

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a 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.

Applications must be made dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

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

LICENSE # 5428 EXPIRATION DATE June 30, 1983

OPERATOR Graves Drilling Co., Inc. API NO. 15-007-21,506-00-00

ADDRESS 910 Union Center COUNTY Barber

Wichita, Kansas 67202 FIELD Bloom North

\*\* CONTACT PERSON Betty Brandt PROD. FORMATION Mississippi

PHONE 316 265-7233

PURCHASER Koch Oil Co. LEASE Smith

ADDRESS Wichita, Kansas 67201 WELL NO. 4

DRILLING CONTRACTOR Graves Drilling Co., Inc. WELL LOCATION C S/2 S/2 NE/4

ADDRESS 910 Union Center 2310 Ft. from North Line and

Wichita, Kansas 67202 1320 Ft. from East Line of the NE (Qtr.) SEC 11 TWP 32S RGE 12W

PLUGGING CONTRACTOR ADDRESS

WELL PLAT


(Office Use Only)

KCC  KGS

SWD/REP PLG.

TOTAL DEPTH 4662' PBTD 4368'

SPUD DATE 11-18-82 DATE COMPLETED 11-27-82

ELEV: GR 1455' DF 1463' KB 1466'

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

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 390' w/ 275 DV Tool Used? None

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - (Oil) Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO, Other

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

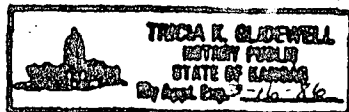
A F F I D A V I T

Betty Brandt, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

Betty Brandt (Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 16th day of December, 19 82.



Trica K. Glidewell (NOTARY PUBLIC)

MY COMMISSION EXPIRES:

Trica K. Glidewell

\*\* The person who can be reached by phone regarding any questions concerning this information.

**FILL IN WELL LOG AS REQUIRED:**

FORMATION DESCRIPTION, CONTENTS, ETC.			TOP	BOTTOM	NAME	DEPTH
Show all important zones of porosity and contents thereof; core 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.			
Sand			0	38	Log Tops:	
Red bed			38	390	Elgin Shale	3348 (-1882)
Shale & red bed			390	1057	Heebner	3494 (-2028)
Shale & lime			1057	1614	Lansing	3674 (-2208)
Shale			1614	1873	Stark	4055 (-2589)
Shale & lime			1873	4551	Mississippi	4398 (-2932)
Lime			4551	4662	Kinderhook Sh	4398 (-2932)
Rotary Total Depth				4662	Viola	4518 (-3052)
					Simpson Sh.	4606 (-3140)
					Simpson Sand	4665 (-3172)
					LTD	4665 (-3199)

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	Seals	Type and percent additives
Surface	12 1/4"	8-5/8"	24#	390'	common	275 sx.	2% Gel, 3% CC
Production	7-7/8"	5-1/2"	14.5#	4404'	R.F.C.	150	250 gal. mud flu.

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Seals cement	Shots per ft.	Size & type	Depth interval
			2 shots		4244-4250
<b>TUBING RECORD</b>			2 shots		4258-4260
Size	Setting depth	Factor set at	2 shots		4266-4268

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
Acidized with 500 gallons 10% acid & 1500 gallons 5% gelled acid & 164 bbls. of fluid	
Frac with 75,000# 10-20 sand and 1100 barrels of gelled water	

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
	Pumping	
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas
	50 bbls.	40 MCF
Disposition of gas (vented, used on lease or sold)	Water	Gas-oil ratio
Sold	%	1:1
	Perforations	C/P/B

# Graves DRILLING CO. INC.

TEL. 316-265-7233

910 UNION CENTER

WICHITA, KANSAS 67202

## DRILLING REPORT

Re: Smith No. 4  
Approx. S/2 S/2 NE/4  
Section 11-32S-12W  
Barber County, Kansas  
Elevation: 1455 G L.  
1466 K.B.  
API No. 15-007-21,506

