

KANSAS *PI*

WELL COMPLETION REPORT AND DRILLER'S LOG

*State Geological Survey*  
WICHITA BRANCH

S. 16 T. 11 R. 18 W

API No. 15 — ELLIS — 051-22-493  
County Number

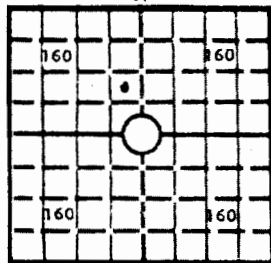
Loc. NE SE NW

Operator A. H. EXPLORATION INC.

County ELLIS

Address #700, 435 - 4th Avenue, S.W., Calgary, Alberta T2P 3A8

640 Acres  
N



Well No. 1 Lease Name WASINGER

Footage Location 1650 feet from (N) line 330 feet from (E) line NW 1/4

Principal Contractor EMPHASIS OIL OPERATIONS Geologist

Spud Date 01-07-03 Date Completed 08-08-20 Total Depth 4030' P.B.T.D. 3275'

Locate well correctly  
Elev.: Gr. 1879'

Directional Deviation No Oil and/or Gas Purchaser

DF \_\_\_\_\_ KB 1884'

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"	20#	1185'	Class A	56	2% gel + 3% CaCl <sub>2</sub>
PRODUCTION	7 7/8"	5 1/2"	14#	4030'	Class A	240	10% salt + .25% CFR2 + .4% Halad #9

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			SEE ATTACHED		
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
SEE ATTACHED	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
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)			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, 245 No. Water, Wichita, Kansas 67202. 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 A. H. EXPLORATION INC. DESIGNATE TYPE OF COMP.: OIL, GA. DRY HOLE, SWDW, ETC.: 84732

Well No. 1 Lease Name WASINGER

S 16 T 11 R 18 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
DST #1 LANCING (Conventional Test) PF 60, Misrun. Rec'd 75' mud	3158'	3175'		
DST #2 ARBUCKLE (Conventional Test) 15/30/60/120. Strong air blow on preflow. Strong air blow on valve open decreasing steadily. Rec'd 2450' muddy salt water. IHP 1829 IFP 747 ISIP 1154 FHP 1819 FFP 806 FSIP 1184	3441'	3481'		
DST #3 LANCING (Conventional Test) 15/60/60/120. Rec'd 690' mud IHP 1710 IFP 26 ISIP 26 FHP 1672 FFP 26 FSIP 39	3162'	3174'		
DST #4 LANCING (Conventional Test) 15/30. Tool plugging. Terminate test.	3303'	3315'		
CORE #1 3450' - 3480' ARBUCKLE Cut 30', Rec'd 30'.				
LOGS: DIL, DLL, SONIC, CNL-FDC, PROXIMITY MICROLATERLOG, NATURAL GAMMA RAY SPECTROSCOPY, VARIABLE DENSITY, VARIABLE INTENSITY CEMENT BOND.				
TOPS: Heebner Shale 3088' TORONTO 3105' Lancing 3129' Basal KC 3353' Conglomerate 3383' Simpson 3451' Arbuckle 3460' Granite Wash 3983'				

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

Date Received	<i>Don Myers</i>	<i>Norm Schonhoffer</i>
	DON MYERS SENIOR DRILLING ENGINEER	SIGNATURE NORM SCHONHOFFER COMPLETIONS SUPERVISOR TITLE
Date		

PI

16-11-18w

WELL COMPLETION REPORT  
AND DRILLER'S LOG  
FOR  
WASINGER #1

---

Perforate Mid Arbuckle 3640' - 3644' and 3630' - 3636' @ 2 SPF with 4" HSC casing gun.

Perforate Mid Arbuckle 3618 - 3620 @ 4 SPF with 4" HSC casing gun.  
Set bridge plug at 3600' KB. Dump bail 25' cement on bridge plug.

Perforate Simpson 3450' - 3454' @ 4 SPF with 4" casing gun.  
Acidize with 250 gals. intensified HCL acid + inhibitor.  
Acidize with 1000 gals. 15% HCL + demulsifier.  
Set bridge plug at 3425' KB.

Perforate Lower Lancing 3311' - 3314' @ 4 SPF with 4" HSC casing gun.  
Acidize with 500 gals. 15% HCL + demulsifier. Acidize with 1000 gals.  
15% HCL + demulsifier + inhibitor. Set bridge plug at 3291' KB.

Perforate Lancing "G" 3226' - 3238' @ 2 SPF with 4" HSC casing gun.  
Acidize w/500 gals. 15% HCL + demulsifier.  
Set permanent bridge plug at 3300' KB to cover 3311' - 3314' KB perms.  
Dump bail 25' cement on bridge plug.

Cement squeeze Lancing "G" perms 3226' - 3238' w/200 sx. cement +  
.04% HA9.

Perforate Lancing "B" 3170' - 3177' @ 2 SPF with 4" HSC casing gun.  
Acidize with 500 gals. 15% HCL + demulsifier + inhibitor.  
Acidize with 2000 gals. 15% HCL + demulsifier + inhibitor + ball sealers.

Rig Out and Move.

STATUS: SUSPENDED