

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

API NO. 15- 175-21747-00-00

County SEWARD
120' S OF
C - W/2 - SW - NE Sec. 2 Twp. 34 Rge. 34 X W

Operator: License # 4549

2100 Feet from (N)X (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

2310 Feet from (E)X (circle one) Line of Section

Address P. O. BOX 351

Footages Calculated from Nearest Outside Section Corner:
(NE) SE, NW or SW (circle one)

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name KEATING-STEPHENS "A" Well # 5

Purchaser: ANADARKO ENERGY SERVICES

Field Name ADAMSON

Operator Contact Person: DAVID W. KAPPLE

Producing Formation MORROW

Phone (316) 624-6253

Elevation: Ground 2898.3 KB

Contractor: Name: CHEYENNE DRILLING

Total Depth 6580 PBSD 6035

License: 5382

Amount of Surface Pipe Set and Cemented at 1658 Feet

Wellsite Geologist:

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well _____ Re-Entry _____ Workover

If Alternate II completion, cement circulated from _____

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.

feet depth to _____ w/ _____ sx cmt.

X Gas _____ ENHR _____ SIGW

Drilling Fluid Management Plan AH-12-30-98 UC
(Data must be collected from the Reserve Pit)

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Chloride content 6000 ppm Fluid volume 700 bbls

Operator: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Well Name: _____

Location of fluid disposal if hauled offsite:

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Operator Name _____

_____ Plug Back _____ PBSD

Lease Name _____ License No. _____

_____ Commingled _____ Docket No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

_____ Dual Completion _____ Docket No. _____

County _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

9-14-98 9-25-98 11-18-98

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 L. Marc Harvey
L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 12-18-98

Subscribed and sworn to before me this 18th day of December
19 98.

Notary Public Freda L. Hiny
Date Commission Expires _____

FREDA L. HINY
Notary Public - State of Kansas
My Appt. Expires 5-15-99

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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name KEATING-STEPHENS "A" Well # 5

Sec. 2 Twp. 34 Rge. 34 East County SEWARD
 West

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: CBL-CCL-GR, DIL, CNL-LDT, LS SONIC, ML.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr><td>CHASE</td><td>2612</td><td></td></tr> <tr><td>COUNCIL GROVE</td><td>2971</td><td></td></tr> <tr><td>HEEBNER</td><td>4259</td><td></td></tr> <tr><td>TORONTO</td><td>4292</td><td></td></tr> <tr><td>LANSING</td><td>4413</td><td></td></tr> <tr><td>MARMATON</td><td>5082</td><td></td></tr> <tr><td>CHEROKEE</td><td>5409</td><td></td></tr> <tr><td>MORROW</td><td>5731</td><td></td></tr> <tr><td>CHESTER</td><td>6007</td><td></td></tr> <tr><td>STE. GENEVIEVE</td><td>ERODED</td><td></td></tr> <tr><td>ST. LOUIS</td><td>6477</td><td></td></tr> </tbody> </table>	Name	Top	Datum	CHASE	2612		COUNCIL GROVE	2971		HEEBNER	4259		TORONTO	4292		LANSING	4413		MARMATON	5082		CHEROKEE	5409		MORROW	5731		CHESTER	6007		STE. GENEVIEVE	ERODED		ST. LOUIS	6477	
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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"	23.0	1658	P+ MIDCON 2/ PREM PLUS	320/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6580	50/50 POZ/ 50/50 POZ	25/135	.75% HALAD 322, 10% SALT, 1/4#SK FLC/SAME.

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 checked="" type="checkbox"/> Plug Off Zone	6412-6426	CLASS H PREM	50	0.5% HALAD 9.

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	Depth
2	6412-6426. SQUEEZED.	ACID: 700 GAL 7 1/2% HCL.	6412-6426
2	6363-6372, 6377-6388, CIBP @ 6115.	ACID: 1000 GAL 7 1/2% HCL.	6363-6388 (OA)
2	6041-6051, CIBP @ 6035.	ACID: 1000 GAL 15% HCL.	6041-6051
3	5990-6004	ACID: 700 GAL 7 1/2% HCL. FRAC: 36000 GAL FMD GEL & 72600# 16/30 SD.	5990-6004 5990-6004
TUBING RECORD	Size Set At Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Date of First, Resumed Production, SWD or Inj. 12/17/98		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 2100	Water Bbls. 0	Gas-Oil Ratio Gravity

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: 5990-6004

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10936

Well Name & No. Heating Stephens #A-5 Test No. 41 Date 9-23-98
 Company Anadarko Pet. Inc. Zone Tested Basal Chester
 Address Liberal KS. Elevation 2911 KB 2898 GL
 Co. Rep / Geo. Curtis Covey Cont. Cherokee Ky #12 Est. Ft. of Pay 35 Por. 16 %
 Location: Sec. 2 Twp. 34S Rge. 34W Co. Seward State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6256 - 6324 Initial Str Wt./Lbs. 114,000 Unseated Str Wt./Lbs. 118,000
 Anchor Length 68' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 180,000
 Top Packer Depth 6251 Tool Weight 1,800
 Bottom Packer Depth 6256 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
 Total Depth 6324 Wt. Pipe Run _____ Drill Collar Run 5647
 Mud Wt. 9.2 LCM 4⁺ Vis. 57 WL 80 Drill Pipe Size 45x-0 Ft. Run 6324

