

CONFIDENTIAL

129-21,196 00-00

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

ORIGINAL

API NO. 15 _____ County Morton
APDX W/2 E/2 NW - NE Sec. 10 Twp. 33S Rge. 40 X E
X W

Operator: License # 4549
Name: Anadarko Petroleum Corporation
Address P. O. Box 351
City/State/Zip Liberal, KS 67905-0351

660 Feet from S (circle one) Line of Section
1830 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Purchaser: None
Operator Contact Person: J. L. Ashton
Phone (316) 624-6253

Lease Name Hayward "I" Well # 3
Field Name Stirrup
Producing Formation None
Elevation: Ground 3256 KB NA

Contractor: Name: Gabbert-Jones, Inc.
License: 5842
Wellsite Geologist: NA

Total Depth 5750 PBDT 5360
Amount of Surface Pipe Set and Cemented at 1552 Feet
Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
 New Well Re-Entry Workover
*Delay Completion
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.
Drilling Fluid Management Plan ALT 1 & 2 10-12-93
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Deepening _____ Re-perf. _____ Conv. to Inj/SWD
Plug Back _____ PBDT _____
Commingle _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) Docket No. _____
5-3-93 5-13-93 *Delay Completion
Spud Date Date Reached TD Completion Date

Chloride content 750 ppm Fluid volume 5000 bbls
Dewatering method used Natural Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. _____ Twp. 33S Rge. 40 E/W
County Morton Docket No. 9-13-93
OCT 12 1994

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KANSAS CORPORATION COMMISSION
SEP 13 1993
9-13-93
CONSERVATION DIVISION
WICHITA, KS

RELEASED

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 Beverly J. Williams
Title Technical Assistant Date 9-9-93
Subscribed and sworn to before me this 9th day of September, 1993.
Notary Public Cheryl Steers
Date Commission Expires _____
CHERYL STEERS
Notary Public - State of Kansas
My Comm. Expires 6-1-97

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

Operator Name Anadarko Petroleum Corporation Lease Name Hayward "I" Well # 3

Sec. 10 Twp. 33S Rge. 40 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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHMENT		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	SEGMENTED BOND SPECTRAL DENSITY NEUTRON DUAL INDUCTION MICROLOG			

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#	1552	Pozmix & Class "H"	700	4% gel 2% cc 2% cc
Production	7 7/8	5 1/2	15.5#	5649	Pozmix & Thixset PremH	225	1#/sx flocele 5#/sx gilsonite .3% Halad 344
		FO TOOL		2745			

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	6	5364-68		A/1000 gals 7-1/2% HCL acid. Sqz w/25 sxs low wtr loss cmf.
6	5340-5350		None	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or In]. Producing Method Flowing Pumping Gas Lift Other (Explain)
 Delay Completion

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

CONFIDENTIAL

ORIGINAL

ATTACHMENT

KCC

RELEASED

SEP 9

CONFIDENTIAL

HAYWARD "I" NO. 3
SECTION 10-33S-40W
MORTON COUNTY, KANSAS

OCT 12 1994

FROM CONFIDENTIAL

API#15-129-21196

NAME

TOP

B/STONE CORRAL	1556
CHASE	2262
COUNCIL GROVE	2560
ADMIRE	2801
WABAUNSEE	2995
TOPEKA	3240
HEEBNER	3738
TORONTO	3752
LANSING	3858
KANSAS CITY	4243
MARMATON	4534
CHEROKEE	4728
MORROW	5150
U. MORROW "D"	5339
L. MORROW	5478
KEYES	5616

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 13 1993
CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

