TYPE AFFIDAVIT OF COMPLETION FORM ACO-1 WELL HISTORY

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.
X 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 on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.
X 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 # 6234 EXPIRATION DATE 6-30-83

OPERATOR M.L. Brown Co. API NO. 15-033-20,563 0000

ADDRESS 200 Sutton Place COUNTY Comanche

Wichita, KS 67202 FIELD

** CONTACT PERSON Vern Haselhorst PROD. FORMATION Miss.

PHONE 316/265-4651

PURCHASER Kansas Gas Supply LEASE V.L. SMITH

ADDRESS Box 300 WELL NO. 1

Tulsa, Okla. 74102 WELL LOCATION 245'W & 130'N of NWN

DRILLING CONTRACTOR Abercrombie Drilling, Inc. 200 Ft. from North Line and

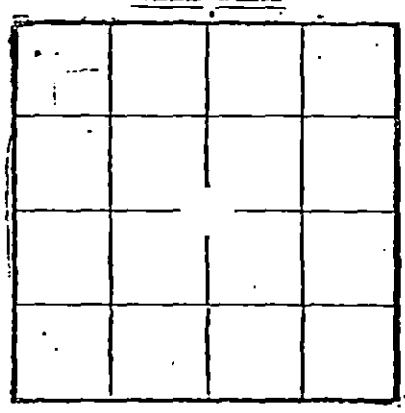
ADDRESS 801 Union Center 85 Ft. from West Line of

Wichita, KS 67202 the NW (Qtr.) SEC 26 TWP 31S RGE 17W.

PLUGGING CONTRACTOR None

ADDRESS

WELL PLAT



(Office Use Only)
KCC
KGS
SWD/REP
PLG.

TOTAL DEPTH 5070' PBTD

SPUD DATE 6/12/82 DATE COMPLETED

ELEV: GR 1971' DF 1974' KB 1976'

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 493.20' DV Tool Used? NO

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

Vern Haselhorst, 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.

Vern Haselhorst
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 3rd day of November, 19 82.

NOTARY Appointment

Marjorie P. Jennings (NOTARY PUBLIC)

MY COMMISSION EXPIRES: July 29, 1985

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

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OCT 25 1983
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR Maurice L. Brown Co. LEASE V.L. SMITH SEC. 26 TWP. 31S RGE. 17W

FILL IN WELL LOG AS REQUIRED:

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 & Shale	0	872		
Shale	872	2046		
Anhydrite	2046	2071		
Shale	2071	4135		
Shale & Lime	4135	4300		
Shale	4300	4600		
Lime & Shale	4600	4810		
Lime	4810	5070		
Rotary Total Depth	5070			

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
Surface	17¼"	13 3/8"	32#	69'	Class A	90	3% c.c., ½# Floce
	12¼"	8 5/8"	24#	500'	HLC	250	3% c.c., ½# Floce
					Class A	150	3% c.c., ½# Floce
Production		5½"	14#	5068'	Hal. Light	150	10# Gilsinite
					65-35 posmix 100		10% Salt, .75% CFR
							10# Gilsinite

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	4954'	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
6 SPF	E bullets	4970-71'
4 SPF	E Bullets	4969-70
4 SPF	DML Densi Jet	4921-25'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal. 15% NE Acid	4921-25'

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Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
SI		

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	% bbls.	CFPB

Disposition of gas (vented, used on lease or sold)

Perforations

FORMATIONS (Cont'd):

Stotler	3377	3377	-1401
Tarkio	3431	3430	-1454
Howard	3612	3611	-1635
Topeka	3781	3781	-1805
Queen Hill	3942	3941	-1965
Heebner	4099	4096	-2120
Douglas Shale	4149	4144	-2168
Brown Lime	4273	4271	-2295
Lansing	4293	4290	-2314
Base Kansas City	4722	4719	-2743
Marmaton	4736	4736	-2760
Marmaton 'X'	4770	4770	-2794
Cherokee	4860	4857	-2881
Rew. Mississippian	4902	4902	-2926
Sol. Mississippian	4912	4914	-2938
TD	5070	5071	-3095

DRILL STEM TESTS:

A geological log is included with this report and is considered a part of it. Refer to it for sample descriptions. The following are drill stem test results.

Marmaton X, 4770 (4770 EL)

DST NO. 1
4757-4810 feet

Open 60 minutes, very weak blow decreased throughout. Shut-in 60 minutes
Open 60 minutes, no blow. Shut-in 60 minutes.
Recovered 30 feet of heavy mud.

Initial Hydrostatic Head	2431 psi
Initial Flow Pressure	59-59 psi
Initial Shut-in Pressure	69 psi
Final Flow Pressure	59-59 psi
Final Shut-in Pressure	69 psi
Final Hydrostatic Head	2431 psi
Temperature	110°

Mississippian, 4902 (4902)

DST NO. 2
4887-4931 feet

Open 60 minutes, strong blow immediately gas-to-surface in 6 minutes, gauged 222 mcfgpd. Shut-in 60 minutes. Open 150 minutes, gauged 331 mcfgpd. Shut-in 180 minutes.
Recovered 190 feet of slightly gas cut mud.

