

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 20532

ADDRESS P. O. Box 1348

COUNTY Meade

Kansas City, Missouri 64141

FIELD Borchers North
Cap Rock Observation

**CONTACT PERSON Mr. D. R. Carlile

PROD. FORMATION Lower Marmaton

PHONE (316) 873-5469

LEASE Isaac

PURCHASER Panhandle Eastern Pipe Line Company

WELL NO. 2-35

ADDRESS P. O. Box 1348

WELL LOCATION 900'S & 1000'E from

Kansas City, Missouri 64141

Ft. from Line and

DRILLING Sage Drilling Company, Inc.

Ft. from Line of

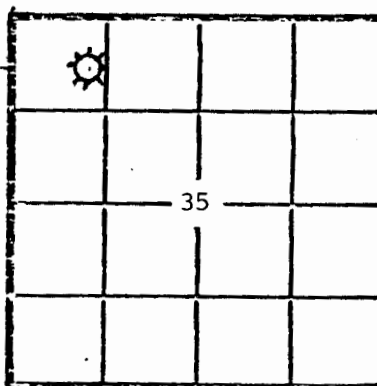
CONTRACTOR

ADDRESS 222 Sutton Place

the NW/4 SEC. 35 TWP. 32S RGE. 28W

Wichita, Kansas 67202

WELL PLAT



KCC ☒
KGS ☒
(Office Use)

PLUGGING

CONTRACTOR

ADDRESS

State Geological Survey
WICHITA, BRANCH

TOTAL DEPTH 5733' PBTD 5550'

SPUD DATE 10-10-81 DATE COMPLETED 3-14-82

ELEV: GR 2488' DF KB

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

Amount of surface pipe set and cemented 2599' DV Tool Used? No

AFFIDAVIT

STATE OF KANSAS, COUNTY OF MEADE SS, I, JUN - 9 1982

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

CONSERVATION DIVISION
Wichita, Kansas

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. 2-35 ON

SAID LEASE HAS BEEN COMPLETED AS OF THE 14th DAY OF March, 1982, AND THAT

THE FOREGOING TO SAID WELL IS TRUE AND CORRECT.

N7C-CE-22

35-32-28w

SIDE TWO

WELL LOG

Show all important zones of porosity and contents thereof; cored 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	0	60	Dual Induction Log	
Sand and shale	60	220	Gamma Ray/Neutron-Density	
Red bed	220	570		
Red bed, sand, anhydrite	570	1380		
Anhydrite	1380	1520		
Shale and anhydrite streaks	1520	2000		
Anhydrite	2000	2530		
Lime	2530	2750		
Lime and shale	2750	3620		
Shale, lime streaks	3620	4380		
Lime and shale	4380	5510		
Shale	5510	5530		
Lime and shale	5530	5744		

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used			Depth interval treated	
1000 Gal 15% FE Acid, 1% PEN-5, 1/2% Claysta			5667'-75' & 5646'-54'	
1000 Gal 15% FE Acid, 1% PEN-5, 1/2% Claysta			5587'-91'	
1000 Gal 15% FE Acid, 1% PEN-5, 1/2% Claysta			5249'-59'	
Date of first production		Producing method (flowing, pumping, gas lift, etc.)		Gravity
None		None		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water %	Gas-oil ratio
	bbl.	MCF	bbl.	CFPS
Disposition of gas (vented, used on lease or sold)			Perforations	
None			5248'-59'	

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	7 cy	
Surface	12	8-5/8	28	2599'	Thixotropic HLC Class H	700 sx 500 sx 350 sx	* 2% cc
Production		4-1/2	11.6	5724'	Thixotropic 50/50 Pozmix	50 sx 300 sx 300 sx	2% cc * **
*Thixotropic	12-1/2"	Gilsonite, 5% Salt		10# Calseal, 4% Gel		1/4# Flo	cele
**50/50 Pozmix	18% Salt	3/4% CFR-2					

LINER RECORD				PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement		Shots per ft.	Size & type	Depth interval
				4 JHPF	Steel Carrier	5667'-5675'
				4 JHPF	Steel Carrier	5646'-5654'
				"	"	5585'-5591'
TUBING RECORD						
Size	Setting depth	Packer set at		(Set bridge plug @ 5550')		
				4 JHPF	Steel Carrier	5249'-5259'