ORIGINAL

RCC

GABBERT-JONES, INC.
WICHITA, KANSAS

SEP 9

DRILLERS' WELL LOG

CONFIDENTIAL

WELL NAME: HAYWARD I-3
SEC: 10-33S-40W
Morton County, Kansas
API# 15-129-21196

RELEASED

OCT 12 1994

COMMENCED: 5-3-93
COMPLETED: 5-14-93

OPERATOR: ANADARKO PETROLEUM CORPORATION FROM CONFIDENTIAL

DEPTH From	To	FORMATION	REMARKS
0	575	sand-redbed	
575	1095	redbed-gyp	Ran 39jts of 24#8 5/8" csg set @1552'w/500sks posmix
1095	1270	sand	-200sks class H common
1270	1553	redbed-gyp	PD@ 1:00pm 5-4-93
1553	1600	gyp-redbed-shale	
1600	2070	anhy-shale	
2070	2400	shale-lime	
2400	5750	lime-shale	
5750-TD			Ran 127jts of 15 1/2 #5 1/2" csg set @5649'w/50sks 65/35 posmix-175sks thickset prem H-1/4# flocel 5# gilsonite 3% halid 344 PD @ 2:00am 5-14-93 RR @ 3:00am 5-14-93

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.

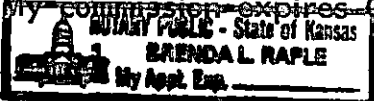
GABBERT-JONES, INC.

[Signature]
James S. Sutton, II - President

Subscribed & sworn to before me this 18th day of May, 1993

[Signature]
Brenda L. Raple, Notary Public

My commission expires October 16, 1996.



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KANSAS CORPORATION COMMISSION

SEP 13 1993

CONSERVATION DIVISION
WICHITA, KS



ORIGINAL

REMIT TO: P.O. BOX 951046 BALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

CONFIDENTIAL

A Halliburton Company

INVOICE NO.	DATE
345528	05/04/1993

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
AYWARD "I" 3		MORTON		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		GABBERT & JONES #12		CEMENT SURFACE CASING		05/04/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
19595	JOHN SHILLING		33876	COMPANY TRUCK	50353	

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

SEP 9
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	RICING AREA - EASTERN AREA1 MILEAGE	40	MI	2.75	110.00
001-016	CEMENTING CASING	1574	FT	1,105.00	1,105.00
030-016	CEMENTING PLUG SW ALUM TOP	8 5/8	IN	120.00	120.00 *
12A	GUIDE SHOE - 8 5/8" BRD THD.	1	EA	216.00	216.00 *
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1	EA	171.00	171.00 *
2915.19502	FILL-UP UNIT 7"- 8 5/8"	1	EA	55.00	55.00 *
815.19415	CENTRALIZER 8-5/8" X 12.25"	3	EA	72.00	216.00 *
807.93059	HALLIBURTON WELD-A	1	LB	14.50	14.50 *
890.10802	CEMENT BASKET 8 5/8"	1	EA	122.00	122.00 *
800.8888	CEMENT - 50/50 POZMIX PREMIUM	550	SK	6.82	3,751.00 *
504-043	CEMENT - PREMIUM	200	SK	8.69	1,738.00 *
507-277	HALLIBURTON-GEL BENTONITE	9	SK	15.50	139.50 *
509-406	ANHYDROUS CALCIUM CHLORIDE	13	SK	28.25	367.25 *
500-207	BULK SERVICE CHARGE	794	CFT	1.25	992.50 *
500-306	MILEAGE CMTB MAT DEL OR RETURN	678.87	THI	0.85	577.04 *
	INVOICE SUBTOTAL				9,694.79
	DISCOUNT-(BID)				3,684.01-
	INVOICE BID AMOUNT				6,010.78
	**KANSAS STATE SALES TAX				257.62
	***** CONTINUED ON NEXT PAGE *****				

4182-2044

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 13 1993

CURTIS DIVISION
LIBERAL, KS

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 REASONABLE FEE OF THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

ORIGINAL

CONFIDENTIAL

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
345528	05/04/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
SEWARD "I" 3	MORTON	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	GABBERT & JONES #12	CEMENT SURFACE CASING	05/04/1993		
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
9595	JOHN SHILLING		33876	COMPANY TRUCK	50353

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

ROL
SEP 9
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*--SEWARD COUNTY SALES TAX				52.58
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$6,320.98