Blow Description Slow building blow built to 5 1/2"
ISI No Blow Back
2nd opening slow building blow built to 5 1/2" through
ESI No Blow Back

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
30'		30	
Rec. 30'	Feet Of <u>Wily mud</u>	%gas	%oil %water %mud
Rec. _____	Feet Of _____	%gas	%oil %water %mud
Rec. _____	Feet Of _____	%gas	%oil %water %mud
Rec. _____	Feet Of _____	%gas	%oil %water %mud
Rec. _____	Feet Of _____	%gas	%oil %water %mud

BHT 13.3 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud	<u>3190</u> <u>3396</u> PSI	Recorder No. <u>3227</u>	T-Started <u>11:15pm</u>
(B) First Initial Flow Pressure	<u>45</u> <u>119</u> PSI	(depth) <u>6259</u>	T-Open <u>1:12pm</u>
(C) First Final Flow Pressure	<u>48</u> <u>130</u> PSI	Recorder No. <u>10993</u>	T-Pulled <u>5:42pm</u>
(D) Initial Shut-in Pressure	<u>232</u> <u>271</u> PSI	(depth) <u>6321</u>	T-Out <u>8:00pm</u>
(E) Second Initial Flow Pressure	<u>39</u> <u>130</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure	<u>56</u> <u>141</u> PSI	(depth) _____	
(G) Final Shut-in Pressure	<u>288</u> <u>315</u> PSI	Initial Opening <u>30min</u>	Test <u>✓ Cover final</u>
(H) Final Hydrostatic Mud	<u>2942</u> <u>3163</u> PSI	Initial Shut-in <u>60min</u>	Jars <u>✓</u>
	<u>API 10</u> <u>API 1</u>	Final Flow <u>60min</u>	Safety Joint <u>✓</u>
		Final Shut-in <u>120min</u>	Straddle _____
			Circ. Sub <u>✓ N/C</u>
			Sampler _____
			Extra Packer <u>✓ 2 State Pickers</u>
			Elect. Rec. <u>✓</u>
			Other <u>M. Case 56</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Curtis Covey Sub Hays

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 10936 Date 9-23-98
Company Name Anadarko Pet.
Lease Kauting Stephens #A-5 Test No. D4 #1
County Seward Sec. 2 Twp. 34S Rng. 34W

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4000 _____ ML
Water _____ ML
Other _____ ML
Pressure 125 _____ PSI
Total 4000 _____ ML

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIT MUD ANALYSIS

Chlorides 1000 _____ ppm.
Resistivity _____ ohms @ _____ F
Viscosity 57 _____
Mud Weight 9.2 _____
Filtrate 8.0 _____
Other _____

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

JOB SUMMARY 4239-1

TICKET #	382104	TICKET DATE	9-15-98
REGION	North America	BDA / STATE	Kansas
NWA / COUNTRY	Mid Con U.S.A.	COUNTY	Seward
MBU ID / EMP #	MC550011 E0918	PSL DEPARTMENT	Cement
LOCATION	Liberal Ks.	CUSTOMER REP / PHONE	Jim Barlow
TICKET AMOUNT	14,061.76	API / UWI #	
WELL LOCATION		JOB PURPOSE CODE	010
LEASE / WELL #	Kenting-Stephens A-5	SEC / TWP / RNG	2-34S-34W

EMPLOYEE NAME	M. KEESEE
COMPANY	ANADARKO
WELL TYPE	01
DEPARTMENT	

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
M. KEESEE E0918	10						
D. McIene G3601	10						
C. Ashley 44061	10						
B. Humphreys J6170	10						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420044	7 1/2	20					
76900	RPM	20					
77031	Bulk	31					
75817	Bulk	31					

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	9-15-98	9-15-98	9-15-98	9-15-98
TIME	0645	0930	1318	1500

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe	1	
Centralizers	5	S-4
Bottom Plug		
Top Plug	1	5W
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23#	8 5/8	0	11670	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
		9-15-98	0	See Job Log
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED Avail. Used

AVERAGE RATES IN BPM

TREATED Disp. Overall

CEMENT LEFT IN PIPE

FEET Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	320	P+ Maxion	B	30% Cont. Maxion, 0.1% FLOPA, 1/4# / SK Floerle	2.57	10.64
2	100	Perm Plug	B	20% Cont. Chlor., 1/4# / SK Floerle	1.34	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal _____
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI _____
 Total Volume Gal - BBI _____



JOB SUMMARY 4239

ORIGINAL

TICKET #	381985	TICKET DATE	9-26-98
BDA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	2F	CUSTOMER REP / PHONE	JR Stark
APR / UWI #		JOB PURPOSE CODE	035

