

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: ANADARKO ENERGY SERVICES  
Operator Contact Person: DAVID W. KAPPLF  
Phone ( 316 ) 624-6253

Contractor: Name: CHEYENNE DRILLING  
License: 5382

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOH  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. PENDING  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

6-19-97 6-30-97 8-11-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21517-0000  
County MORTON  
- - NW - NE Sec. 26 Twp. 32 Rge. 41 X W

660 Feet from (N)X (circle one) Line of Section  
1980 Feet from (S)X (circle one) Line of Section

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

Lease Name GOING "A" Well # 7

Field Name DUNKLE

Producing Formation FT. SCOTT, PAWNEE, ALTAMONT, KANSAS CITY.

Elevation: Ground 3407.9 KB \_\_\_\_\_

Total Depth 5897 PBD 4500

Amount of Surface Pipe Set and Cemented at 1490 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.

Drilling Fluid Management Plan Att. 1, 3-17-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 900 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. \_\_\_\_\_

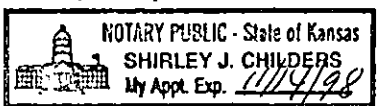
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 9-2-97

Subscribed and sworn to before me this 2nd day of September 1997.

Notary Public Shirley J. Childers  
Date Commission Expires 11/14/98



9-4-97

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 GOING "A" Well # 7

Sec. 26 Twp. 32 Rge. 41  East County MORTON  
 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: SBT-CCL-GR, DIL, CNL-LDT, ML, SONIC.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"><input checked="" type="checkbox"/> Log</td> <td style="width:70%;">Formation (Top), Depth and Datums</td> <td style="width:20%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td></td> <td>Name</td> <td>Top Datum</td> </tr> <tr> <td></td> <td>CHASE</td> <td>2156</td> </tr> <tr> <td></td> <td>COUNCIL GROVE</td> <td>2483</td> </tr> <tr> <td></td> <td>B/HHEEBNER</td> <td>3508</td> </tr> <tr> <td></td> <td>KANSAS CITY</td> <td>3784</td> </tr> <tr> <td></td> <td>MARMATON</td> <td>4201</td> </tr> <tr> <td></td> <td>PAWNEE</td> <td>4336</td> </tr> <tr> <td></td> <td>CHEROKEE</td> <td>4396</td> </tr> <tr> <td></td> <td>MORROW</td> <td>4710</td> </tr> <tr> <td></td> <td>MISSISSIPPIAN</td> <td>5187</td> </tr> <tr> <td></td> <td>ST. LOUIS</td> <td>5295</td> </tr> <tr> <td></td> <td>SPERGEN</td> <td>5488</td> </tr> <tr> <td></td> <td>OSAGE</td> <td>5740</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample		Name	Top Datum		CHASE	2156		COUNCIL GROVE	2483		B/HHEEBNER	3508		KANSAS CITY	3784		MARMATON	4201		PAWNEE	4336		CHEROKEE	4396		MORROW	4710		MISSISSIPPIAN	5187		ST. LOUIS	5295		SPERGEN	5488		OSAGE	5740
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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	1490	P+ MIDCON 2/ P+	290/160	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5273	P+ MIDCON 2/ VERSASET	140/130	2%CC, 1/4#SK FLC/ .6% HALAD 322, 5% KCL, 9% VERSASET, 1/4#SK FLC.

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	4199-4210	CLASS H	25	.6% HALAD 322

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	
	2	5100-5076, 5047-5054, CIBP @ 4500		ACID: 1600 GAL 7 1/2% FeHCL. 5047-5100 (OA)
4	4373-78, 4352-61, 4267-75.		ACID: 900 GAL 15% FeHCL. 4267-4378 (OA)	
4	4199-4210, SQZD.		ACID: 850 GAL 15% FeHCL. 4199-4210.	
4	4004-09, 3950-66.		ACID: 900 GAL 15% FeHCL. 3950-4009 (OA)	
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. 8-20-97		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 2018	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: 3950-4378 (OA)

Test Ticket

Nº 9141

Well Name & No. Goins A#7 Test No. 1 Date 6-27-97  
 Company Anadarko Pet. Zone Tested Lower Morrow Keys  
 Address h. 601 W. Elevation 3426 KB 3408 GL  
 Co. Rep / Geo. ED Givcs Cont. Chyan Rig #3 Est. Ft. of Pay ? Por.     %  
 Location: Sec. 26 Twp. 32S Rge. 41W Co. Morton State KS.  
 No. of Copies     Distribution Sheet (Y, N)     Turnkey (Y, N)     Evaluation (Y, N)    

