - topped 7" casing off with 50 cu. ft. of cement - (30 sacks)
(Ready mix truck)

TOC - inside 7" casing - 1 1/2 ft

Total sacks of cement

475 sacks

Mr. R. T. Gaut
Office

March 17, 1960

Subject: Cities Service Gas Company
McLouth Storage Field,
(McLaughlin Bankers Life #1)
C N/2 SW SW 3-108-20E.,
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: 1,104'

*Casing:

Size	Run	Pulled	Height	Thread	Amount Cement	Top Cement
10-3/4"	26'	26'				
8-5/8"	960'	960'				
7"	1,450'				35 sacks	1,133' (calculated)

*From original driller's log.

Hole Sizes: 12-1/4" to 26', 10-1/4" to 960', 8-1/4" to 1,450',
6-1/4" to 1,491' T.D.

Shot Record: Shot with 150 quarts 1,455'-1,485'

Initial Production: 60 Bbls. potential per day.

Producing Horizon: McLouth sand from 1,455'-1,485'

Drilled Hole Below Casing: 6-1/4" open hole from 1,450'-1,491'
From 1,450'-1,455' dark shale.
McLouth oil sand 1,455'-1,485'.
Mississippi Lime 1,485'-1,491' total depth

RECOMMENDATION:

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

Mr. R. T. Gaut
Office

March 17, 1960

Subject: Cities Service Gas Company
McLouth Storage Field,
(Longwell et al #1 Bankers Life)
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 Steensry 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: 1,096'

*Casing:

Size	Run	Pulled	Weight	Thread	Amount Cement	Top Cement
8-5/8"	908'	No record				
7"	1,438					

*From original driller's log.

Hole Sizes: 10-1/4" to 908', 8-1/4" to 1,438', 6-1/4" to 1,475' T.D.

Shot Record: Shot with 40 quarts.

Initial Production: 60 Bbls. potential per day, 28° gravity.

Producing Horizon: McLouth sand from 1,438'-1,463'

Drilled Hole Below Casing: 6-1/4" open hole from 1,438' to 1,463' McLouth oil sand.
From 1,463' to 1,475' T.D. shale.

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:

Week 1, 1957

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", 3 rd. thd. Ball 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" Ball Plug.

Floyd Hentschel, Jr.

WILLIAMS NATURAL GAS

ONE OF THE WILLIAMS COMPANIES

7" - 1.5 / 100 @ 1.5
 2x7 = 13
 7x10 3/4 = 20

SHEET NO. _____ OF _____
 FILE _____
 APPN _____
 DATE _____
 BY _____

SUBJECT: 6 1/4 = .2130 10 1/4 x 7 = 13058
 7" = .2273
 2x7 = .1966

10/28/97 Bankers
 2:30 PM
 McLaughlin #1
 7" @ 1450' = .2273 x 200 = 30 sks
 6 1/4 - 1450 - 1491' = .2130 x 41' = 6 sks ?
 - Stock on loc - Poe stopped in low spot
 - Get Bollinger w/loc to pull on + take + dig pit
 3:15 - Rig up Poe - Dig Pit RIH w/ 2"
 5:00 - 1/2 way in hole - Consolidated on location
 5:40 - on bottom @ 1481' 1' off bottom
 5:55 Zone @ 1452-1470
 Pump 50 sks / acre oil first
 old thick oil - deep zone
 tubing w/ wobbly water @ 1.5 10 3/4 x 7 = 192 sks (1.3 = 185)
 6:15 - 204 w/ tubing 7" EN = 106 sks 140
 7:00 - out of hole soon

10/29/97
 8:00 - On location w/ Poe / Midwest Services
 - RIH w/ collar log / Bond log - TD @ 1465' Zone 53-70
 - TOC @ ± 1100' behind pipe
 - pull up Top at 21/2 @ 530'
 - Run collar dog possible holes @ -
 10:15 - Perf @ 700' per kil
 - RIH w/ 2" to TOC - pump 50 sks w/ bulls
 - calc TOC @ 1150'
 12:45 - POOH w/ 2"
 Take collar off of 7" tie on w/ 7x4-4x2 swabs
 Pump into 7" to try + establish circ from 700'
 w/ 2" circ immediately ~ 35' = hole in 7"
 2:45 RIH w/ 7" + 7" pack set @ 2 1/2 = 61'
 Pump into 7" 45 lbs - hole isolated @ to 700' - NO circ
 Release pressure 2x NO circ - decide to Repair
 @ 500' - Return Midwest for M. No. #11
 RIH w/ Repair @ 500'

well taking fluid @ 700'

CALCULATIONS

Cont

1	10/29/97	
2		McLaughlin #1 Cont.
3		
4	4:15	NO cement in hole T.D @ 1463
5		RIH w/ 2" TO TD pump 50 sks w/ 1 1/2 s/c h/1 1/2
6	5:00	POOH w/ 2" 20jt
7	5:30	SDON
8		
9	10/30/97	
10		
11	8:00	Poe on loc - pull rest of pipe (2")
12	8:20	Out of hole - Cons. on loc w/ wireline
13	8:45	Wireline T.D. @ 1460' NO new cement in hole - shot!
14		- Sand Cons. back to Ottawa to retrieve salt for (cement)
15		accelerator - rock salt - flow sand
16	9:30	- RIH w/ 2 1/4 to bottom
17		Bollinger returned pure water
18		
19	10:00 AM	- 2 3/8" on bottom
20		
21	11:10 AM	- Alan Mader (consolidated) back on location with cementing materials
22		
23		
24	11:20	- start pumping in hole
25	11:24	- established circulation & start cement
26		50 sacks cement 2% Calcium & 1% flow seal in cement
27	AM 11:35	- finish pumping cement - followed with 3 bbls water
28		1 sack cottonseed hull
29	11:36	shut down - broke pump down
30		1/2 sack Opti-seal 1/2 sack rock salt
31	11:40	- started pulling 2 3/8" out
32		25/05
33	12:10	- 2 3/8" out of hole - rigged down
34	1:15	- Jim Belinger tractor - pulled rig off location
35	PM 1:55	- Consolidated (Alan M.) ran wireline to surface cement location
		Top of cement - 1232'

CALCULATIONS

174

McLaughlin #1 Cont.

10-31-97

11:15 AM - moved on location & rigged up - ran 2 joints of 2 3/8" with Baker packer
shut down for the day

11-3-97

8:50 - Consolidated started pumping dye in hole

8:56 - pumped 16 Bbls before dye circulated to surface - 160'

9:00 - rig crew ran 4 more joints of 2 3/8" tubing (31.1 ft. per joint) avg.
Total 6 joints - set packer at 187 ft.

9:20 - recirculated dye

AM 10:30 - circulated 200 sacks through 500' pipe to surface inside & out

- pulled tubing & packer - reset at 60' - circulated 25 sacks of cement to surface

AM 11:50 - pulled tubing removed packer - ran two joints back to 60' - topped off well

12:10 - bullhead into 7" - circulate cement through hole at 35' to surface

used 20 sacks of cement to top off

Total Cement 245 sacks