

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NONE-SIOW

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

12-13-97 12-24-97 3-25-98

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21689 - 0000

County SEWARD

C NW SE Sec. 35 Twp. 33 Rge. 33 X W

1980 Feet from X (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

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

Lease Name PRIEFFERT "D" Well # 2

Field Name CONDIT

Producing Formation U. LANSING

Elevation: Ground 2820.2 KB _____

Total Depth 6450 PBD 4618

Amount of Surface Pipe Set and Cemented at 1554 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 4712 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Att. 1, 6-9-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1300 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

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.

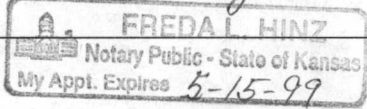
Signature L. Marc Harvey
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 4-9-98

Subscribed and sworn to before me this 9th day of April
19 98.

Notary Public Freda L. Hinz

Date Commission Expires _____



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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name PRIEFERT "D" Well # 2

Sec. 35 Twp. 33 Rge. 33 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) List All E.Logs Run: SBT-CCL-GR, DIL, CNL-LDT, ML, MSFL.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>CHASE</td> <td>2592</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2960</td> <td></td> </tr> <tr> <td>HEEBNER</td> <td>4260</td> <td></td> </tr> <tr> <td>TORONTO</td> <td>4300</td> <td></td> </tr> <tr> <td>LANSING</td> <td>4421</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>5120</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5322</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5682</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>5912</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>6237</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>6305</td> <td></td> </tr> </table>	Name	Top	Datum	CHASE	2592		COUNCIL GROVE	2960		HEEBNER	4260		TORONTO	4300		LANSING	4421		MARMATON	5120		CHEROKEE	5322		MORROW	5682		CHESTER	5912		STE. GENEVIEVE	6237		ST. LOUIS	6305	
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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	1554	P+ MIDCON 2/ P+ MIDCON 2.	305/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6279	50/50 POZ. STAGE 1	200	1%CC, .75% HALAD 322, 10% SALT, 1/4#SK FLC.
			DV TOOL @	4712	50/50 POZ. STAGE 2	150	SAME AS ABOVE.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate	SQUEEZE			
___ Protect Casing	4400-4651	50/50 POZ	100	.6% HALAD 322, 10% SALT, 4#SK EA2, 1/4#SK FLC.
___ Plug Back TD	SQZ. PERFS	CLASS H	25/50	.6% HALAD 322, NEAT.
___ Plug Off Zone	(4508-4520)			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
3	6128-6134, 6148-6155.	CIBP @ 6000'	ACID: 1000 GAL 7% FeHCL.	6128-6155 (OA)
3	5722-5734	CIBP @ 5600'	ACID: 600 GAL 7% FeHCL.	5722-5734
4	4508-4520	SQZD PERFS.	NONE	
4	4473-4482		ACID: 600 GAL 15% FeHCL.	4473-4482
TUBING RECORD	Size 2 3/8"	Set At 4485	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 1-31-98, SI ON 3-25-98. RECOMPLETING.		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 0 Bbls.	Gas TSTM	Mcf 149	Water Bbls. 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 4473-4482



JOB SUMMARY 4239-1

TICKET # **234317** TICKET DATE **12-14-97**

BDA / STATE **KS.** COUNTY **SEWA Rcd**

PSL DEPARTMENT **CEMENT**

CUSTOMER REF / PHONE **JIM BARLOW** RECEIVED **KANSAS CORP. CO.**

API / UWI #

JOB PURPOSE CODE **010-8 1/2 SURFACE**

REGION **North America** NWA/COUNTRY **Mid CONTINENT**

MBU ID / EMP # **LI/04 62573** EMPLOYEE NAME **JOHN WOODROW**

LOCATION **LIBERAL KS** COMPANY **ANADARKO PETROLEUM**

TICKET AMOUNT

WELL TYPE **02**

WELL LOCATION DEPARTMENT **CEMENT**

LEASE / WELL # **PRIEFERT D-2** SEC / TWP / RNG **35-33S-33W**

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
G. HUMPHRIES H9692			
L. PATTERSON H8760			
D. HAMILTON G3090			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52276/7649							
50866/75239							

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
	12-14-97	12-14-97	12-14-97	12-14-97
TIME	0700	0930		1515

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar ILSKRT 8 1/8	1	H
Float Shoe		
Guide Shoe REC 8 7/8	1	O
Centralizers S-9 8 7/8	4	
Bottom Plug		W
Top Plug S-W 8 7/8	1	
Head P/C		G
Packer		
Other BASKET 8 1/8	1	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23'	8 7/8	KB	1565	
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	
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
	305	pt Midcon	B	3 1/2 CC 1/4 HOOLEX	3.25	11.1
	100	pt	B	2 1/2 CC 1/4 HOOLEX	1.32	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____

Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____

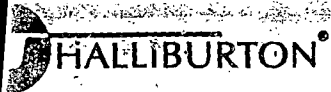
Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal **97.5**

Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI **775 @ 25.5 TC**

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 LOG 4239-5

TICKET #	234317	TICKET DATE	12-14-77
BDA / STATE	KS.	COUNTY	SEWARD
PSL DEPARTMENT	RECAMENT	CUSTOMER REP / PHONE	JIM BARLOW
API / UWI #	1498 APR 14 A 315 21	JOB PURPOSE CODE	010-8X STAGE

ON	North America	NWA/COUNTRY	MID CONTINENT
ID / EMP #	62573	EMPLOYEE NAME	JOHN WOODROW
ATION	KS.	COMPANY	ANADARKO PETROLEUM
WELL TYPE	02	DEPARTMENT	CEMENT
LL LOCATION		SEC / TWP / RNG	35-335-33W

EMP NAME/EMP#/(EXPOSURE HOURS) HRS	EMP NAME/EMP#/(EXPOSURE HOURS) HRS	EMP NAME/EMP#/(EXPOSURE HOURS) HRS	EMP NAME/EMP#/(EXPOSURE HOURS) HRS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0930							JOB READY CALLED OUT FOR JOB
	1145							PUMP TRUCK ON LOCATION / RC STILL DRILLING SET UP PUMP TRUCK
	1200							RIG THROUGH DRILLING 1550' OF 12 1/4 HOLE ON BOTTOM CIRCULATING TRIP OUT DRILL PIPE
	1500							START RUNNING 8 3/8 CSG & FIT EQUIPMENT CASING ON BOTTOM 1565 HOOK UP 8 3/4 P/C & CIRCULATING TROD START CIRCULATING WITH RIG PUMP Hold SAFETY MEETING
	1535							THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
	1532	7.0	174			5/204		JOB PROCEDURE - START MIXING 305 SKS LEAD CMT AT 16.1 49/GAL
	1556	6.5	23.5			117		MIX 100 SKS TAIL CMT AT 14.8 43/GAL THROUGH MIXING CMT / SHUT DOWN
	1608	6.0						RELEASE PLUG / START DISPENSING HAVE 40 BBLS OUT / HAVE CMT RETURNS TO SURFACE /
	1615		98.5			35		PLUG DOWN / RELEASE FLOAT FLOAT HUNG
(CIRCULATED 40 BBLS TO PIT 104 SKS)								
THANK YOU! FOR CALL NO HALLIBURTON								
WOODY + GARY								



JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY Mid Continent	TICKET # 234478	TICKET DATE 12-30-97
MBU ID / EMP # 63601	EMPLOYEE NAME D. McHane	BDA / STATE KS	COUNTY Seward
LOCATION Liberal	COMPANY Anadarko Petroleum	PSL DEPARTMENT Cement	
TICKET AMOUNT 12709.55	WELL TYPE 01	CUSTOMER REP / PHONE RECEIVED	
WELL LOCATION Land	DEPARTMENT Cement	API / UWI # KANSAS CORP	
LEASE / WELL # D-2	SEC / TWP / RNG 35 33S 33W	JOB PURPOSE CODE 0785 APR 14 A 11-297	

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
4200401							
B. Johnson J 1532							
S. Grant H 41639							
R. Johnson C 9713							

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
4200401	25						
52554 - 76900	25						
53404 - 75505	60						
53335 5617	60						

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
12-29-97	12-29-97	12-29-97	12-30-97	12-30-97
TIME	1930	2100	0615	0900

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe 5/8"	1	
Guide Shoe		
Centralizers 5/8"	24	
Bottom Plug 5/8"	1	
Top Plug		
Head 5/8"	1	
Packer		
Other D.I. Tool 5/8"	1	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	12-11	15.5	5 1/2	5254	KB	
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	
				See Job Log

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason
41045		Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	200	50/50/100	B	1% CC, 75% Admix, 3% 22, 10% 5-1/2, 1/4" 5/8" 5/8"	1.28	14.4
2	50	"	"	"	1.91	12.5
2	100	"	"	"	1.28	14.4
	25	"	"	"	RH	MH

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	Type
Average	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
	5 Min	Cement Slurr	Gal - BBI	148-11
	15 Min	Total Volume	Gal - BBI	2nd L.C. 17 70 2

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____

TICKET #	734478	TICKET DATE	12-30-97
BDA / STATE	KS	COUNTY	Sumner
PSL DEPARTMENT	Cement	RECEIVED	
CUSTOMER REP / PHONE	KANSAS CORP		
API / UWI #	235 1998 APR 14 A 11:30		
JOB PURPOSE CODE	235 1998 APR 14 A 11:30		

REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	LT 1015 (360)	EMPLOYEE NAME	O. M. Shaw
LOCATION	1. h. h. h.	COMPANY	Amulacki Petroleum
TICKET AMOUNT	18294.56	WELL TYPE	
WELL LOCATION	h. h. h.	DEPARTMENT	Cement
LEASE / WELL #	D. 2	SEC / TWP / RNG	35 33S 33W

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
B. Tambunan J1635							
S. Grant J4639							
R. Anderson C8213							