DRILL STEM TESTS (Cont'd):

Mississippian, 4902 (4902 sL) Cont'd

DST NO. 2

Initial Hydrostatic Head	2554 psi
Initial Flow Pressure	59-99 psi
Initial Shut-in Pressure	1519 psi
Final Flow Pressure	79-99 psi
Final Shut-in Pressure	1479 psi
Final Hydrostatic Head	2533 psi
Temperature	113°

	Time	Choke	PSI	Rate (mcf)
1st Flow	6 Min.	¼"	11	32.4
	11 "	¼"	28	59
	16 "	¼"	35	69
	21 "	¼"	47	85.5
	25 "	¼"	50	331
	30 "	½"	31	237
	35 "	½"	29	226
	40 "	½"	27	216
	45 "	½"	27	216
	50 "	½"	27	216
	55 "	½"	27	216
	60 "	½"	28	222
2nd Flow	0 "	½"	20	177
	5 "	"	28	222
	10 "	"	32	243
	15 "	"	33	248
	20 "	"	34	253
	25 "	"	35	260
	30 "	"	35.5	262.5
	35 "	"	36	265
	40 "	"	37	270
	45 "	"	37.5	272.5
	50 "	"	38	275
	55 "	"	38.5	277
	60 "	"	39	279
	65 "	"	39.5	282.5
	70 "	"	40	285
	75 "	"	40.5	287.5
	80 "	3/4 "	32	546
	85 "	"	18	370
	90 "	"	15	331
	95 "	"	14	317
	100 "	"	14	317
	105 "	"	14	317
	110 "	"	14	317

DRILL STEM TESTS (Cont'd):

Mississippian, DST NO. 2 Cont'd

Time	Choke	PSI	Rate (mcf)
115 Min.	3/4 "	14	317
120 "	"	14	317
125 "	"	14.5	324
130 "	"	14.5	324
135 "	"	14.5	324
140 "	"	15	331
145 "	"	15	331
150 "	"	15	331

Mississippian, 4902 (4902 EL)

DST NO. 3
4933-4956 feet

Open 75 minutes, strong blow in 30 seconds, gas-to-surface in 10 minutes, gauged 85, mcfpd. Shut-in 60 minutes. Open 120 minutes, gauged 78.1 mcfgpd. Shut-in 150 minutes.
Recovered 125 feet of drilling mud and 90 feet of slightly oil cut muddy salt water.

Initial Hydrostatic Head	2554 psi
Initial Flow Pressure	20-79 psi
Initial Shut-in Pressure	1459 psi
Final Flow Pressure	59-69 psi
Final Shut-in Pressure	1428 psi
Final Hydrostatic Head	2554 psi
Temperature	115°

	Time	Choke	PSI	Rate (mcf)
1st Flow	10 Min.	3/8 "	2	27
	15 "	"	3.5	36.3
	20 "	"	5	44.2
	25 "	"	8.5	59.3
	30 "	"	10	65.3
	35 "	"	11.5	70.95
	40 "	"	13	76
	45 "	"	13.5	77.7
	50 "	"	14	79.7
	55 "	"	14.5	81.2
	60 "	"	15	83.2

DRILL STEM TESTS (Cont'd):

Mississippian, DST NO. 3 Cont'd

	Time	Choke	PSI	Rate (mcf)
1st Flow (Cont'd)	65 "	3/8 "	15	83.2
	70 "	"	15.5	85
	75 "	"	15.5	85
2nd Flow	0 "	½"	7	97.8
	5 "	"	10.5	118.5
	10 "	"	10	116
	15 "	"	9	108
	20 "	"	8	101
	25 "	"	8	97.8
	30 "	"	7.5	94.5
	35 "	"	7	94.5
	40 "	"	7	94.5
	45 "	"	7	94.5
	50 "	"	6.5	90.1
	55 "	"	6.5	90.1
	60 "	"	6.5	90.1
	65 "	"	6	86.3
	70 "	"	6	86.3
	75 "	"	6	86.3
	80 "	"	5.5	81.8
	85 "	"	5.5	81.8
	90 "	"	5.5	81.8
	95 "	"	5.5	81.8
	100 "	"	5	78.1
	105 "	"	5	78.1
	110 "	"	5	78.1
	115 "	"	5	78.1
	120 "	"	5	78.1

RECOMMENDATIONS AND CONCLUSIONS:

The following is a structural comparison of the No. 1 V. L. Smith to the Mesa No. 1 Hashknife (1070 FNL, 1650 FEL, Sec 34-31S-17W) and the Sidwell No. 1 Pepperd (150 E of C SE Sec 21-31S-17W).