

PHILLIPS #1
SW SE Sec. 26-32S-4W
Sumner Co., Kansas

- 6-18-69 - Staked location
C SW SE Sec. 26-32S-4W Sumner County, Kansas.
G. L. 1208'.
- 6-24-69 - Graded location & dug pits.
- 6-27-69 - Moved location approximately 220' west and 55' south of C SW SE Sec. 26,
in order to move out of draw. Heavy rain night of 6-24-69 destroyed pits.
- 6-28-69 - Sage Drilling Company, Inc., MIRT & RURT. Dug new set of pits.
- 6-29-69 - Commenced drilling @ 2:30 p.m.
Drilled 12-1/4" hole to 258'.
Set 8-5/8" -20# H-40 Casing at 256' w/ 225 SX 50-50 Pozmix containing 3% HA.
Circulated excess cement to pit.
Job complete at 10: p.m.
- 6-30-69 - 7: a.m. Drilling 7-7/8" hole @ 260'.
- 7-1-69 - 7: a.m. Drilling @ 1515'
- 7-2-69 - 7: a.m. 2110'. Pulling drill pipe and test tool after running
DST #1, 2038'-2110' (White Cloud)
- 7-3-69 - 7: a.m. 2890'. Repairing Rig.
DST #1, 2038-2110., Open 10 min, SI 30 min., Open 60 min. & SI 30 min.
Recovered 140' mud with trace water & 60' watery mud. ICIP 936#,
IFP 34#, FFP 112# & FCIP 859#.
- 7-4-69 - 7: a.m. Drilling @ 3290'
- 7-5-69 - 7: a.m. Drilling @ 3535. Top K.C. 3286 (-2067)
- 7-6-69 - 7: a.m. Drilling @ 3740'
- 7-7-69 - 7: a.m. Drilling @ 3974'
Top of Miss. Chat. 3930' (-2711')
Base of Miss. Chat. 3960'(-2741')
- 7-8-69 - 7: a. m. Running DST #2, 3978'-4008'
Cored 3981'-4008'
Recovered 27' Dolomite with some staining and odor.
- 7-9-69 - 7: a.m. DST #2, 3978'-4008', Open 10, SI 30, Open 60, SI 45,
GTS/5, TSTM, 2100' Gsy Sli Mdy Oil, 125' MSW, BHP 1575#-1489#,
FP 133#-513#
Core #2, 4008'-4060', Rec. 52' Dolomite and Lime.
Reaming Core Hole @ 4060', Prep. to DST #3.
No visible stain or odor.
- 7-10-69 - 7: a.m. Drlg. @ 4102'. DST #3, 4018'-4060';
Open 10 min., SI 30 min., Open 60 Min., & SI 45 Min.;
Weak, Steady blow throughout flow period. Recovered
150' V. Sl. G. C. Watery mud; ICIP 1461#, IFP 28#,
FFP 85#, & FCIP 1414#.
- 7-11-69 - 7: a.m. Drilling @ 4232'.
- 7-12-69 - 7: a.m. 4330'. Preparing to run in w/bit & drill ahead. DST #4,
4325'-4330'; Open 30 Min., SI 30 Min., Open 30 Min. & SI 45 Min.,
Very weak blow for 20 min. & no blow remaining 10 Min. during initial
flow period; Recovered 5' drlg. mud w/faint show of oil. ICIP 17#,
FCIP 43#, IFP 5#, & FFP 14#.

