

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

X Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5398 EXPIRATION DATE 6-30-85

OPERATOR ARCO Oil and Gas Company, A Division of Atlantic Richfield Co. API NO 189 20,750-0000

ADDRESS P. O. Box 521, Tulsa, Oklahoma 74102 COUNTY Stevens

FIELD Larabee

** CONTACT PERSON S. R. Keasler PHONE (405) 233 4862 PROD. FORMATION Chester

PURCHASER Permian Corporation LEASE Boies

ADDRESS P. O. Box 1183 WELL NO. 4

Houston, Texas 77001 WELL LOCATION C, NW NE

DRILLING Johnson Drilling Company 660 Ft. from North Line and

CONTRACTOR ADDRESS 3535 NW 58th St., Suite 710 1980 Ft. from East Line of

Oklahoma City, Oklahoma 73112 the NE (Qtr.) SEC 25 TWP 32S RGE 35W.

PLUGGING CONTRACTOR ADDRESS WELL PLAT (Office Use Only)

TOTAL DEPTH 6450' PBTD 6396'

SPUD DATE 8-14-84 DATE COMPLETED 9-28-84

ELEV: GR 2971' DF KB

DRILLED WITH (CABLE) ROTARY (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE***BFLOW

Amount of surface pipe set and cemented 1821' DV Tool Used? No

THIS AFFIDAVIT APPLIES TO: (Circle ONE) Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Carl W. Brown, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

Carl W. Brown (Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 28th day of September, 19 84.

Mama Mallory (NOTARY PUBLIC)

MY COMMISSION EXPIRES: July 22, 1986

** The person who can be reached by phone regarding any questions concerning this information.

*** Trucked by Dillco Fluid Service, Hugoton, Kans 67951 (Permit #6652) to their Regeir SWD# #1 Sec 17-33S-27W, Mead County, Kansas

RECEIVED STATE CORPORATION COMMISSION JAN 22 1986 1-22-1986 CONSERVATION DIVISION

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR

ARCO Oil and Gas Company
A Division of Atlantic Richfield Company

LEASE Boles #4

SEC. 25 TWP. 32S RGE. 35W

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cased 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
Surface soil & sand	0	400		
Sand & Red bed	400	1433	Chase	2620'
Red bed	1433	1749	Council Grove	2946
Red bed & Anhydrite	1749	1824	Lansing K.C.	4298
Shale	1824	2584	Morrow	5602
Lime & shale	2584	6450	Basal Chester sd	6092
			St. Louis	6302
No cores or DST's taken				
<p>Logs run:</p> <p>CDLC-ML-CN-GR Diplog Prolog DIFL/GR ACOUS</p>				

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)

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 casing	12-1/4"	8-5/8"	24#	1821'	HOWCO LW Class H	700 200	2% cc & 1/4#/sk flocc. 2% cc & 1/4#/sk flocc. 2% gel + 15% salt +
Production Csg	7-7/8"	5-1/2"	15.5	6439	50-50 Pozmix	410	3/4% TF-4 + .2% AF-1 + 1/4#/sx celloseal

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2	.38"	6094 - 6101'

TUBING RECORD

Size	Setting depth	Packer set at
2-7/8"	6157'	-

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Breakdown w/96 bbls diesel w/Hvflo	6094-6101'
Frac w/20,000 gals gelled diesel & 32,000# 20-40 sand.	6094-6101

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
9-26-84	Pumping	36.2

RATE OF PRODUCTION PER 24 HOURS	OH	Gas	Water	Gas-oil ratio
	128	TSIM	33.6% 43	-

Disposition of gas (vented, used on lease or sold)

Vented

Perforations 6094 - 6101'

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial AnnualXX Workover Reclassification TEST DATE: 11-07-1985

Company: ARCO Oil & Gas Company Lease: Boles Well No.: 4

County: Stevens Location: C NW NE Section: 25 Township: 32S Range: 35W Acres: 80

Field: Larrabee Reservoir: Chester Pipeline Connection: None

Completion Date: 9-28-84 Type Completion(Describe): Single Oil Plug Back T.D.: 6396 Packer Set At: None

Production Method: Type Fluid Production: Oil & Water API Gravity of Liquid/Oil: 38.5 @ 60 F

Flowing Pumping XX Gas Lift: 5.500 15.5 4.950 6439 6094 6101

Casing Size Weight I.D. Set At Perforations To: 5.500 15.5 4.950 6439 6094 6101

Tubing Size Weight I.D. Set At Perforations To: 2.375 4.7 1.995 6157 Pumping

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 11-06-1985 Time 10:30 AM Ending Date 11-07-1985 Time 10:30 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size			
Casing:	29.0	Tubing:	28.6			None			
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	300	6127	12.	3.0	245.18	13	2.0	263.52	2.0 18.34
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:	Differential:		Static Pressure:			
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover In. Water	Tester Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter							
Critical Flow Prover							
Orifice Well Tester	2.000	0.250	4.0			0.7330	60

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fh)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
2.61			1.1680	1.000	1.000	1.000

Gas Prod. MCFD Flow Rate (R): 3.0485 Oil Prod. Bbls./Day: 18.34 Gas/Oil Ratio (GOR) = 166.22 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 5th day of December 1985

For Offset Operator

James R. [Signature]
 For State
 STATE CORPORATION COMMISSION

T.H. Mitchell [Signature]
 For Company
 T.H. Mitchell

DEC 16 1985

PRODUCTIVITY TEST BARREL TEST

SW/4 A

** RULE 82-3-202 of the General Rules and Regulations of the State of Kansas:

Productivities, when to be taken. (f) Pool tests. Pool tests shall be taken as ordered by the Commission at twelve month intervals thereafter.

COUNTY STEVENS
 FIELD LARRABEE
 PRODUCING FORMATION CHESTER
 OPERATOR ARCO OIL + GAS
 LEASE BOLES #4

EFFECTIVE DATE _____
 (Office use only)
 PURCHASER PERMIAM
 ADDRESS _____
 (if new operator)

* WELL NO.	SEC.	TWP.	RGE.	BOPD	WATER %	DATE TAKEN
1.	<u>25</u>	<u>32S</u>	<u>35W</u>	<u>18</u>	<u>10</u>	<u>11/13/85</u>
2.	_____	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____	_____
6.	_____	_____	_____	_____	_____	_____
7.	_____	_____	_____	_____	_____	_____
8.	_____	_____	_____	_____	_____	_____
9.	_____	_____	_____	_____	_____	_____
10.	_____	_____	_____	_____	_____	_____

FIELDMAN'S REMARKS: _____

WITNESSES:

James R. Rapp FOR STATE Lois A. Ammerfelt FOR OPERATOR _____ FOR OFFSET

*NOTE: IF THE WELL IS TEMPORARILY ABANDONED AT TIME OF TEST, BUT AT A LATER DATE IS PUT ON PUMP, PLEASE HAVE IT TESTED AT THAT TIME. THIS PREVENTS OVERPRODUCTION ON THE TABLE "B" REPORT. TO SCHEDULE A TEST CALL: DISTRICT OFFICE #6, 1014 CODY, HAYS, KANSAS 67601 (913) 628-1200.

STATE CORPORATION COMMISSION OF KANSAS.
CONSERVATION DIVISION

STATE CORPORATION COMMISSION

DEC 16 1985

CONSERVATION DIVISION
Wichita, Kansas