

STATE OF KANSAS
 STATE CORPORATION COMMISSION
 30 S. Market, Room 2078
 Wichita, KS 67202

WELL PLUGGING RECORD
 K.A.R.-82-3-117

API NUMBER 15-095-21284-00-00
 LEASE NAME Rago Terminal
 WELL NUMBER 11
1472 Ft. from N Section Line
984 Ft. from W Section Line
 SEC. 15 TWP. 30S RGE. 7 (E) or (W)
 COUNTY Kingman

TYPE OR PRINT
 NOTICE: Fill out completely
 and return to Cons. Div.
 office within 30 days.

LEASE OPERATOR Phillips Pipe Line Company
370 Adams Building
Bartlesville, OK 74004

Date Well drilled October, 1982
 Plugging Commenced August 4, 1996
 Plugging Completed August 16, 1996

PHONE# 918-661-7473 OPERATORS LICENSE NO. _____

Character of Well LPG Storage

(Oil, Gas, O&A, SMD, Input, Water Supply Well)

The plugging proposal was approved on N/A - plugging approved by Kansas Dept. of Health & Env. (date)

by _____ (KCC District Agent's Name).

Is ACO-1 filed? N/A If not, is well log attached? _____

Producing Formation N/A Depth to Top _____ Bottom _____ T.D. _____

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS | CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
		0'	315'	13 3/8"	315'	none
		0'	855'	9 5/8"	855'	none

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plug are used, state the character of same and depth placed, from _____ feet to _____ feet each set:

Emptied cavern of hydrocarbon and filled with brine. Pulled hanging string from well. Set cast iron bridge plug via wire line at 835'. Set balanced thixotropic cement plug from 835' to 803' via tubing ("ASC" Class C w/6% Calseal, 7% salt, 1% gel, 14.5 ppg, yield 1.33 cu.ft./sk). Conducted brine full mechanical integrity pressure test above plug. Ran in 2 3/8" tubing and tagged top of first cement plug, then pumped the casing full of cement to the surface (Class C, 14.8 ppg, yield 1.32 cu.ft./sk). See attached sketch.

Name of Plugging Contractor Pratt Well Service License No. 5893
 Address Pratt, KS

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: N/A - this well regulated by KDHE

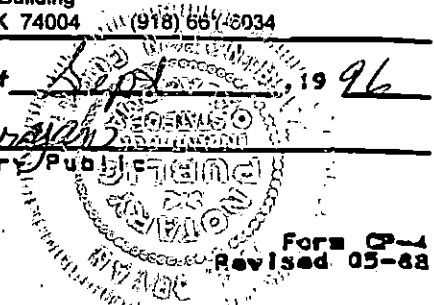
STATE OF _____ COUNTY OF _____, ss.

W. R. Thiel, Principal Cavern Engineer, Phillips Petroleum Company (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed the same are true and correct, so help me God.

(Signature) W. R. Thiel
 (Address) 10 D1 Phillips Building
Bartlesville, OK 74004

SUBSCRIBED AND SWORN TO before me this 16th day of Sept, 1996

My Commission Expires: March 28, 2000
 Notary Public P. J. Brewer



PHILLIPS PIPE LINE COMPANY
Rago Cavern Well No. 11
NE4 SW4 NW4 S15 T30S R7W
Plugged 8-16-96

Notes:

1. No scale.
2. All depths reference casing head flange.
3. After placing first cement plug, pressure tested casing, brine full, for 1 hour 2 minutes on 8-7-96 (pressure decayed from 331 to 327 1/2 psig). Witnessed and approved by KOHE (Mike Cochran).

315' (SURFACE CASING)

17 1/4" hole

13 3/8" x 48# H-40 casing

cement circulated to surface: 385 sx Class A w/2% gel, 3% CaCl; circulated 100 sx to pit

SECOND CEMENT PLUG (8-16-96)

263 sx Class C (14.8 ppg, yield 1.32 cu.ft./sk)

circulated to surface via tubing

698' (top of salt)

803' (top of first cement plug)

FIRST CEMENT PLUG (8-5-96)

17 sx "ASC" thixotropic Class C w/6% Calseal, 7% salt, 1% gel)(14.5 ppg, yield 1.33 cu.ft./sk)
placed by tubing

835' (cast iron bridge plug) (8-4-96)

855' (PRODUCTION CASING)

12 1/4" hole

9 5/8" x 36# K-55 casing

cement circulated to surface: 385 sx Incor SR (circulated 120 sx to pit)

CAVERN

last logged roof: 895'

last logged TD: 987'

original TD: 1070'

cavern connected to Cavern 10