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	1250103	EMPLOYEE NAME	Tyler Davis
LOCATION	Liberty	COMPANY	APC
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	Leard	DEPARTMENT	21
LEASE/WELL #	Leard	SEC / TWP / RNG	2-34-34

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
J Davis KH550			
B McEntyre 112308			
D Fulk J0763			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
5408-77941	30						
52276-7644	31						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-26-98 1500		9-26-98 1730	9-26-98 2245	9-26-98 2745

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 5 1/2	1	H
Float Shoe 5 1/2	1	
Guide Shoe 5 1/2	1	O
Centralizers 5 1/2	14	
Bottom Plug		W
Top Plug 5 1/2	1	
Head 5 1/2	1	G
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	100	6594	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				CRAT
				5 1/2
				LS
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	25	Blum 50/50	B	10% salt, 75% H ₂ O, 3% 1/4" fine silica	128	110
2	25	"	"	"	128	110
3	25	"	"	"		

Circulating	Displacement	Preflush:	Gal - BBI 26	Type	H ₂ O SF
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad:	BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp:	BBI - Gal 156
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI 10.6	31% 6000	
	15 Min	Total Volume	Gal - BBI		

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____

JOB SUMMARY ORIGINAL

TICKET # **382255** TICKET DATE **10-16-98**
 ORDER NO. 70006
 REGION **North America** NWA/COUNTRY **Midcontinent** BDA / STATE **Ks.** COUNTY **SEWARD**
 MBU ID / EMP # **L10203 71281** EMPLOYEE NAME **Jeff Clark** PSL DEPARTMENT **500Z**
 LOCATION **025540** COMPANY **ANADARKO Petroleum Corp.** CUSTOMER REP / PHONE **DAV EISENHAUER 316 629 0062**
 TICKET AMOUNT **5421.47** WELL TYPE **01** APL / UWI #
 WELL LOCATION **NW 1/4 Liberal, Ks.** DEPARTMENT **500Z** JOB PURPOSE CODE **667**
 LEASE / WELL # **Keating-Stephens A-5** SEC / TWP / RNG **2-34S-34W**

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
<i>above</i>			
Robert Elwood D-4360			
steeking RAINES H-3377			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420366							
420041							
53554-7820Z							

Form Name **Chester** Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type **EZSV** Set At **sk. @ 6705**
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	10-16-98 0830	10-16-98 1030	10-16-98 1030	10-16-98

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	u	15'50	5 1/2	GL		
Liner						
Liner						
Tbg/D.P.	u	4.7	2 3/8	GL	6403	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations					6412 - 6424	
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls		
Other	35.5 5x - form.	
Other	2.2 5x - Csg	
Other	12.3 5x - Pit	
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
10/16/98	2.3	10/16	1.1	E-Line Set EZSV
				TH w/ starguide
				Squeeze Perfs
				900 ft.
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER
 ORDERED Avail. Used
TREATED AVERAGE RATES IN BPM Disp. Overall
FEET CEMENT LEFT IN PIPE Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	50	Premium	B	5/10% HALAD 9	1.06	16.4

Circulating _____	Displacement _____	Preflush: Gal - BBI	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal 22.5
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI	
		Total Volume Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE
DAV EISENHAUER

HALLIBURTON

JOB LOG 4239-5

COPY

TICKET # 382104

TICKET DATE 9-15-98

North America	NW/COUNTRY Mid CON U.S.A	BDA / STATE KANSAS	COUNTY SEWARD
ID / EMP # 55011 E0918	EMPLOYEE NAME M. REESE	PSL-DEPARTMENT CENTRAL	
LOCATION CENTRAL Ks.	COMPANY ANADARKO	CUSTOMER REP / PHONE JIM BARLOW	
TICKET AMOUNT 19,000.76	WELL TYPE OT	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE 010	
LEASE / WELL # Wichita Stephens A-5	SEC / TWP / RNG 2-34S-34W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
REESE E0918 10			
Jim Barlow (A-5100) 10			
A. J. P. #40061 10			
STURDUE & J. W. R. 10			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (ps)	JOB DESCRIPTION / REMARKS
				T	C		
	0645						Out
	0930						ON LOC - Tail Gate Safety Meeting
	1030						Rigged up - Standby
	1335						Stab Head make up circ Iron
	1340						Safety Meeting
	1345						Switch lines to ROM
	1348	4	10			140	Pump H2O Ahead
	1351	6.3	156.75			225	Pump Lead Cement
	1420	6.6	24			102	Pump TAIL Cement
	1425						Shut Down Drop Plug
	1426	11	104.25			250	Pump H2O Displacement
	1440	2				263	Slow Rate Down to 2 BPM AS per ANADARKO
	1445	1				275	Slow Rate Down to 1 BPM AS per ANADARKO
	1500					750	Bump Plug put 500 over
	1501						Release Plug Floats Held
	1510						Start Rig Down
	1545						Off LOC

RECEIVED
 WICHITA CORPORATION COMMISSIONER
 SEP 23 1998
 CONSERVATION DIVISION
 Wichita Kansas

Off Stand