

15-176-20097-00-00

DRILLERS LOG

SMITH "A" NO. 1

|                                       |                                |                                                 |
|---------------------------------------|--------------------------------|-------------------------------------------------|
| CASING RECORD:                        | OPERATOR: Maurice L. Brown Co. | DESCRIPTION:                                    |
| 8-5/8" set @ 357'<br>w/300 sax cement | CONTRACTOR: Sage Drilling Co.  | C NW SW<br>Sec. 25-19S-33W<br>Scott Co., Kansas |
| TOTAL DEPTH:<br>4839'                 | COMMENCED: August 21, 1976     | ELEVATION: 2960KB                               |
|                                       | COMPLETED: September 9, 1976   |                                                 |

| <u>FORMATION</u>    | <u>FROM</u> | <u>TO</u> | <u>REMARKS</u>                         |
|---------------------|-------------|-----------|----------------------------------------|
| Surface Soil & Sand | 0           | 360       |                                        |
| Shale               | 360         | 860       |                                        |
| Shale & Sand        | 860         | 1164      |                                        |
| Sand                | 1164        | 2035      |                                        |
| Sand & Shale        | 2035        | 2450      |                                        |
| Shale & Lime        | 2450        | 2800      |                                        |
| Lime & Shale        | 2800        | 3830      |                                        |
| Lime                | 3830        | 4562      |                                        |
| Core #1             | 4562        | 4585      |                                        |
| Core #2             | 4585        | 4609      |                                        |
| Lime                | 4609        | 4839      | 5 1/2" set @ 4837'<br>w/250 sax cement |

I certify that this is a true and correct copy of the above log to the best of my knowledge.

SAGE DRILLING CO., INC.

By T. M. McCaul, Jr.  
T. M. McCaul, Jr.



Subscribed and sworn to before me this 13th day of September, 1976.

Louise K. Whitted  
Louise K. Whitted, Notary Public

My commission expires:  
November 26, 1978.

RECEIVED  
STATE CORPORATION COMMISSION

AUG 02 1983

WICHITA, KANSAS

**KANSAS DRILLERS LOG**

S. 25 T. 19 R. 33 <sup>R</sup> <sub>W</sub>

Loc. C NW SW

County Scott

API No. 15 - 171 - 20097-00-00  
County Number

Operator  
**The Maurice L. Brown Company**

Address  
**200 Sutton Place, Wichita, KS 67202**

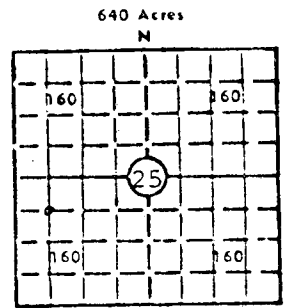
Well No. 1 Lease Name Smith "A"

Footage Location  
1990 feet from (N) (S) line 1990 feet from (E) (W) line

Principal Contractor Sage Drilling Company Geologist Raymond E. Palmer

Spud Date 8/21/76 Total Depth 4842 P.B.T.D. 4804

Date Completed 10/26/76 Oil Purchaser \_\_\_\_\_



Elev.: Gr. 2955  
 DF \_\_\_\_\_ KB 2960

**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 5/8                     | 24              | 357           | HLC Common       | 150   | 3% CC                      |
| Production        | 7 7/8             | 5 1/2                     | 15 1/2          | 4840          | 65/35 Pozmix HLC | 150   |                            |
|                   |                   |                           |                 |               |                  | 100   |                            |

**LINER RECORD**

**PERFORATION RECORD**

| Top, ft.           | Bottom, ft.                | Sacks cement         | Shots per ft. | Size & type | Depth interval            |
|--------------------|----------------------------|----------------------|---------------|-------------|---------------------------|
|                    |                            |                      | 4             | Jumbo Jet   | 4712-18                   |
|                    |                            |                      | 4             | Bullets     | "                         |
|                    |                            |                      | 4             | Jumbo Jet   | 4620-25                   |
|                    |                            |                      | 4             | Bullets     | "                         |
| Size <u>2 1/2"</u> | Setting depth <u>4795'</u> | Packer set, at _____ | 4             | Jumbo Jet   | 4462-67 (Ssz. of bullets) |