Interval Tested 5044-5220 Initial Str Wt./Lbs. 90,000 Unseated Str Wt./Lbs. 90,000  
 Anchor Length 176' Wt. Set Lbs. 2500 Wt. Pulled Loose/Lbs. 145,000  
 Top Packer Depth 5039 Hole Size — 7 7/8" — Rubber Size — 6 3/4" —  
 Bottom Packer Depth 5044 Wt. Pipe I.D. — 2.7 Ft. Run N/A  
 Total Depth 5220 Drill Collar — 2.25 Ft. Run 710  
 Mud Wt. 9.2 LCM 2 Vis. 46 WL 9.2 Drill Pipe Size 4 1/2 x 0 Ft. Run      
 Blow Description NO Blow 10 min. into Flushed Tool NO Blow  
Went to Close Tool couldn't Torque Trip out Hole

~~MIS RUN~~

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>   </u> Feet Of <u>   </u>							
Rec. <u>   </u> Feet Of <u>   </u>							
Rec. <u>   </u> Feet Of <u>   </u>							
Rec. <u>   </u> Feet Of <u>   </u>							
Rec. <u>   </u> Feet Of <u>   </u>							

BHT     °F Gravity     °API D@     °F Corrected Gravity     °API  
 RW     @     °F Chlorides     ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2438 PSI Recorder No. 3024 T-Started 11:30 AM  
 (B) First Initial Flow Pressure     PSI @ (depth) 5046 T-Open 2:30 PM  
 (C) First Final Flow Pressure     PSI Recorder No. 105 T-Pulled 3:15 PM  
 (D) Initial Shut-in Pressure     PSI @ (depth) 5015 T-Out 7:00 PM  
 (E) Second Initial Flow Pressure     PSI Recorder No.      
 (F) Second Final Flow Pressure     PSI @ (depth)      
 (G) Final Shut-in Pressure     PSI Initial Opening 30 min. Test ✓ Conventional  
 (H) Final Hydrostatic Mud 2407 PSI Initial Shut-in     Jars    

Final Flow     Safety Joint      
 Final Shut-in     Straddle      
 Circ. Sub     Sampler    

Approved By [Signature] Extra Packer Ruined 2 Packers  
 Our Representative [Signature] Elect. Rec.      
 Other     TOTAL PRICE \$    

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.



# JOB SUMMARY 4239-1

TICKET # 235648      TICKET DATE 6-20-97

REGION <b>North America</b>	NWA/COUNTRY <b>M.D. Cont.</b>	BDA / STATE <b>KS</b>	COUNTY <b>MORTON</b>
MBU ID / EMP # <b>410105 / 85257</b>	EMPLOYEE NAME <b>John Kloft</b>	PSL DEPARTMENT <b>5001 Cement</b>	
LOCATION <b>Land</b>	COMPANY <b>Andar Kol Petro. Corp</b>	CUSTOMER REP / PHONE <b>J.R. Stuck</b>	
TICKET AMOUNT	WELL TYPE <b>01</b>	API / UWI #	
WELL LOCATION <b>Land</b>	DEPARTMENT <b>Cement 5001</b>	JOB PURPOSE CODE <b>010</b>	<b>ORIGINAL</b>
LEASE / WELL # <b>Going A-7</b>	SEC / TWP / RNG <b>26-32S-41W</b>		

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>R. Chatham</b>			
<b>R. Teepe</b>			
<b>S. Raine</b>			
<b>DANO</b>			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>52938-7131</b>							
<b>30866-7644</b>							
<b>50502-75505</b>							

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

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	<b>6-20-97</b>	<b>6-20-97</b>	<b>6-20-97</b>	<b>6-20-97</b>
TIME	<b>11:00</b>	<b>14:00</b>	<b>16:15</b>	<b>17:03</b>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe	<b>1</b>	<b>H</b>
Centralizers	<b>4</b>	<b>O</b>
Bottom Plug		
Top Plug	<b>1</b>	<b>O</b>
Head		
Packer Insert & Fill	<b>1</b>	<b>O</b>
Other Weld A	<b>1</b>	

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>W</b>	<b>23</b>	<b>8 7/8</b>	<b>0</b>	<b>1491</b>	<b>1500</b>
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	
<b>6-20-97</b>	<b>3hr</b>	<b>6-20-97</b>	<b>1hr</b>	<b>8 7/8 Surface</b>
	<b>to clean</b>			
	<b>to rip down</b>			
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET <b>45.28</b>	CEMENT LEFT IN PIPE Reason	<b>Shoe Joint</b>

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<b>1</b>	<b>290</b>	<b>Midcon PP</b>	<b>B</b>	<b>3% cc, K1 &amp; Floccle</b>	<b>3.23</b>	<b>11.1</b>
<b>2</b>	<b>100</b>	<b>Prem Plus (C)</b>	<b>B</b>	<b>2% cc, K1 &amp; Floccle</b>	<b>1.32</b>	<b>14.8</b>