4182-2040
W

4182-2041

SEP 15 1993
CONSERVATION DIVISION
HIA KS

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

HALLIBURTON SERVICES

ORIGINAL
CONFIDENTIAL

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO. 345559 DATE 05/13/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
AYWARD "I" 3	MORTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	GABBERT & JONES #12	CEMENT PRODUCTION CASING	05/13/1993
COIT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
19595	JOHN SHILLING	33876	COMPANY TRUCK
			FILE NO. 50943

ANADARKO PETROLEUM CORP SEP 9
 P. O. BOX 351
 LIBERAL, KS 67905-0351
 CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
 FIRST OKLAHOMA TOWER
 210 WEST PARK AVENUE
 SUITE 2050
 OKLAHOMA CITY, OK 73102-5601

PRICE REF	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	TRICING AREA - EASTERN AREA1 MILEAGE	20	MI	2.75	55.00
001-016	CEMENTING CASING	5666	FT	1,650.00	1,650.00
030-016	CEMENTING PLUG 5W ALUM TOP	5	1/2 IN.	60.00	60.00
018-315	MUD FLUSH	1260	GAL	.65	819.00
218-738	CLAYFIX II	4	GAL	21.50	86.00
504-043	CEMENT - PREMIUM	175	SK	8.69	1,520.75
504-118	CEMENT - HALL, LIGHT PREMIUM	50	SK	7.89	394.50
507-210	FLOCELE	44	LB	1.40	61.60
507-778	HALAD-344	50	LB	23.00	1,150.00
508-101	THIXSET COMPONENT A	165	LB	5.35	882.75
508-103	THIXSET COMPONENT B	41	LB	8.40	344.40
508-291	GILSONITE BULK	875	LB	.40	350.00
500-207	BULK SERVICE CHARGE	246	CFT	1.25	307.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	222.36	TMI	.85	189.01
INVOICE SUBTOTAL					7,870.51
DISCOUNT-(BID)					1,416.67-
INVOICE BID AMOUNT					6,453.84
*-KANSAS STATE SALES TAX					165.16
*-SEWARD COUNTY SALES TAX					33.70
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,652.70

4182-2040
KJ

Jim B...

5-26-93

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KANSAS CORPORATION COMMISSION

\$ 6652.70

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

HALLIBURTON SERVICES

A Halliburton Company

CONFIDENTIAL

ORIGINAL
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO. DATE

345713 06/18/1993

WELL/SENO/PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
YUARD "I" 3	MORTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
BERAL	BEST WELL SERVICE	SQUEEZE PERFORATIONS	06/18/1993
CT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
9595	STEVE RIDENOUR	33876	COMPANY TRUCK
			FILE NO
			52231

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

SEP 9

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

QUANTITY	UNIT	UNIT PRICE	AMOUNT
ICING AREA - EASTERN AREA1			
00-117 MILEAGE	23 MI	2.75	63.25
09-134 CEMENT SQUEEZE	1 UNT		
009-019	5360 FT	1,585.00	1,585.00
04-043 CEMENT - PREMIUM	1 UNT		
07-665 HALAD-9	25 SK	8.69	217.25
00-058 MINIMUM DELIVERY CEMENT	14 LB	8.60	120.40
00-207 BULK SERVICE CHARGE	25 SK	8.69	217.25
00-306 MILEAGE CMTG MAT DEL OR RETURN	50 CFT	1.25	62.50
	54.05 TMI	.85	45.00MN
INVOICE SUBTOTAL			2,330.65
DISCOUNT-(BID)			466.13
INVOICE BID AMOUNT			1,864.52
*-KANSAS STATE SALES TAX			91.37
*-SEWARD COUNTY SALES TAX			18.65
INVOICE TOTAL - PLEASE PAY THIS AMOUNT			\$1,974.54

4182 - 2060
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KANSAS CORPORATION COMMISSION
SEP 13 1993
CONSERVATION DIVISION
WICHITA, KS

FINAL APPROVAL

AFE #	LOCATION
LIBERAL OPERATIONS	
JUN 28 1993	
APPROVED	IBC
DATE	ANSIBLE
	FCAT

628-93

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.