

State Geological Survey
KANSAS DRILLERS LOG WICHITA, BRANCH

API No. 15 — 065 — 20834
 County Number

S: 34 T. 8 R. 23 W

Loc. N/2 NE NE

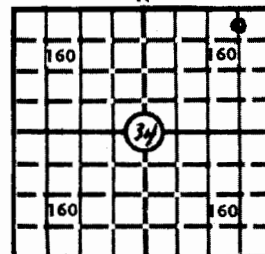
Operator
M. L. Brown Co.

County Graham

Address
1500 Vickers KSBT Bldg. Wichita, KS 67202

640 Acres

Well No. 1 Lease Name Cassel



Footage Location
330 feet from (N) line 660 feet from (E) line

Principal Contractor Abercrombie Drlg. Geologist Ed Donnelly

Spud Date 5-24-76 Total Depth 3810 P.B.T.D. 3970

Elev.: Gr. 2228

Date Completed 6-30-76 Oil Purchaser Permian

DF _____ KB 2236

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

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	12 1/4	8 7/8	24	227	Common	190	3% CCl.
Oil	7 7/8	5 1/2	15.5	3807	HLC 1st Sta.	50	10% Gilsonite/sk.
					POZ (65-35) 2nd Sta.	150	10% AlCl, 1/2% Tuf Fiber
					HLC	450	10% Gilsonite/sk.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1	3/8 Bullet	"H" - 3686-87-88' "I" - 3909-10' "J" - 3724-24 1/2'

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8	3759	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
600 GMA	Above 7 holes.
12,000 GA	"

INITIAL PRODUCTION

Date of first production <u>7-15-76</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pump</u>		
RATE OF PRODUCTION PER 24 HOURS	Oil <u>60</u> bbls.	Gas <u>-</u> MCF	Water <u>0</u> bbls.
Disposition of gas (vented, used on lease or sold)		Producing interval (s) <u>Kansas City "H", "I", "J"</u>	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator *M.L. Brown Co.* DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. *1* Lease Name *Cassel* *oil*

S *34* T *8* R *23* W

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

See attached logs.

Dresser Atlas

1. GRN laterolog

2. Proximity Log

3. BHC Acoustic Log

Geol. Strip Log

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received *Steve Park* Signature
Division Engr. Title
7-22-76 Date

55557

CONTRACTOR'S WELL LOG

15-065-20834

OPERATOR:	The Maurice L. Brown Company
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	CASSEL #1
LOCATION:	N/2 NE NE Section 34-8S-23W Graham County, Kansas
SPUD DATE:	May 25, 1976
COMPLETION DATE:	June 3, 1976

0	10	Clay & Sand
10	69	Rock
69	217	Clay & Sand
217	1040	Shale
1040	1450	Shale
1450	1656	Sand
1656	1800	Shale & Sand
1800	1895	Shale
1895	1933	Anhydrite
1933	2597	Shale
2597	2750	Lime & Shale
2750	3145	Shale & Lime
3145	3250	Lime & Shale
3250	3404	Shale & Lime
3404	3490	Lime & Shale
3490	3580	Lime
3580	3702	Shale & Lime
3702	3810	Lime
	3810	Rotary Total Depth

Drilled 227' of 12 $\frac{1}{4}$ " hole. Ran 5 jts. 8 5/8" casing, Tallied 217.42', Set @ 227' K.B. Cemented with 190 sx. Class "A", 3% ca. cl. Cement did circulate. Plug was down @ 4:35 a.m. May 25, 1976.

Ran 111 jts. of 5 $\frac{1}{2}$ " casing, Set @ 3806'. Cemented 1st stage with 50 sx of Halliburton light and 150 sx. Posmix, Cement top stage with 450 sx. of Halliburton Light. Cement did circulate. Plug was down @ 9:30 p.m. June 3, 1976.

SAMPLE TOPS:

Anhydrite	1895'
B/Anhydrite	1933'