

PRPA 080312

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Operator: License # 4549  
Name: ANADARKO PETR. CORP.  
Address: 701 S. TAYLOR STREET, SUITE 400  
City/State/Zip: AMARILLO, TEXAS 79101  
Purchaser: NA - INJECTION WELL  
Operator Contact Person: JOHN VIGIL  
Phone: (806) 457-4600  
Contractor: Name: MURFIN DRILLING CO., INC.  
License: 30606  
Wellsite Geologist: NONE

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows: INJECTION WELL

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. 03-CONS-203-CUNI

<u>6-3-2003</u>	<u>6-11-2003</u>	<u>6-21-2003</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 129-21696 -00-00  
County: MORTON  
AP NW NE SE NW Sec. 3 Twp. 33 S. R. 40  East  West  
1405 feet from S N (circle one) Line of Section  
2015 feet from E W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: SERU Well #: 9-3  
Field Name: STIRRUP  
Producing Formation: MORROW  
Elevation: Ground: 3219.0 Kelly Bushing: \_\_\_\_\_  
Total Depth: 5335 Plug Back Total Depth: 5285  
Amount of Surface Pipe Set and Cemented at 1477 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.

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Drilling Fluid Management Plan Letter 8.6.03  
(Data must be collected from the Reserve Pit)  
Chloride content 600 ppm Fluid volume 700 bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
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 of 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: [Signature]  
Title: Engr. Tech III Date: 7-24-03  
Subscribed and sworn to before me this 24 day of July, 2003  
Notary Public: Lori Pearson  
Date Commission Expires: 2/26/05

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received  
Geologist Report Received  
**LORI PEARSON**  
Notary Public, State of Kansas  
Commission Expires  
February 26, 2005

Operator Name: ANADARKO PETR. CORP. Lease Name: SERU Well #: 9-3  
 Sec. 3 Twp. 33 S. R. 40 East  West County: MORTON

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

CBL, DIL, CNL-LDT, ML, SONIC.

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
B/STONE CORRAL	1486	1733
CHASE	2182	1037
COUNCIL GROVE	2474	745
B/HHEEBNER	3648	-429
MARMATON	4430	-1211
MORROW SHALE	5013	-1794
MORROW "D"	5188	-1969

CASING RECORD  New  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"	21.8	1477	P+MC/P+	420/125	3%CC, .1%FWCA, 1/2 PPS FC/2%CC, 1/4PPS FC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5335	50/50 POZ	25/70	5%KCL, 5%JALAD 322, 1/2#/SK FLOCELE/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 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
4	5188-5224	4000 GAL 10% MSA.	5188-5224

TUBING RECORD	Size 2 7/8"	Set At	Packer At 5140	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. <b>SI WOPL</b>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)
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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, Sumit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) INJECTION WELL  
 Production Interval: 5188-5224

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<b>HALLIBURTON JOB LOG</b>				TICKET # <b>2495082</b>	TICKET DATE <b>06/11/03</b>
REGION <b>Central Operations</b>		NNA / COUNTRY <b>Mid Continent/USA</b>		BDA / STATE <b>MC/Ks</b>	COUNTY <b>MORTON</b>
MBU ID / EMPL # <b>MCLIO103 106304</b>		HES EMPLOYEE NAME <b>TYCE DAVIS</b>		PSL DEPARTMENT <b>Cement</b>	
LOCATION <b>LIBERAL KS</b>		COMPANY <b>ANADARKO PET</b>		CUSTOMER REP / PHONE <b>DARREL SMITH 806-679-1031</b>	
TICKET AMOUNT <b>\$8,070.32</b>		WELL TYPE <b>02 Gas</b>		APLANK #	
WELL LOCATION <b>LAND NW ROLLA KS</b>		DEPARTMENT <b>CEMENT</b>		JOB PURPOSE CODE <b>Squeeze Job</b>	
LEASE NAME <b>SERU</b>		Well No <b>9-4</b>	SEC / TWP / RNG <b>3 - 33S - 40W</b>	HES FACILITY (CLOSEST TO WELL #) <b>LIBERAL KS</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
Davis, T 106304	1.5	Archuleta, M 226383	1.5				
Harper, K 241985	0.5						
Willie D 225409	0.5						
Schawo, N 222552	4						

