

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5469  
Name Anadarko Production Company  
Address Box 351  
City/State/Zip Liberal, Kansas 67901

Purchaser: J. M. Petroleum  
Dallas, Texas

Operator Contact Person Paul Gatlin  
Phone (316) 624-6253

Contractor: License # 5842  
Name Gabbert-Jones, Inc.

Wellsite Geologist Joe Blair  
Phone (316) 624-2804

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

5/23/85 6/3/85 7/2/85  
Spud Date Date Reached TD Completion Date  
6271 6230  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1598 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
if alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt

API NO. 15-175-20,856-00-00  
County Seward  
C SW SE Sec 2 Twp 33S Rge 34  East  West

660 Ft North from Southeast Corner of Section  
1980 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

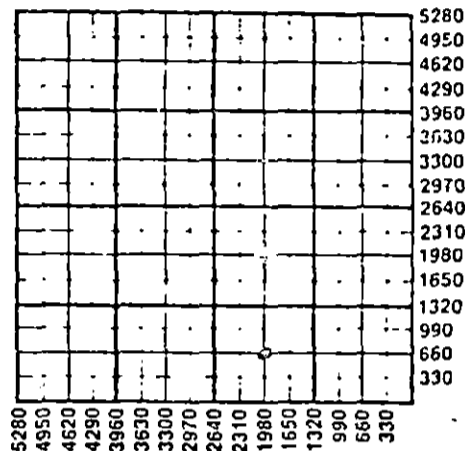
Lease Name McHargue "A" Well # 3

Field Name Shuck

Producing Formation St. Louis

Elevation: Ground 2848 KB 2864

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Sec Twp Rge  East  West

Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge  East  West

Other (explain) Landowner furnished water.  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Paul Campbell  
Title Division Production Manger Date 7/5/85

Subscribed and sworn to before me this 9th day of July 1985  
Notary Public Elizabeth J. Hooper  
Date Commission Expires 7/26/87

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
RECEIVED  
CORPORATION COMMISSION

10/10/1985  
7-10-85 Form ACO-1 (7-8A)  
CONSERVATION DIVISION  
Wichita, Kansas

Sec. 2, Twp. 33S, Rge. 34W

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

*Revised test to show Gas Rate*

Conservation Division

Form C-5 Revised

TYPE TEST: Initial  Annual  Workover  Reclassification  TEST DATE:

Company: *Anadarko Production Co* Lease: *McHarque A* Well No.: *3*

County: *Seward* Location: *C.S.WSE* Section: *2* Township: *33S* Range: *34W* Acres:

Field: *Shuck* Reservoir: *St. Louis* Pipeline Connection: *J.M. Petroleum*

Completion Date: *6/20/85* Type Completion(Describe): *Single Oil* Plug Back T.D.: *6210'* Packer Set At:

Production Method:  Pumping  Gas Lift  Type Fluid Production: *Oil* API Gravity of Liquid/Oil: *37.8*

Flowing Casing Size: *5 1/2"* Weight: *15.5#* I.D.: *4.950"* Set At: *6270'* Perforations To: *6158'-15'*

Tubing Size: *2 3/8* Weight: *4.7* I.D.: *1.995"* Set At: *6210'* Perforations To:

Pretest: Starting Date: \_\_\_\_\_ Time: \_\_\_\_\_ Ending Date: \_\_\_\_\_ Time: \_\_\_\_\_ Duration Hrs.:

Test: Starting Date: *7/1/85* Time: *1:00 PM* Ending Date: *7/2/85* Time: *1:00 PM* Duration Hrs.: *24*

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure				Separator Pressure				Choke Size		
Casing: <i>40</i>		Tubing: <i>35</i>		<i>35</i>		<i>35</i>		<i>Pumping</i>		
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	<i>300</i>	<i>2</i>	<i>7</i>	<i>10</i>	<i>156.98</i>	<i>7</i>	<i>5</i>	<i>148.63</i>	<i>0</i>	<i>8.35</i>
Test:										