- 11-18-82 Moved in, rigged up and spud at 1:15 P.M. Cut 390' of 12 $\frac{1}{2}$ " hole, SHT off  $\frac{1}{2}$ "<sup>o</sup>. Ran 10 Jts. new 8-5/8" 24# casing, tallied 377.92' set @ 390' with 275 sacks cement, 2% Gel, 3% CC. Plug to 370' at 6:15 P.M.
- 11-19-82 Drilling @ 1335' at 8:30 A.M.  
11-20-82 Drilling @ 2110' at 8:00 A.M.  
11-21-82 Drilling @ 2840' at 8:00 A.M.  
11-22-82 Drilling @ 3460' at 7:30 A.M.  
11-23-82 Drilling @ 3945' at 9:45 A.M.  
11-24-82 Drilling @ 4194' at 9:00 A.M.  
11-25-82 Drilling @ 4347' at 6:00 A.M.  
11-26-82 Drilling @ 4451' at 6:00 A.M.  
11-27-82 Running electric log at 4662' @ 6:00 A.M. Ran 107 Jts. 5 $\frac{1}{2}$ " 14.5# casing, tallied 4393.53' set @ 4404' with 150 sacks R.F.C. cement with 250 gallons of mud flush. Plug to 4368' K.B. measurement @ 6:30 P.M.

### Log Tops:

Elgin Shale	3348 (-1882)
Heebner	3494 (-2028)
Lansing	3674 (-2208)
Stark	4055 (-2589)
Mississippi	4241 (-2775)
Kinderhook Shale	4398 (-2932)
Viola	4518 (-3052)
Simpson Shale	4606 (-3140)
Simpson Sand	4638 (-3172)
LTD	4665 (-3199)

### Sample Tops:

Heebner	3492 (-2026)
Lansing	3674 (-2208)
Stark	4056 (-2590)
Mississippi	4241 (-2775)
Kinderhook Shale	4397 (-2931)
Viola	4515 (-3049)
Simpson Shale	4607 (-3141)
Simpson Sand	4637 (-3171)
RTD	4662 (-3196)

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910 UNION CENTER

WICHITA, KANSAS 67202

## COMPLETION REPORT

Re: Smith No. 4  
Approx. S/2 S/2 NE/4  
Section 11-32S-12W  
Barber County, Kansas

- 12- 6-82 Moved in Clarke's tools, rigged up & perforated from 4244' to 4250'; 4258' to 4260' and 4266' to 4268', 2 shots per foot. Slight show of gas.
- 12- 7-82 Overnight fill up 50' of oil and 50' of water. Show of gas. Acidized with 500 gallons 10% acid and 1500 gallons 5% gelled acid with a total of 164 gallons of fluid. Swab to bottom. On a 2 hour swab test recovered 4½ barrels of fluid per hour, 80% oil. Venting a small amount of gas.
- 12- 8-82 120# on casing. Overnight fill up 1000' of fluid, 800' of oil and 200' of wtr. Frac with 75,000# 10-20 sand and 1140 barrels of gelled water. Broke @ 1100#. Treated at 1900#. ISIP 1400#.
- 12- 9-82 Casing pressure 100#. Shut in.
- 12-10-82 Will reperfurate from 4242' to 4270', 2 shots per foot. Will clean out sand & run tubing. Ran 137 Jts. 2" used tubing, tallied 4340.74' set 5' off bottom @ 4337' K. B. measurement. Circulate 52' of frac sand out of rat hole. Complete @ 3:30 P.M.,. Rig up & pull tubing.
- 12-11-82 Finish pulling tubing. Go in hole with M.A., S.N. and 137 Jts. tubing. Rig up tubing swab & start swabbing frac load @ 1:15 PM Shut down @ 5:00 PM. Swabbed 132 barrels with show of oil & gas
- 12-13-82 Swabbed 210 barrels, averaged 32% oil.
- 12-14-82 Found fluid @ 3070' (1140' of oil) or 52% oil. Will run rods & put on pumping unit. Report complete.