

34-32-280

This form shall be filed in duplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on side one will be of public record and side two will then be held confidential.

Circle one: Oil, Gas, Dry, SWD, OWWO, Injection. Type and complete ALL sections. Gas Storage Applications must be filed for dual completion, commingling, SWD and injection.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR Southwest Gas Storage Company

API NO. 15 119 20424

ADDRESS Box 1348

COUNTY Meade

Kansas City, Missouri 64141

FIELD Borchers North

**CONTACT PERSON Mr. D. R. Carlile

PROD. FORMATION Morrow

PHONE (316) 873-5469

LEASE Heydecker

PURCHASER Panhandle Eastern Pipe Line Company

WELL NO. 1-34

ADDRESS Box 1348

WELL LOCATION 800'S & 400'W from

Kansas City, Missouri

Ft. from Line and

DRILLING Contractor Sage Drilling Company, Inc.

Ft. from Line of

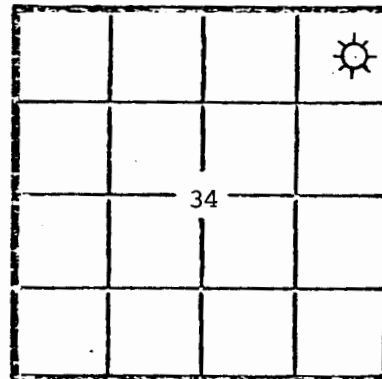
CONTRACTOR

ADDRESS 222 Sutton Place

the NE/4 SEC. 34 TWP. 32S RGE. 28W

Wichita, Kansas 67202

WELL PLAT



KCC KGS (Office Use)

PLUGGING

CONTRACTOR

ADDRESS State Geological Survey

WICHITA, BRANCH

TOTAL DEPTH 5669 PBD 5631

SPUD DATE 8-17-80 DATE COMPLETED 7-7-81

ELEV: GR 2467' DF 2477' KB 2478'

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS

Amount of surface pipe set and cemented 2586 DV Tool Used? No. JUN - 9 1982

AFFIDAVIT

REGISTRATION DIVISION Wichita, Kansas

STATE OF KANSAS, COUNTY OF MEADE SS, I,

D. R. CARLILE OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,

DEPOSES THAT HE IS FIELD SUPERINTENDENT (FOR)(OF) SOUTHWEST GAS STORAGE COMPANY

OPERATOR OF THE BORCHERS NORTH GAS STG. FIELD LEASE, AND IS DULY AUTHORIZED TO MAKE

THIS AFFIDAVIT FOR AND ON THE BEHALF OF SAID OPERATOR, THAT WELL NO. 1-34 ON

SAID LEASE HAS BEEN COMPLETED AS OF THE 7th DAY OF JULY, 1981, AND THAT

ALL INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

34-32-28w

SIDE TWO WELL LOG

Show all important zones of porosity and contents thereof; cased intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sand & Clay	0	250	Dual Induction Log	
Red Bed & Siltstone	250	1320	Gamma Ray/Neutron Density	
Red Bed & Anhydrite	1370	1520	Sonic	
Shale & Anhydrite streaks	1520	1970	Microlog	
Anhydrite	1970	2500	Gamma Ray/Neutron	
Lime	2500	2850		
Lime & Shale	2850	3600		
Shale w/Lime streaks	3600	4350		
Lime & Shale	4350	5530		
Shale & Sand	5530	5610		
Lime & Shale	5610	5668		
DST 4753-4770: Misrun DST 4753-4770: Open 10 min. Shut in - 30 min. IFP 30-103 psi ISIP-1630 psi. Open 60 min. SI-90 min. FFP 118-339 psi. FSIP 1630 psi. Rec 60' MSW & 600' SW. Core #1: 5488'-5513.5' Core #2: 5513.5'-5561' Core #3: 5561'-5570' Core #4: 5570'-5593'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
250 gal. 7-1/2% NE Acid w/5 gal Morflo, 3 gal PEN-5, 1 gal-HAI 75, 1 gal-3N & 5N.		5570'-78' & 5552'-56'
Date of first production: 7-7-81 (In service) Producing method (flowing, pumping, gas lift, etc.): Gas Storage Injection-Withdrawal Gravity:		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas
	bbbl.	MCF
Disposition of gas (vented, used on lease or sold): Gas Storage		Water %
		bbbl.
		Perforations 5570'-78'
		5552'-56' (Morrow)

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Conductor		20"	53	60'	Grout	6 cy	
Surface	12-1/4"	8-5/8"	28	2586'	HLC	500	2% cc, 10# Gilsonite
					HLC	500	2% cc
Production	7-7/8"	5-1/2"	17	5668'	Class H	300	2% cc
					Class H	50	5 gal Morflo
					50/50 Pozmix	250	18% Salt, 3/4% CFR-2
					Class H	50	5 gal Morflo
					LT	200	10% Salt, 10# Gi
					50/50 Pozmix	300	18% Salt, 3/4 R-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Pecker set at			
			4 JHPF	Steel Carrier	5570'-78'
			"	"	5552'-56'