

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

25-34-13W

S. 25 T. 34 R. 13
Loc. 660' FSL & 1815' FEL

API No. 15 — 007 — 20,376
County Number

County Barber

Operator
Andover Oil Company

Address
912 Philtower Building Tulsa, Oklahoma

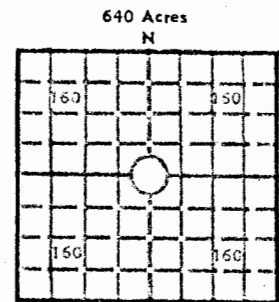
Well No. #1 Lease Name Helena Sterling Trust

Footage Location
660 feet from (N) (S) line 1815 feet from (E) (W) line

Principal Contractor DNB Drilling Geologist Bob Sandridge

Spud Date 12-8-75 Total Depth 4970' P.B.T.D. 4935'

Date Completed 12-27-75 Oil Purchaser Derby Refining Company



Elev.: Gr. 1483
DF _____ KB 1488

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	207	Regular	170	3% CC
Production	7-7/8	4-1/2	10.5	4970	RFC	125	1% CC

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			16 holes		4805-34'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	4692.07	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See Attached	

RECEIVED
STATE CORPORATION COMMISSION

FEB 4 1976

INITIAL PRODUCTION CONSERVATION DIVISION

Date of first production 1-2-76	Producing method (flowing, pumping, etc.) Pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 26 bbls. Gas 17 MCF Water 18 bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval(s)

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 **Andover Oil Company** DESIGNATE TYPE OF COM. DRY HOLE, SWDW, ETC.: **oil**

Well No. **1** Lease Name **Helena Sterling Trust**

S 25 T 34 R 13 ^E _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
<p>DST #1 4808-58 Open 15 min. SI 30 min. Open 60 min. SI 120 min. Good blow air, increasing to strong blow in 2 min. GTS in 20 min., 15,700 CFPB on 1/4 choke in 25 min., 29,000 CFPD on 1/4 choke in 35 min., 53,200 CFPD on 3/8 choke in 45 min, 48,800 CFPD on 3/8 choke in 55 min. & stabilized at that rate for remainder of flow period. Rec. 100' SOCM, 240' OCM and 40' HOCM.</p>				
<p>4789' IH 2577 IF 40-79 ISI 1008 FF 59-98 FSI 1028 FH 2538</p>				
<p>4854' IH 2601 IF 118-119* ISI 1008 FF 59-139 FSI 1028 FH 2481</p>				
<p>*tool plugging slightly</p>				

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

Date Received	<p style="text-align: center;"><u>Bobby Young</u> Signature</p> <p style="text-align: center;"><u>Manager Drilling & Production</u> Title</p> <p style="text-align: center;"><u>February 3, 1976</u> Date</p>
---------------	---

25-34-13W

ANDOVER OIL COMPANY
H. Sterling Trust #1
Section 25-T34S-R13W
Barber County, Kansas

Dowell broke down Mississippi chat @ 1400#. Acidized w. 1000 gal 15% Hcl acid w/5 gal W-39 non-emulsifier, using 25 PBS. AIR 10 BPM @ 1500#. Balled off @ 2500#. Ran junk basket, knocked PBS off of perforations. Pumped 60 bbls 1% Kcl water w/W-39 non-emulsifier to determine section of zone treated. Ran TDL log 96% of fluid in zone 4804-35'. Zone 4800-04' and 4835-38' taking balance of fluid. Dowell fraced Mississippi Chat w/40,000 gal YFG-4, 1% Kcl, W-39 non-emulsifier and 60,000# 10/20 sand in the following order:

5000 gal pad without sand
5000 gal w/1# 10/20 sand per gal
5000 gal w/1-1/2# 10/20 sand per gal
25,000 gal w/2# 10/20 sand per gal

Flushed w/105 bbls 1% Kcl water + W-39, 10 bbls. over flush, AIR 32 BPM @ 1500#, ISDP 700#, 15 min. 500#, 35 min. vaccum. TDL log indicates : 4800-4811' trace.

4811-28'	60%
4828-70'	30%
4870-4920'	10%

RECEIVED
STATE CONSERVATION COMMISSION

FEB 4 1976

CONSERVATION DIVISION
Wichita, Kansas

25-34-13W

DRILLERS' LOG

SANDS DRILLING CO.

No. 1 Helena Sterling Trust No. 1
165' E of C SW SE, Sec. 25-34S-13W
Barber County, Kansas

Elev:

Commenced: 12-8-75
Completed: 12-18-75

Surface Casing: 198.70' of
8-5/8" cemented w/170 sx common
cement, 3% cc. 12-8-75

<u>FORMATION</u>	<u>DEPTH</u>
Surface Hole	0 - 207
Shale	207 - 250
Red Bed & Shale	250 - 1250
Shale	1250 - 2000
Shale & Lime	2000 - 2145
Lime & Shale	2145 - 2350
Shale & Lime	2350 - 2575
Lime & Shale	2575 - 3055
Shale & Lime	3055 - 3285
Lime & Shale	3285 - 3740
Shale & Lime	3740 - 4075
Lime & Shale	4075 - 4422
Lime	4422 - 4360
Lime & Shale	4360 - 4580
Lime	4580 - 4672
Lime & Shale	4672 - 4858
Shale & Lime	4858 - 4942
Lime	4942 - 4970 RTD

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

D N B DRILLING, INC.

James L. Donelson
JAMES L. DONELSON

RECEIVED
STATE CORPORATION COMMISSION

FEB 4 1976

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS: ss:

Subscribed and sworn to before me this 21st day of December, 1975.

Ella Priess

Ella Priess, Notary Public

<p><i>Ella Priess</i> STATE NOTARY PUBLIC Sedgwick County, Kansas My Com. Expires Aug. 25, 1976</p>