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- 7-13-69 7: A.M. 4339'. Pulling DST #6, 4325'-4339'.
DST #5, 4325'-4334' Was a misrun as tool plugged.
- 7-14-69 7: A.M. 4346'. Running logs. DST #6, 4325'-4339';
Open 30 min., SI 30 min., Open 30 Min., & SI 30 min;
Weak blow during first flow period and weak blow first
5 min. of second flow period; Recovered 20' of mud;
IFP 17#, FFP 26#, ICIP 43#, & FCIP 35#.
DST #7, 4325'-4346'; Open 10 min., SI 30 min., Open 60 min.,
& SI 45 min.; Strong blow throughout flow period; Recovered 1728'
salt water; ICIP 1750#; IFP 241#, FFP 868#, & FCIP 1750#.
- 7-15-69 7: A.M. W.O.C. @ 4346' TDRT. Ran radiation guard, integrated Acoustic
& Frac-Finder logs. Set 4 1/2" - 9.5# K-55 Casing @ 4211' w/150 sx.
salt saturated Pozmix. Job complete @ 8:50 P.M., 7-14-69.
- Log Tops: White Cloud 2051', Iatan 2976', Stalnaker 2987', Kansas City
3284', Base Kansas City 3548', Marmaton 3605', Cherokee 3734', Mississippi
3927', Kinderhook 4241', & Simpson 4325'.
- 7-26-69 Moved in Double Drum Unit Casing swabbed fresh water to 3000'.
- 7-28-69 Ran correlating Gamma Ray Survey. PBTD 4178'. Perforated 3986'-3996'
w/2 jets/foot (20 Jets). Set 2 3/8" OD - 4.70# EUE tubing @ 3998'
SI @ 7:p.m.
- 7-29-69 8:30 A.M. SICP 650# Acidized perforations, 3986' - 3996', w/500 gal.
Dowell XW35 (15% HCl). Treated 0.5 BPM @ 400#. SI 1 1/2 hrs. Swabbed
& flowed 64 bbls. fluid (28 1/2 bbls. oil & 35 1/2 bbl. ld. wtr.)
Lack 38 1/2 bbls. wtr. & acid wtr., SI @ 4:45 P.M. w/csg. press. 200#
SICP @ 5:45 P.M. 350#
- 7-30-69 8:00 A.M. SITP 300# & SICP 800#. Flowed 1 hr. & 50 min. made 10 bbl.
oil & 19 1/2 bbl. ld. wtr. S.I. to Reacidize.
Acidized perforated interval 3886'-3896' w/1000 gal Jel X 100(15%HCl,
Retarded). Swabbed & flowed 44 bbls. new oil & 28 1/2 bbls. ld. wtr.
S.I. @ 5:45 P.M. Csg. press. 100#
- Corrected Test Data:
After 1000 gal Jel X 100, Swabbed & flowed 22 1/2bbls. oil & 54 bbls. ld. wtr.
- 7-31-69 8:00 A.M. SITP 285# & SICP 600#. Flowed intermittently 4-5 Hrs. flowed
14 1/2 bbls. oil & 21 bbls. ld. acid wtr.
SI @ 7:00 P. M. CP 1150#
- 8-1-69 8:15 A.M. SITP 175# & SICP 1200# flowed 3 3/4 hrs. Produced 13 bbls. oil
and 17 1/4 bbls. wtr. averaged 4 1/2 BFH for 2 hrs. on 14/64" choke.
SI @ 12N TP 385# & CP 1080#
- 2: P.M. SITP 580# & SICP 1200# Flowed 2 hrs. on 14/64" choke. Produced
9 bbls. oil & 8 3/4 bbls. wtr.
SI @ 4:p.m. T.P 360# & CP 975#
- 8-5-69 Built Tank Battery Grade.
- 8-6-69 Set 2 - 200 bbl. stock tanks
- 8-7-69 Dug Ditch for Flowline
- 8-8-69 Laid 2" Flowline; Installed stairways & walkway.
- 8-9-69 Set Heater Treater & Assembled same.
- 8-10-69 Connected Tanks & Heater; Connected flowline to heater.
- 8-11-69 Finished Tank Battery & Painted equipment.

