

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 129-20,985-00-00

County Morton

W2 NE SE Sec. 29 Twp. 34S Rge. 39 X East West

1980 Ft. North from Southeast Corner of Section

1250 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Hayward "J" Well # 2H

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3321.3 KB NA

Total Depth 2997 PBDT 2930

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P.O. Box 351

City/State/Zip Liberal, KS 67905-0351

Purchaser: Panhandle Eastern Pipeline Co.
(Transporter)

Operator Contact Person: M. L. Pease

Phone (316) 624-6253

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

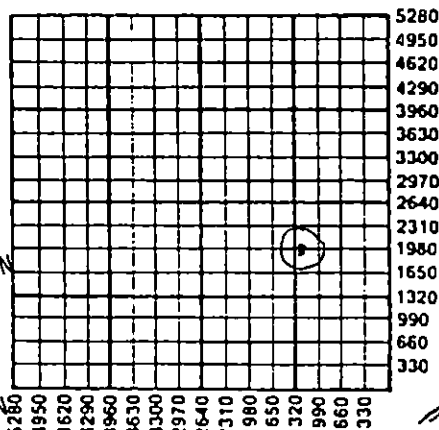
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

5/4/89 5/6/89 9/28/89
Spud Date Date Reached TD Completion Date



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Wichita, Kansas

Depth of Surface Pipe Set and Cemented at 577 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

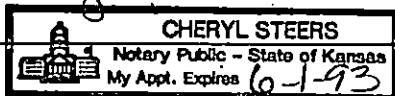
Signature M. L. Pease
M. L. Pease

Title: Division Production Manager Date 12/13/89

Subscribed and sworn to before me this 13th day of December, 1989.

Notary Public Cheryl Steers

Date Commission Expires _____



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

SIDE TWO

Operator Name Anadarko Petroleum Corporation Lease Name Hayward "J" Well # 2H

Sec. 29 Twp. 34S Rge. 39 East West County Morton

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.

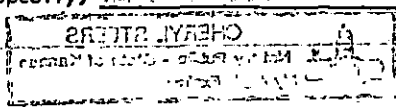
Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Blaine</td> <td>1126</td> <td>1226</td> </tr> <tr> <td>Cedar Hills</td> <td>1266</td> <td>1442</td> </tr> <tr> <td>Stone Corral</td> <td>1712</td> <td>1770</td> </tr> <tr> <td>Chase</td> <td>2566</td> <td>2926</td> </tr> <tr> <td>Council Grove</td> <td>2926</td> <td>NA</td> </tr> <tr> <td>TD</td> <td></td> <td>2997</td> </tr> </tbody> </table>	Name	Top	Bottom	Blaine	1126	1226	Cedar Hills	1266	1442	Stone Corral	1712	1770	Chase	2566	2926	Council Grove	2926	NA	TD		2997
Name	Top		Bottom																				
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Stone Corral	1712	1770																					
Chase	2566	2926																					
Council Grove	2926	NA																					
TD		2997																					
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						

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	24.0	577	Pozmix & Common	340	3% CC
Production	7 7/8	5 1/2	14.0	2992	Class C	255	10% DCD 20% DCD
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	2604-13, 2632-74, 2691-2732, 2755-2803			Brk. DN w/12,200 gal 2% KCL			
2	2820-47			WTR. Frac w/72,000 gal foamed gelled 2% KCL WTR. & 213,200# 12/20 SD			
				2604-2847' O.A.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
10/17/89							
Estimated Production Per 24 Hours	Oil Bbls.	Gas 1540 Mcf @ 90#	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify)

Production Interval: 2604-2847'
O.A.





REMIT TO:
P.O. BOX 651046
DALLAS, TX 75265

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO:	DATE
785545	05/04/1989

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
HAYWARD J-2H		MORTON		KS	SAME
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL	GABBERT & JONES #6		CEMENT SURFACE CASING		05/04/1989
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876	COMPANY TRUCK	76148

ANADARKO PETROLEUM CORP
P. O. BOX 351
LIBERAL, KS 67905-0351

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	15	MI	2.20	33.00
		1	UNT		
001-016	CEMENTING CASING	585	FT	509.00	509.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	8 5/8	IN	82.00	82.00
		1	EA		
504-043	PREMIUM CEMENT	143	SK	6.85	979.55
506-105	POZMIX A	47	SK	3.91	183.77
504-043	PREMIUM CEMENT	150	SK	6.85	1,027.50
509-406	ANHYDROUS CALCIUM CHLORIDE	7	SK	25.75	180.25
507-210	FLOCELE	85	LB	1.21	102.85
500-207	BULK SERVICE CHARGE	354	CFT	.95	336.30
500-306	MILEAGE CMTG MAT DEL OR RETURN	237.4875	TMI	.70	166.24
INVOICE SUBTOTAL					3,600.46
DISCOUNT-(BID)					1,080.12-
INVOICE BID AMOUNT					2,520.34
*-KANSAS STATE SALES TAX					85.65
*-SEWARD COUNTY SALES TAX					21.40
<p>4329-2041</p> <p>167 5-18</p> <p>RECEIVED STATE CORPORATION COMMISSION DEC 20 1989 CONSERVATION DIVISION Wichita, Kansas</p>					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,627.39

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

GABBERT-JONES, INC.

HAYWARD "J" 2H
 SEC. 29-34S-39W
 MORTON COUNTY, KANSAS

Drillers Well Log

COMMENCED: 5-4-89
 COMPLETED: 5-6-89
 OPERATOR: ANADARKO PETROLEUM CORPORATION

DEPTH		FORMATION	REMARKS
From	To		
0	550	Sand - Clay	Ran 14 jts of 24# 8 5/8"
550	582	Redbed	csg LD @ 577' w/190
582	1270	Redbed - Shale	sk 25/75 Posmix - 2% CC
1270	1416	Glorietta Sand	1/4# CF - 150 sks Common
1416	2105	Shale	3% CC - 1/4# CF
2105	2855	Shale - Lime	PD @ 6:45 PM 5-4-89
2855	2997	Lime - Shale	
	2997 TD		Ran 71 jts of 14# 5 1/2" csg LD @ 2992' w/215 sks Class C - 20% DCD - 2% CC - 1/4# CF - 40 sks Class C - 10% DCD - 2% CC 1/4# CF. PD @ 11:30 PM 5-6-89.

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 DEC 20 1989
 CONSERVATION DIVISION
 Wichita, Kansas

STATE OF KANSAS]
]
 COUNTY OF SEDGWICK]

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

GABBERT-JONES, INC.

James S. Sutton
 James S. Sutton, II - President

Subscribed & sworn to before me this
 10th day of MAY, 1989.

Lola Lenore Costa
 Lola Lenore Costa

LOLA LENORE COSTA
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appl. Exp. 11/21/92