GAS PRODUCTION OBSERVED DATA *Hauled 373.00 Bbls = 364.65*

Orifice Meter Connections				Orifice Meter Range				
Pipe Taps:		Flange Taps:		Differential:		Static Pressure:		
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc.	Psig or (Ed) (hw) or (hd)	Diff. Press. Gas (Gg)	Gravity (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover								
Orifice Well Tester	<i>2"</i>	<i>1/2</i>		<i>36"</i>			<i>.700</i>	<i>60</i>

GAS FLOW RATE CALCULATIONS (R)

Gcoeff. (Fb)(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)
<i>164</i>			<i>.9258</i>	<i>1.00</i>		

Gas Prod. MCFD Flow Rate (R): *151.8* Oil Prod. Bbls./Day: *365* Gas/Oil Ratio (GOR) = *4/6* 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 *5* day of *July*, 19 *85*.

For Offset Operator: \_\_\_\_\_ For State: *Loren R. Barlow* For Company: \_\_\_\_\_

RECEIVED CORPORATION COMMISSION  
 JUL 1 1985  
 CONSERVATION DIVISION  
 Wichita, Kansas

TO

FROM

Glenn Barlow

ANADARKO PRODUCTION COMPANY

P.O. Box 351 Phone 624-6253

LIBERAL, KANSAS 67901

110 South Clay

Liberal Ks. 67901

SUBJECT

DATE

McHarque A3 - GOR Test

7/3/85

MESSAGE:

- Enclosed is a revised GOR test which includes the Gas Rate for the subject well. The Orifice Well Tester was removed before we arrived on location. The gas surges and it appeared that a minimal amount of gas was passing. This gas will be sold into Anadarko's casinghead system. Please sign and return the back copy if it meets your approval.

ORIGINATOR-DO NOT WRITE BELOW THIS LINE

REPLY TO

SIGNED

REPLY

RECEIVED  
STATE CORPORATION COMMISSION

1111 11 1985  
CONSERVATION DIVISION  
Wichita, Kansas

DATE

SIGNED

7-5-85

Glenn R. Barlow

SEND PARTS 1 AND 3 INTACT-PART 1 WILL BE RETURNED WITH REPLY

Ennis RM-858-3

RETURN TO ORIGINATOR

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial  Annual  Workover  Reclassification  TEST DATE: 7/1/85

Company: Anadarko Production Co. Lease: McHargue A Well No.: 3

County: Seward Location: C SWSE Section: 2 Township: 33S Range: 34W Acres:

Field: Shuck Reservoir: St. Louis Pipeline Connection: JM Petroleum

Completion Date: 6/20/85 Type Completion(Describe): Single Oil Plug Back T.D.: 6210' Packer Set At:

Production Method: Flowing  Pumping  Gas Lift  Type Fluid Production: Oil API Gravity of Liquid/Oil: 37.8

Casing Size: 5 1/2" Weight: 15.5# I.D.: 4.950" Set At: 6270' Perforations: To: 6158' - 75'

Tubing Size: 2 3/8" Weight: 4.7# I.D.: 1.995" Set At: 6210' Perforations: To:

Pretest: Starting Date: Time: Ending Date: Time: Duration Hrs.:

Test: Starting Date: 7/1/85 Time: 1:00 PM Ending Date: 7/2/85 Time: 1:00 PM Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size					
Casing:	40	Tubing:	35	Pumping					
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	1	14	6 1/2	1	14	6 1/2	—	—	—
Test:	2	7	10	156.98	7	15	148.63		-8.35

GAS PRODUCTION OBSERVED DATA Hauled 373.00 BBLs 364.6

Orifice Meter Connections				Orifice Meter Range				
Pipe Taps:	Flange Taps:	Differential:	Static Pressure:					
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc.	Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover								
Orifice Well Tester	2"	1/2"					.700	60

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
—	—	—	.9258	1.0	—	—

Gas Prod. MCFD: 7567 Oil Prod. Bbls./Day: 365 Gas/Oil Ratio (GOR) = — 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 2 day of July 1985