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate			Job Description / Remarks
				N2	CSG.	Tbg	
	0400						CALLED OUT FOR JOB
	0700						ON LOCATION RIG UP PT
	0837						PSI TEST LINES
	0840				0-500		LOAD ANNULAS
	0848	4.0	15			75	GET INJECTION RATE
	0856	3.5	30.0			100	PUMP 100SX THIXOTROPIC AT 14.1#
	0905	3.0	19.0			350	PUMP 100SX PREM W/2%CC AT 16.4#
	0909	1.0	19.0			650	SLOW RATE
	0918						SHUT DOWN WASH UP
	0921		11.3			VACC	DISPLACE
	0947	0.5	5.0			650	PUMP CEMENT AWAY AND ORDER MORE
	0954						SHUT DOWN
	1245						CEMENT ON LOCATION
	1258				0-500		LOAD ANNULAS
	1301	1.0	1.0			0-1000	GET INJECTION RATE
	1309	2.0				200	REVERSE OUT
	1318						SHUT DOWN
	1321	1.0				0-1000	PSI UP CASING
	1332						RELEASE PSI
	1335						PULL 3 STANDS
	1343	1.0				0-1000	PSI UP AND SHUT IN
	1400						JOB OVER

# HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER <b>2495082</b>	TICKET DATE <b>06/11/03</b>
SDA / STATE <b>MC/Ks</b>	COUNTY <b>MORTON</b>
PSL DEPARTMENT <b>Cement</b>	CUSTOMER REP / PHONE <b>DARREL SMITH 806-679-1031</b>
SAP BOND NUMBER <b>7526</b>	Squeeze Job
RES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL KS</b>	

REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Continent/USA</b>
WELL ID / EMPL # <b>MCLIO103 106304</b>	H E S EMPLOYEE NAME <b>TYCE DAVIS</b>
LOCATION <b>LIBERAL KS</b>	COMPANY <b>ANADARKO PET</b>
TICKET AMOUNT <b>\$8,070.32</b>	WELL TYPE <b>02 Gas</b>
WELL LOCATION <b>LAND NW ROLLA KS</b>	DEPARTMENT <b>CEMENT</b>
LEASE NAME <b>SERU</b>	Well No <b>9-4</b>
	SEC / TWP / RNG <b>3 - 33S - 40W</b>

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HES EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Davis, T 108304	6.5	Archuleta, M 226383	1.5	
Harper, K 241985	6.5			
Waffle D 226409	6.5			
Schawo, N 222652	4.0			

HES UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10219237	100			
54225-10011272	20			
54029-10011591	20			

Form Name \_\_\_\_\_ Type \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	6/11/2003	6/11/2003	6/11/2003	6/11/2003
Time	0400	0700	0830	1400

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
HEAD		
Limit clamp		
Weld-A		
Guide Shoe		
BTM PLUG		

	New/Used	Weight	Size	Grade	From	To	Max Allow
Casing	USED	11.6	4 1/2		0	4,290	
Liner							
Liner							
Tubing	USED	4.7	2 3/8		KB	2,385	
Drill Pipe							
Open Hole					2,514		Shots/Ft
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	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	
Frc Red	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perfpac Balls	Qty		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/11				Squeeze Job
Total		Total		

Ordered \_\_\_\_\_  Hydraulic, Horsepower \_\_\_\_\_ Used \_\_\_\_\_  
 Treating \_\_\_\_\_  Average, Rates in, BPM \_\_\_\_\_ Overall \_\_\_\_\_  
 Feet \_\_\_\_\_  Cement Left in, Pipe \_\_\_\_\_ SHOE JOINT  
 Reason \_\_\_\_\_