Circulating	Displacement	Preflush:	Gal - BBI <b>8</b>	Type <b>H2O</b>
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal <b>93</b>
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI <b>4166.42</b>	<b>7) 23.50</b>
	15 Min	Total Volume	Gal - BBI <b>291.32</b>	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT      CUSTOMER'S REPRESENTATIVE SIGNATURE **J.R. Stuck**

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

**ORIGINAL**

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	11:00							Call Out
	14:00							On Location
	14:50							Run Float Equipment
	15:44							Drop Ball
	16:01							Circulate Hole w/ Rig Pump
	16:18	7	8			250		Pump 8 bbl H <sub>2</sub> O Ahead
	16:20	7	166.82			250		Mix'd Pump Lead CMT @ 11.1 gal
	16:40	7	23.50			100		" " tail CMT @ 14.8 gal
	16:47							Shutdown & Drop Plug
	16:48	7	93			360		Start Displacement
	17:00					360		Land Plug
	17:01							Release Back - Plug held
	17:03							End Job
								40 SK of CMT to pit ✓

THANK YOU  
 John R. AARON - Sterling  
 Rowdy  
 DANE

2140 N-35 Lbb  
 11/27/09 09:50 AM  
 11/27/09



**JOB SUMMARY** 4239-1

TICKET # \_\_\_\_\_ TICKET DATE **7-2-97**

REGION <b>North America</b>	NWA/COUNTRY <b>MID CONTINENT USA</b>	BDA / STATE <b>OKC KS</b>	COUNTY <b>MORTON</b>
MBU ID / EMP # <b>LJ0105</b>	EMPLOYEE NAME	PSL DEPARTMENT <b>CEMENT 5001</b>	
LOCATION <b>LIBERAL KS</b>	COMPANY <b>ANADARKO PETROLEUM</b>	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE <b>02</b>	API / UWI #	<b>ORIGINAL</b>
WELL LOCATION <b>SE RICHFIELD</b>	DEPARTMENT <b>CEMENT 5001</b>	JOB PURPOSE CODE <b>035</b>	
LEASE / WELL # <b>GOING A-7</b>	SEC / TWP / RNG <b>26-32S-91W</b>		

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>J NICHOLS 62098</b>							
<b>S DAINES H3377</b>							
<b>C ASHLEY 44061</b>							
<b>R. ELWOOD A-4360</b>							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>38242 P.O.</b>							
<b>52938-7131</b>							
<b>5784-7201</b>							

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
	<b>7-1-97</b>	<b>7-1-97</b>	<b>7-2-97</b>	<b>7-2-97</b>
TIME	<b>1800</b>	<b>2130</b>	<b>04:40</b>	<b>09:22</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <b>INSERT VALVE</b>	<b>1</b>	<b>H</b>
Float Shoe <b>FILL ASSEM.</b>	<b>1</b>	
Guide Shoe <b>REG</b>	<b>1</b>	<b>0</b>
Centralizers	<b>23</b>	
Bottom Plug		<b>W</b>
Top Plug <b>SWIPER</b>	<b>1</b>	
Head		<b>C</b>
Packer		
Other		<b>0</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>NEW</b>	<b>15.5</b>	<b>5 1/2</b>	<b>KB</b>	<b>5220</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			<b>7 7/8</b>	<b>6.4</b>	<b>5891</b>	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 _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>5 1/2 LONGSTRING</b>
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail. _____	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp. _____	
FEET	CEMENT LEFT IN PIPE	Reason
		<b>SHOE JOINT</b>

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<b>REM</b>	<b>25</b>	<b>MIDCON PP</b>	<b>B</b>	<b>2% CC 4 FLOCELE</b>		
<b>LEAD</b>	<b>140</b>	<b>MIDCON PP</b>	<b>B</b>	<b>2% CC 4 FLOCELE</b>	<b>2.00</b>	<b>12.8</b>
<b>TAIL</b>	<b>130</b>	<b>PREMIUM(H)</b>	<b>B</b>	<b>9% VERSASET, 5% KCL 6/10% HAAD 322 1/4# FLOCELE</b>	<b>1.41</b>	<b>14.5</b>

Circulating _____	Displacement _____	Preflush: Gal <b>BB</b>	Type <b>SUPERFLUSH</b>
Breakdown _____	Maximum _____	Load & Bkdn: Gal - <b>BB</b>	Pack: <b>BB</b> - Gal
Average _____	Frac Gradient _____	Treatment Gal - <b>BB</b>	Disp: <b>BB</b> - Gal <b>124.8</b>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - <b>BB</b>	
		Total Volume Gal - <b>BB</b>	