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

| Amount and kind of material used                                  | Depth interval treated |
|-------------------------------------------------------------------|------------------------|
| 500 gal. SME, retreated 2500 gal. R-4, 1500 gal. S-28, 500gal R-4 | 4712-18                |
|                                                                   | 4620-25                |
| Squeeze 45 sxs common cement                                      | 4462-67                |

**INITIAL PRODUCTION**

Date of first production 10/27/76 Producing method (flowing, pumping, gas lift, etc.) Pumping

|                                 |                      |               |                   |                     |            |
|---------------------------------|----------------------|---------------|-------------------|---------------------|------------|
| RATE OF PRODUCTION PER 24 HOURS | Oil <u>143</u> bbls. | Gas _____ MCF | Water _____ bbls. | Gas-oil ratio _____ | CFPB _____ |
|---------------------------------|----------------------|---------------|-------------------|---------------------|------------|

Disposition of gas (vented, used on lease or sold): \_\_\_\_\_ Producing interval(s) 4712-18

**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 12027, Wichita, Kansas 67212. Phone: AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Maurice L. Brown Company

#1 Smith "A"  
Scott County

15-171-20097-00-00

C NW SW  
Sec. 25-19S-33W

Contr: Sage Drilling Company

Casing: 8 5/8" 357'/300 sxs  
5 1/2" 4840'/250 sxs

Elev: 2960' KB

Comm: 8/21/76

Comp: 10/26/76 IP: 143 BOPD

| <u>Log Tops</u> | <u>Depth</u> | <u>Datum</u> |
|-----------------|--------------|--------------|
| Heebner         | 3821         | - 861        |
| Toronto         | 3829         | - 869        |
| Lansing         | 3862         | - 902        |
| BKC             | 4271         | -1311        |
| Marmaton        | 4296         | -1336        |
| Beymer          | 4368         | -1408        |
| Johnson         | 4398         | -1438        |
| Cherokee        | 4412         | -1452        |
| Morrow Shale    | 4558         | -1598        |
| Mississippian   | 4604         | -1644        |
| Spergen Ø       | 4792         | -1832        |
| Total Depth     | 4842         | -1882        |

DST #1 3701-3830'  
45"-45"-45"-60"  
Rec. 1920' SW  
IFP 159-739#  
ISIP 1028#  
FFP 739-896#  
FSIP 1028#

DST #5 4555-4609'  
60"-60"-60"-120"  
Rec. 6' DM  
IFP 39-39#  
ISIP 104#  
FFP 39-39#  
FSIP 131#

DST #9 4214-28' Straddle  
45"-45"-45"-30"  
Rec. 1600' Sulf. SW &  
50' SO iron sulphide wtr  
IFP 52-889#  
ISIP 1149#  
FFP 889-1018#  
FSIP 1149#

DST #2 3833-68'  
45"-45"-45"-?  
Rec. 1940' SOCSW  
IFP 132-686#  
ISIP 1001#  
FFP 686-844#  
FSIP 1001#

DST #6 4783-4804'  
45"-45"-45"-60"  
Rec. 1324' Sulf. SW  
IFP 13-366#  
ISIP 1253#  
FFP 366-613#  
FSIP 1253#

DST #10 4615-30' Straddl  
60"-60"-60"-120"  
Rec. 15' SOSM  
IFP 26-39#  
ISIP 1240#  
FFP 39-39#  
FSIP 1331#

DST #3 3908-28'  
45"-45"-45"-90"  
Rec. 30' M  
IFP 27-27#  
ISIP 1027#  
FFP 27-53#  
FSIP 1027#

DST #7 4705-25' Straddle  
45"-45"-45"-45"  
Rec. 3' O, 97' OCWM  
IFP 26-52#  
ISIP 1018#  
FFP 52-78#  
FSIP 992#

DST #11 4016-30' Straddl  
60"-60"-60"-120"  
Rec. 376' SOCWM, 60' OC  
sulf. SW  
IFP 26-105#  
ISIP 1071#  
FFP 105-183#  
FSIP 1071#

DST #4 3975-4018'  
45"-45"-45"-60"  
Rec. 890' SW  
IFP 52-291#  
ISIP 1001#  
FFP 291-423#  
FSIP 1001#

DST #8 4455-97' Straddle  
60"-60"-60"-120"  
Rec. 2' O, 150' OCWM  
IFP 26-78#  
ISIP 1227#  
FFP 78-105#  
FSIP 1227#

DST #12 3831-38' Straddl  
tool stuck  
IFP 52-940#