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	100	THIXOTROPIC		10% CALSEAL - 4% GEL - 2% CC - 1/4# FLOCELE	8.35	1.69	14.10
2	100	PREMIUM H		2% CC	4.33	1.07	16.40
3							
4							

Summary							
Circulating Breakdown	Displacement	Preflush	BB1	Type			
Lost Returns	MAXIMUM	Load & Bkdn	Gal - BB1	Pad Bbl - Gal			
Cmt Rtrn#Bbl	Actual TOC	Excess /Return	BB1	Calc Disp Bbl			
Average	Frac Gradient	Calc TOC		Actual Disp		11	
Shut In Instant	5 Min	Treatment	Gal - BB1	Disp Bbl			
	15 Min	Cement Slurry	BB1				
		Total Volume	BB1				
						49.0	
						60.30	

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

**THE INFORMATION STATED HEREIN IS CORRECT**  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

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**HALLIBURTON**

**Work Order Contract**

Halliburton Energy Services, Inc.  
 Houston, Texas 77056

Order Number 2495082

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BEEOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING

Well No <b>9-4</b>	Farm or Lease <b>SERU</b>	County <b>MORTON</b>	State <b>Ks</b>	Well Permit Number
Customer <b>ANADARKO PET</b>		Well Owner <b>ANADARKO PET</b>		Job Purpose <b>Squeeze Job</b>

**THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED**

**A. CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton")

**B. PRICE AND PAYMENT** - The services, equipment, products and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

**C. RELEASE AND INDEMNITY** - Customer agrees to **RELEASE** Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to **DEFEND, INDEMNIFY, AND HOLD** Halliburton Group **HARMLESS** from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from

loss of well control, services to control a wild well whether underground or above the surface, reservoir or underground damage, including loss of oil gas, other mineral substances or water, surface damage arising from underground damage, damage to or loss of the well bore, subsurface reservoirs or any action in the nature thereof, fire, explosion, subsurface pressure, radioactivity, and pollution and contamination and its cleanup and control.

**CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS** obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unconsciousness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its other officers, directors, employees, consultants and agents. Customer's **RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS** obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insureds on all of its general liability policies. Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

**D. EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

**E. LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.** Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, **HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART**

**INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP.** Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and **CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION** even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

**F. GOVERNING LAW** - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

**G. DISPUTE RESOLUTION** Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

**H. SEVERABILITY** - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to effect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

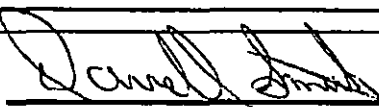
**I. MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX, 77020.

**I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.**

SIGNED \_\_\_\_\_ DATE: 06/11/03 TIME 0700  
 CUSTOMER Authorized Signatory

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER 2495082

  
 CUSTOMER Authorized Signatory

# HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER <b>2499496</b>	TICKET DATE <b>06/12/03</b>
BDA / STATE <b>MC/Ks</b>	COUNTY <b>MORTON</b>
PSL DEPARTMENT <b>Cement</b>	<b>ORIGINAL</b> 1-806-595-0980
CUSTOMER REP / PHONE <b>KENNY PARKS</b>	
APIUM #	
SAP BOMB NUMBER <b>7523</b>	Cement Production Casing
HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL, KS</b>	

REGION <b>Central Operations</b>	HWA / COUNTRY <b>Mid Continent/USA</b>
MBU ID / EMPL # <b>MCL10104 212723</b>	H.E.S. EMPLOYEE NAME <b>JERRAKO EVANS</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>ANADARKO PETROLEUM CORPORA</b>
TICKET AMOUNT <b>\$6,166.08</b>	WELL TYPE <b>01 Oil</b>
WELL LOCATION <b>ROLLA, KS</b>	DEPARTMENT <b>CEMENT</b>
LEASE NAME <b>SERU</b>	Well No. <b>9-3</b>
	SEC / TWP / RING <b>3 - 33S - 40W</b>