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

THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

TICKET #	235926	TICKET DATE	7-2-97
REGION	North America	NWA/COUNTRY	MIDWEST
MBU ID / EMP #	1-215	EMPLOYEE NAME	
LOCATION	L.D.D.P. KS	COMPANY	CONCRETE
TICKET AMOUNT		WELL TYPE	07
WELL LOCATION	CONCRETE	DEPARTMENT	CONCRETE 5001
LEASE / WELL #	A-7	SEC / TWP / RNG	20-20S-41W

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
TRUCKER	1.00						
CONCRETE	1.50						
CONCRETE	1.00						

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1800							CALLED OUT
	2130							ON LOCATION L.D.D.P.
7-2-97	04140							START Csg
	06150							Csg ON Bottom
	07107							Circulate w/Rig
	0810		4					Plug Rat
	0815		4					Plug Mouse
	0831							Hook TO HALLIBURTON
	0833	3.25	26			230		START TRAIL CMT @ 8 BBL/Hr, 10 <sup>8</sup> S.F., 8 <sup>8</sup> NAO
	0841	6.25	50			250		START LEAD CMT @ 12.2 <sup>8</sup> GAL
	0849	3.5	33			500		START TRAIL CMT @ 14.5 <sup>8</sup> GAL
	0854					MAC		SHUT Down
	0855					0		Drop 5 WIPPER Plug / WASH TO PIT
	0859	6.7	184.8			0		Pump Down
	0916	2	10			700		Slow Rate
	0921					700		Plug Down
	0922					1700		RELEASE BACK
	0922					0		Job Complete

THANK YOU FOR  
CALLING  
HALLIBURTON

11-075 1100  
11-075 1100  
11-075 1100



**JOB SUMMARY** 4239-1

TICKET #	234650	TICKET DATE	8/14/7
REGION	North America	BDA / STATE	Ks
NWA/COUNTRY	Mid Cont	COUNTY	Madison
MBU ID / EMP #	170103	EMPLOYEE NAME	Malvin Fox
LOCATION	LIBERAL	PSL DEPARTMENT	CRUIT
TICKET AMOUNT		COMPANY	ANADARKO
WELL LOCATION	W/ROLLA	CUSTOMER REP / PHONE	JR. Stucke
LEASE / WELL #	COFINS A-7	WELL TYPE	CEMENT
		API / UWI #	
		DEPARTMENT	CEMENT
		JOB PURPOSE CODE	075

**ORIGINAL**

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
STAIR E0568							
M Fox E0483							
G Hummeries H9192							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
50502 75505							
422042	8.114						
57813 76274	114						

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
TIME 1020	8/14	8/14	8/14	8/14
		1230	1300	1520

**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			5 1/2			
Liner						
Liner						
Tbg/D.P.			7 1/2	0	1106 1/2	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations	Squeeze					
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 _____	Qty. _____
Perpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED _____	HYDRAULIC HORSEPOWER	Used _____
TREATED _____	Average Rates in BPM	Overall _____
FEET _____	Cement Left in Pipe	Reason _____

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	H	Bulk	6/10/72 Hubbed 372		140.4

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment: Gal - BBI _____	Disp: BBI - Gal _____
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI _____	475
		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 #	234630	TICKET DATE	8/4/77
BDA / STATE	K5	COUNTY	MORTON
PSL DEPARTMENT	CE MF NT		
CUSTOMER REP / PHONE	JR. STUCK		
API / UWI #			
JOB PURPOSE CODE	075 ORIGINAL		

REGION	North America	NWA/COUNTRY	MICH CON T
MBU ID / EMP #	170103	EMPLOYEE NAME	MELVIN FOX
LOCATION	LIBERAL	COMPANY	AMADARKO
TICKET AMOUNT		WELL TYPE	OT
WELL LOCATION	N/KO/1A	DEPARTMENT	CEMENT
LEASE / WELL #	COFNG 1A-7	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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tog	Csg	
	1000							called out
	1200							on loc
	1235							Rig up
	1300		2 BBL			500		PRESS. BACKSIDE
	1307		20 BBL					LOAD TBG.
	1313	2.5	20 BBL			400		GET INJECTION RATE
	1315	2.5	470 BBL			400		Pump. Cont.
	1320							WASH UP TO PIT
	1325	1	14 BBL			15		DISPLACE
	1334		14 BBL			1		SHUT DOWN WATCH FOR VAC.
	1340		17 BBL			3		Still on vac
	1348		14 BBL			140		Pump on it
	1350		17 1/2					SHUT DOWN 15 min
	1410		17 1/2					RAMP ON IT
	1411		17 1/2					SHUT DOWN 15 min
	1420	.5	1/8			400		pump
	1442	.5	1/8			500		"
	1444	.5	-			810		"
	1450	.5	-			1000		"
	1458	.5	-			1100		"
	1457							Release pressure
	1500	.5	1/16			1200		pump
	1503							Release "
	1504	2				300		REVERSE OUT

RECEIVED  
 8/10/77  
 10:12 AM  
 11-12