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2330							Job Ready
	1930							Called for Job
	2100							on location set up pump truck & lay down down D.P
	2200							start running Csg & start Equip
	0510							Csg on Bottom
	0515							Hook up PIC & Circulating Iron
	0525							start circulating
	0608							through circulating
	0610							Hook up to Halliburton
								Job Procedure 1st Stage 5 1/2 D.W
	0615	6	8			0/300		start fresh water
	0617	6	10			300		start Super Flush
	0619	6	8			300		start fresh water
	0620	6	45.5					start Cement @ 14.4 #/gal
	0630							through mixing Cement
	0637							shut down / Release Plug
	0633							Wash up pumps & lines
	0635	6	40			0/200		start fresh water Displacement
	0645	6	108			20/200		start mud Displacement
	0700					58/200		Plug barrel
	0701							Draw Band
	0712					0/200		Test cement
								wait for 2nd stage
	0700							Wash Circulation
								Job Procedure for 2nd Stage
	0803	4	2.0			0/100		start fresh water
	0807	4	17			0/100		start Lead Cement @ 12.1 #/gal
	0812	4	22.5			100/100		start Tail Cement @ 14.4 #/gal
	0815							through mixing Cement
	0820							shut down / Release Plug
	0822							Wash up pumps & lines
	0825	4	112			0/100		start Displacement
	0800					50/200		Plug barrel
								Doubt have any cement in 2nd stage

Printed by Joe C. Hill Halliburton
 James E. Brown & Co.

TICKET #	TICKET DATE
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE	

REGION North America	NWA/COUNTRY
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RNG

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
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ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0800							Time Call Log
	0830							Time Ready
	0815							Time call Log
	0915							Hook Ups to Crane
	0920	5.5						Load Casing
	0945		130.8			500		Press
	0948							Kalbar Press
	1020							hookup crane
	1025	2				1150		at 11:15:30 in late
	1028		5			650		Press Reaction Back
	1028	5	415					Turnover Rate
	1038							Shut Down
	1330							Hookup Squeeze Manifold
	1346		1			500		Press 1st
	1343	2	5			500		at 13:43:00 in late
	1345					550		Press in
	1348		500					Start Mud Flow
	1357		8					Start Water Production
	1355							Start Flow
	1415		22.74					Shut Down
	1410					200		Start Flow
	1416		10.5			900		Press Carbon
	1419		5			1150		15 BPM
	1420		0.3			1250		17 BPM
	1421					140		Shut Down
	1423	3				700		Pressure
	1435		2.3			1200		Shut Down
	1438							Pressure
	1445							Flow w/ chg

Thanks For Calling
 Halliburton
 Dennis [Signature]
 [Signature]

JOB SUMMARY

ORDER NO. 70008

327 705

3-27-98

REGION North America	NWA/COUNTRY	BDA / STATE Ks	COUNTY Sumner
WELL ID / EMP # 11015	EMPLOYEE NAME 59179 Dennis	PSL DEPARTMENT CEMENT	
LOCATION Liberal	COMPANY Amadeco Production Co	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE OL	API / UWI #	
WELL LOCATION NE of Liberal	DEPARTMENT 5001 CEMENT	JOB PURPOSE CODE RECEIVED KANSAS CORP COM	
LEASE / WELL 02 RECEIPT	SEC / TWP / RNC		

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
D. Gowan 59179			
E. Clouse 43456			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
470041	25						
53552-78702	23						

ORIGINAL

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

TOOLS AND ACCESSORIES

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

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
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		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
3-27-98	0400		3-27-98		3-27
			0700		1445

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing		5 1/2	GL		
Liner					
Liner					
Tbg/D.P.		2 7/8	KB	450	
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				SQUEEZE
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
	25	Premix		1 1/2 Gal 20	1.06	16.4
	50	Premix		1 1/2 Gal	1.05	16.4

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal 17.4
		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 _____

REGION North America	NW/COUNTRY	BDA / STATE	COUNTY
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	RECEIVED JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG	KANSAS CORP. COMM	

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

ORIGINAL

CHART NO.	TIME	RATE (GPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Top	Csg	
	0400							Time Call
	0800							Time Ready
	0700							Time on Loc. Weaving loc. Get Right Direction
	0930							HES Sol EZSV on mixer line
	1010							Keep stroke
	1125							By Start Pump Then
								Hookup To Tub. - 1 lay washup line
	1408	2						Start Load. Hole
	1418		9			650		Procc
	1415		2					Start Pump
	1420	2						Start Pump Connect Down Hole
	1427		14.1					Finish Pump Connect
	1428							Start Pump Wash Day's Line
	1432	3						Start Pump
	1436					600		Procc Chutment
	1438	2						Start Pump On
	1446		1					Start Pump Check on/loc
	1447	1/4	1/2			80		Start Pump
	1448							Start Pump Back Phase
	1445							Finish w/ clean

Thanks for Call
Halliburton
Energy
Owens Corning
Ed. Chavez