

**WELL COMPLETION REPORT AND
DRILLER'S LOG**

State Geological Survey

API No. 15 — 175 — 20,421
County Number

WICHITA BRANCH
Loc. C 23 SW

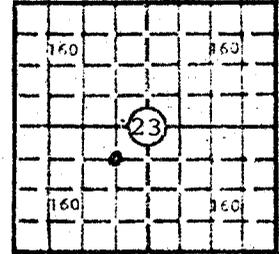
Operator
Anadarko Production Company

County Seward

Address
P. O. Box 351, Liberal, Kansas 67901

640 Acres
N

Well No. 2 Lease Name UNDERWOOD "A"



Footage Location
1980 feet from (N) (S) line 1980 feet from (E) (W) line

Elev.: Gr. 2911'

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

Spud Date 9/19/79 Date Completed Recompleted Total Depth 6512' P.B.T.D. 6320'

DF 2920' KB 2921'

Directional Deviation not applicable Oil and Gas Purchaser Quinque Pipeline

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	1649'	Pozmix Common	600 200	4% gel 2% CaCl 3% CaCl
Production	7-7/8"	4-1/2"	10.5#	6510'	Lite-wate SS Pozmix	50 175	.75% D-31 18% salt .75% D-31

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	3/8" jet	6070-78' 6084-89' 6092-97'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	6061'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
A/1500 gal 10% MCA w/18000 gal CO ₂ .	6070-97' O.A.

INITIAL PRODUCTION

Date of first production 8/16/80	Producing method (flowing, pumping, gas lift, etc.) flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil ---	Gas 1845 bbls. MCF	Water 16 bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) To be sold			Producing interval (s) 6070-6097' O.A.	

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 Anadarko Production Company DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 2 Lease Name UNDERWOOD "A" GAS

S 23 T 34S R 34 ^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
Sand and Redbed	0'	1651'	LOGS: GO Wireline CDL-CNL-GR-DIL GR-CCL	
Redbed	1651'	2080'		
Redbed, Shale & Lime	2080'	2475'		
Lime and Shale	2475'	6512'		

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

Date Received

Paul Campbell
 Signature
 Paul Campbell, Division Production Manager
 Title
 October 21, 1980
 Date

Anadarko
 UNDERWOOD "A" #2

Adamson Field
 C NE SW
 Section 23-34S-34W
 Seward County, Kansas

APC WI 50%, RI 37.77%, AFE 4113

4-1/2 10.5# @ 6510, 2-3/8 4.7# @ 6468
 TD 6512, PBTD 6482

Purpose: To temporarily abandon L/Chester & recomplete as a L/Morrow gas well
 Rate prior to recompletion: 1.6 BO, 20 BW, 15 MCFD, GOR 9375.

8/10/80 TD 6512, PBTD 6482, MIRUPU.

8/11 TD 6512, PBTD 6482, shut dwn for Sunday.

8/12 TD 6512, PBTD 6482, TOH w/rods, pmp & tbg, ran BH press.

8/13 TD 6512, PBTD 6320, pull BHP, ran ga ring, set CIBP @ 6320, press test to 1500-held
 OK, swbd csg dwn to 5500, perf 6070-78, 6084-89, 6092-97 (L/Morrow) 2 SPF, press incr
 to 1250 on csg, blew well 1 hr, rec 4 BF, flowing press 400, gas rate NR. SI.

8/14 TD 6512, PBTD 6320, SICP 1300, blew well dwn to 400, rec 2 BF in 2 hrs, A/1500 gal
 10% MCA acid, 18000 gal CO₂, 22 BS, max press 3000, min press 1200, avg press 2100,
 rate 6 BPM, flush w/65 bbl 2% KCl, 52000 gal CO₂, total ld 101 BF, 70,000 gal CO₂,
 ISIP 1500, 15 min 1100, flowed well 6 hrs, rec 51 BF, gas rate 3780 MCFD w/380#
 back press on csg.

8/15 TD 6512, PBTD 6320, SICP 1380, kill well w/100 bbl 2% KCl wtr, ran 193 jts 2-3/8 tbg,
 set @ 6061, SN @ 6045, swbd & flowed 54 BF in 3 hrs, CP 240, SI well.

8/16 TD 6512, PBTD 6320, SICP 1200, SITP 1160, blew well 4 hrs, rec 16 BF, gas vol 1845
 MCFD, FTP 130, FCP 600, SI well @ 1:30 pm, RDMOPU, ran BHP.

8/17 thru 8/18 TD 6512, PBTD 6320, SI rng BHP.

8/19 TD 6512, PBTD 6320, SI rng BHP. Results of BHP completed 8/12/80 21 hrs 983.4 @ 6470
 top of fluid 4420, top of water 6000, BHT 132 deg, surf press 0.

8/20 TD 6512, PBTD 6320, SITP 1436, SICP 1439, BHP @ 6083' 1934# stable after 93.5 hr
 buildup, press not building at end of test. Production after recompletion=1845 MCFD
 FTP 130, FCP 600, 16 BF during 4 hr test 8/16/80. Perfs 6070-97 O.A. L/Morrow.
FINAL REPORT.