For Offset Operator: *James R. Barlow* For State: *Donna L. ...*

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUL 09 1985  
 CONSERVATION DIVISION  
 Wichita, Kansas

Operator Name Anadarko Production Company Lease Name McHargue "A" Well # 3

Sec. 2 Twp. 33S Rge. 34  East  West County Seward

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Welex ran Dual Induction Guard Log and  
 Compensated Density Dual Spaced Neutron Log

Name	Top	Bottom
Cased Hole	0'	30'
Sand-Redbed	30'	1390'
Sand-Redbed-Anhy	1390'	1601'
Shale-Lime	1601'	2655'
Lime-Shale	2655'	2935'
Shale-Lime	2935'	3145'
Lime-Shale	3145'	6271'
TD	6271'	

**CONFIDENTIAL**  
**RELEASED**  
 NOV 17 1987

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8	24	1598	Poz	600	2% CaCl
					Common	200	2% CaCl
Production	7-7/8	5-1/2	15.5	6270	Litewater	50	
					50/50 Poz	275	10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	6244-50			600 gal 15% MCA		6244-50	
2	6158-6175			2125 gal 15% MCA		6158-75	
TUBING RECORD							
Size 2-3/8		Set At 6210		Packer at --		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production 7/2/85		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil 365 Bbls	Gas 151.8 MCF	Water 0 Bbls	Gas-Oil Ratio 416	Gravity CFPB37.8 @ 60°	

FROM CONFIDENTIAL

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  
 Open Hole  Perforation  Other (Specify) ..... 6158-75  
 Dually Completed .....  
 Commingled .....

GABBERT-JONES, INC.  
DRILLERS WELL LOG

McHARGUE "A" #3  
C SW SE  
Sec. 2-33S-34W  
Seward County, Kansas  
Commenced: 5-23-85

**CONFIDENTIAL**

Completed: 6-4-85

Operator: ANADARKO PRODUCTION COMPANY

Depth		Formation	Remarks
From	To		
0	30	Cased Hole	30' of 20" csg pre set
30	1390	Sand-Redbed	
1390	1601	Sand-Redbed-Anhy	
1601	2655	Shale-Lime	Ran 37jts of 24# 8 5/8"
2655	2935	Lime-Shale	csg set @ 1598' cemented
2935	3145	Shale-Lime	W/600 sks Posmix 4% Gel
3145	6271	Lime-Shale	2% CC-PD @ 2:30 PM 5-24-85

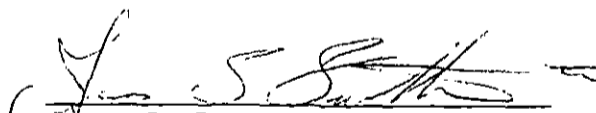
6271-TD

**JUL 11 1985**  
**State Geological Survey**  
**WICHITA BRANCH**

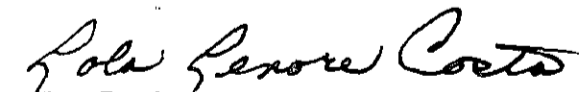
Ran 149 jts of 5½ " 15½#  
csg set @ 6270' cemented  
W/50 sks Lite-250 sks  
50/50 Posmix  
PD @ 4:00 PM 6-4-85

State of Kansas ) I, the undersigned, being duly sworn on oath, state  
                  ) that the above Drillers' Well Log is true and correct  
County of Sedgwick ) to the best of my knowledge and belief and according  
                          ) to the records of this office.

GABBERT-JONES, INC.

  
James S. Sutton, II -- President

Subscribed & sworn to before me this  
13 day of June, 1985.

  
Lola Lenore Costa

My Commission expires November 21, 1988

**RELEASED**

**NOV 17 1987**

**FROM CONFIDENTIAL**

**RECEIVED**  
STATE CORPORATION COMMISSION

**JUL 10 1985**

CONSERVATION DIVISION  
Wichita, Kansas