

KANSAS DRILLERS LOG

API No. 15 — 175 — 20,400
County Number

Operator
Anadarko Production Company

Address
P. O. Box 351 Liberal, Kansas 67901

Well No. 1 Lease Name UNDERWOOD "A"

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

Principal Contractor Geologist
Lohmann-Johnson Drig. Co. Joe Blair

Spud Date Total Depth P.D.T.D.
4/4/79 6670 6632

Date Completed Oil Purchaser
5/10/79 Western Crude Oil Company

S. 23 T. 34S R. 34 W

Loc. SW SW

County Seward

640 Acres



Locate well correctly

Elev.: Gr. 2912

DF KB

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#	1632	Pozmix Common	650 200	4% gel 2% CaCl 3% CaCl
Production	7-7/8"	5-1/2"	15.5#	6668	Lite-wate Pozmix	200 150	.05% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		6455-66'
Size 2-3/8"	Setting depth 6450'	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
F/38,000 gal 40# Versa-Gel + 50,000# 20-40 sand	6455-66'

INITIAL PRODUCTION

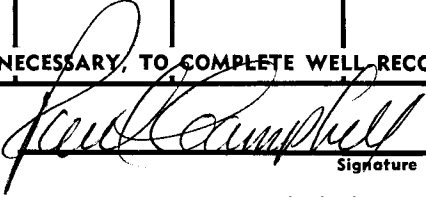
Date of first production	Producing method (flowing, pumping, gas lift, etc.)
SI for Pipeline Connection	Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil 200 bbls. Gas 150 MCF Water -0- bbls. Gas-oil ratio 750 CFPS
Disposition of gas (vented, used on lease or sold)	Producing interval (s)
To be sold	6455-6466'

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 316-522-1206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Anadarko Production Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name UNDERWOOD "A"	OIL
S <u>23</u> T <u>34</u> S <u>R</u> <u>34</u> ^{XX} 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.
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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Clay & Sand	0'	243'		
Sand	243'	565'		
Redbed	565'	698'		
Redbed & Sand	698'	935'		
Sand	935'	1344'		
Sand & Redbed	1344'	1624'		
Anhy	1624'	1636'		
Shale	1636'	2065'		
Lime & Shale	2065'	5882'		
Shale	5882'	6075'		
Lime & Shale	6075'	6670'		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				

Date Received	 Signature
	Paul Campbell, Division Production Manager Title
	May 16, 1979 Date

JOSEPH G. BLAIR, JR.

PETROLEUM GEOLOGIST

606 NORTH CALHOUN

LIBERAL, KANSAS 67901

316-624-2804 - 316-624-4024

Anadarko Production Co, et al
Underwood "A" 1
SW SW Sec 23-34S-34W
Seward County, Kan

Elev.2912 G.L. ZERO on G.L.
8 5/8 1632
T.D.

TAPE the LOGS

DIL T.D. to base of surface pipe
G-FDC-CNL-Cal T.D. to 2600

Telecopy to
Herb Johnston
303-759-4201 office
303-986-3296 home

Samples to
Wichita Sample Cut
4150 Monroe
Wichita Kan

Distribution
Next Page

Distribution
APC Underwood "A" 1

	<u>Field Prints</u>	<u>Final Prints</u>	<u>Sample Logs</u>
Anadarko Box 5050 Denver Colo 80217	3	3	1
Anadarko Box 351 Liberal 67901	2	3	1
Cabot Box 1101 % Charles Walsh Pampa Tex	3	3	1
Koch % Lamar Roemer Box 2256 Wichita Kan 67201	2	2	1
Gulf % E. P. Hale Box 12116 Okla City, Okla 73157	3	3	1
R..W. Howard % S. C. & C. B. O'Connor Box 55344 Houston Tex 77055	3	1	1
Reserve Oil Box 20629 2601 NW Exprswy Okla City 73120	3	1	1
Nicolet Inc 25 Skippack Pike Broad Axe Pa 19002	3	1	1
John McNamara % P. C. Keith Box 311 Peapack N.J. 07977	3	1	1
Republic National Bank Box 241 Dallas Tex 75221 % Clarence McCreless	3	1	1
Joe Blair	1	0	2

mail 2
pick up 1

PCY
RF
BL
RR

ANADARKO PRODUCTION COMPANY

Geological Well Forecast

RB
JST
RAZ

DIVISION
Denver () Liberal (X)

DEPARTMENT
Exploration () Production (X)

WELL NAME Underwood A

LOCATION SW SW 23T34SR34W

COUNTY Seward

RECOMMENDATIONS:

Estimated Total Depth 6650

Casing - approx. Depths)
Surface Casing Set at 1700

Intermediate Casing Set at _____

Production Casing Set at TD

Estimated No. of DSTs 1

Estimated Amt. of Coring —

Tor 4310 LS 4440
2912 2912
4398 1528

Mar 5146
2912
2234

APC W.I. to be determined R.I. _____

OTHERS Depending on whether O or G

OIL ☐ GAS ☒

NUMBER 1 Adams
PROSPECT/FIELD Windmill Area

STATE Kansas

ELEVATION 2910 Est

FORMATION DEPTH SUBSEA

Council Grove 3061 _____

Wabunsee 3531 _____

Topeka 3761 _____

Toronto 4306 _____

Ks City 4516 _____

Marmaton 5146 _____

Cherokee 5376 _____

Morrow 5796 _____

Chester 6114 _____

Chester Mkr 6224 -3384

St. Gen. 6464 _____

St. Louis 6544 _____

LOGGING PROGRAM: Run DIL-SFL from TD to surface casing
FDC-CNL-GR-Cal from TD to ²⁶3000

GEOLOGICAL LABOR 6 DAYS T.D. 6650

DEPTH AT WHICH HOLE MUST BE IN SHAPE FOR DSTs, MUD LOGGING OR CORING 5500

REMARKS: Keep 1 ft drill time & catch, wash, dry
10 ft samples 2800 ft to TD

SIGNED H. C. Johnston DATE: 12-27-78

APPROVED R. E. Rogers DATE: 12/27/78