PHILLIPS NO. 1
SW/4 SE/4 Sec.26-T32S-R4W
Sumner County, Kansas

N. B. Gove telephoned to report as follows:

- 7-28-69 Ran correlating Gamma Ray Collar Survey. Plugged back total depth 4178. Perforated 2 jets per ft - 20 shots 3986-96.
Ran 2" tubing - Set @ 3998'.
After perforating had gas showing that continued while running tubing. Showed in @ 7:P.M. Had swabbed well down to 3000' so had approx. 1000' of fluid in csg.
- 7-29-69 8:30 A.M. Csg. pressure 650 lbs. Bled off pressure.
Well started to flow gas and oil into pits. Had a fair amount of fluid build-up over night. Acidized with 500 gals. Dowell XW35-15% HCL. Finished @ 10: A.M. Will open well @ 11:30 P.M. and swab through tbg. Swabbed and flowed 28 1/2 bbls. oil and 35 1/2 bbls. water. Shut in @ 4:45 P.M. Tubing pressure @ 5:45 P.M. 200 lbs., casing pressure 350 lbs.
- 7-30-69 8:00 A.M. SITP 300 lbs. SICP 800 lbs.- Flowed for 1 hr 50 min - Produced 10 bbls. oil and 19 1/2 bbls. water 9:50 A.M. - Shut in to reacidize tbg. press. 300 lbs., casing press. 720 lbs. Recovery after first acid job - 38 1/2 bbls. oil plus 55 bbls. water which included the load water and acid water. Lack 19 bbls. of having all acid and load water recovered

Reacidized with 1000 bbls. gel X100 retarded 15% HCL. Left well shut in for 1 1/2 hrs. then swabbed and flowed. Recovered 48 bbls. oil plus 28 1/2 bbls. water. To the present time 44 bbls. new oil recovered. A total of 89 bbls. of fluid was used in the second or reacidizing job which included 61 bbls. of water plus 4 bbls. of oil plus 24 bbls. of acid (1000 gals.)

5:45 P.M. Shut in well - 100 lbs. csg. press. - Now getting oil back faster than water and if well is flowing tomorrow will release the unit. Now have 82 1/2 bbls. of new oil and after settling out tonight will truck the oil over to the Yarnell tank btry. But will get well to flow before releasing unit and this may require one or two pulls of the swab.

The Johnson well surface spudder is still busy on other work and will not be available for the completion of the Birkholz salt water disposal well until next week.

4th
Saratoga
S. Paul Emerson

$$\begin{array}{r} 77 \\ 31 \\ \hline 17 \\ 51 \\ \hline 527 \end{array}$$

$$\begin{array}{r} 31250 \\ 0.5216 \end{array}$$

$$\begin{array}{r} 25 \\ 0.5216 \end{array}$$

$$\begin{array}{r} 5675 \\ 3575 \\ \hline 7250 \\ 360 \\ \hline 7610 \end{array}$$

PHILLIPS NO. 1 WELL
SW/4 SE/4 Sec. 26-32S-R4W
SUMNER COUNTY, KANSAS

8-1-69 8:15 A.M. - TP 175 lbs. CP 1200 lbs. Flowed from 8:15 A.M. until noon.

From 9:00 A.M. til 12:00 noon flowed to 14/64th inch choke
During the last two hrs. produced 4 1/2 bbls of fluid per hr. During the
3 hrs. 45 mins. produced 13 bbls. of oil and 17 1/4 bbls of wtr.

All of the load and acid water has not been recovered; however the percent
of oil produced is increasing and the percent of water produced is decreasing

Shut-in @ 12 noon TP 385 lbs. CP 1080 lbs.

Left shut-in until 2 P.M. TP 585 lbs. CP 1200 lbs.

Flowed from 2 until 4 P.M. through 14/64th inch choke. Shut-in @ 4:00 P.M.
w/TP 360 lbs. CP 975 lbs.

During the first hr. after shut-in or from 2 until 3 P.M. produced 11 bbls.
of fluid and during the second hr. 3 to 4 P.M. produced 6 bbls. of fluid

The well will be shut-in until tanks are installed next week.

There are approximately 50 bbls. of oil in the test tnk. after having moved
40 bbls. of oil to the Yarnell lease tnk. btry. The oil realized from the
Phillips #1 Well is estimated @ 90 bbls. of oil

A bulldozer will be moved in on Sat. to make the grade for the tank btry.
The tank btry. contractor should start setting in equipment on Tuesday and
ditching for the salt water disposal lines and other line should start by
the middle of next week.

The plastic line and ditching machine will be used to connect the Yarnell,
Zook and Phillips wells to the Birkholz salt water disposal well.

The crop damage in connection with drilling the Yarnell well is estimated
@ 100.00. Mr. Gove discussed this with Erwin Pearce who farms the land from
Yarnell and planted the wheat that was damaged or destroyed ~~instant~~ *incident* to drlg.
the well.

Mr. Gove suggested that a check for \$100 be sent to Yarnell with a release
to be signed by him and a letter stating that Pearce estimated the loss
@ \$100.