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Evans, J 212723	8.0			
Amett, J 226567	8.0			
Oliphant, C 243055	8.0			

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H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10415642	114			
54219-78299	114			
10010748-10011277	30			

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

Date	Called Out	On Location	Job Started	Job Completed
	6/12/2003	6/12/2003	6/13/2003	6/13/2003
Time	1630	2030	0100	0230

Tools and Accessories

Type and Size	Qty	Make
Float Collar SS II	1	HOWCO
Float Shoe SS II	1	HOWCO
Centralizers S-4	11	HOWCO
Top Plug ALUM	1	HOWCO
HEAD 5 1/2	1	HOWCO
Limit clamp 5 1/2	1	HOWCO
Weld-A	1	HOWCO
Guide Shoe		
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	15.5	5 1/2		0	5,348	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8			5,345	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/12	6.0	6/12	9.0	Cement Production Casing
Total	6.0	Total	9.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 45	Cement Left in Pipe Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	50/50 POZ PP		1/4# FLOCELE	28.29	4.26	10.00
2	70	50/50 POZ PP		5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL -	7.43	1.62	13.20
3	25	50/50 POZ PP		1/4# FLOCELE	28.29	4.26	10.00
4							

Summary

Circulating Breakdown	Displacement	Preflush: BBI	Type:
Lost Returns-Y	MAXIMUM	Load & Bkdn: Gal - BBI	Pad:Bbl -Gal
Cmt Rtrn#Bbl	Lost Returns-T	Excess /Return BBI	Calc.Disp Bbl
Average	Actual TOC	Calc. TOC:	Actual Disp. <b>126</b>
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI	Disp:Bbl
	5 Min. 15 Min.	Cement Slurry BBI	<b>46.0</b>
		Total Volume BBI	<b>172.00</b>

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

**THE INFORMATION STATED HEREIN IS CORRECT**  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

# ORIGINAL

<b>HALLIBURTON JOB LOG</b>					TICKET # <b>2499496</b>	TICKET DATE <b>06/12/03</b>
REGION <b>Central Operations</b>		NWA / COUNTRY <b>Mid Continent/USA</b>		BDA / STATE <b>MC/Ks</b>		COUNTY <b>MORTON</b>
MBU ID / EMPL # <b>MCL10104 212723</b>		H.E.S. EMPLOYEE NAME <b>JERRAKO EVANS</b>		PSL DEPARTMENT <b>Cement</b>		
LOCATION <b>LIBERAL</b>		COMPANY <b>ANADARKO PETROLEUM CORPO</b>		CUSTOMER REP / PHONE <b>KENNY PARKS</b>		<b>1-806-595-0980</b>
TICKET AMOUNT <b>\$6,166.08</b>		WELL TYPE <b>01 Oil</b>		API/UI #		
WELL LOCATION <b>ROLLA, KS</b>		DEPARTMENT <b>CEMENT</b>		JOB PURPOSE CODE <b>Cement Production Casing</b>		
LEASE NAME <b>SERU</b>	Well No. <b>9-3</b>	SEC / TWP / RNG <b>3 - 33S - 40W</b>		FMS FACILITY (CLOSEST TO WELL S) <b>LIBERAL, KS</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
Evans, J 212723	6						
Arnett, J 226567	6						
Oliphant, C 243055	6						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	2030							JOB READY
	1630							CALLED OUT FOR JOB
	1800							PRE-TRIP SAFETY MEETING
	1930							PUMP TRUCK ON LOCATION/ JOB SITE ASSESMENT
	1945							RIG UP TRUCKS
								RIG PULLING DP
								LAY DOWN RAT & MOUSE
	2100							RIG UP CASING CREW
	2115							PRE-JOB SAFETY MEETING
	2130							START RUNNING CASING & FE (5 1/2)
	0045							CASING ON BOTTOM (5348 FT)
	0050							HOOK UP PC & CIRC IRON
	0000							CIRC WITH RIG PUMP
								HOOK UP TO PT
	0045	2.0	5.0					PLUG RAT & MOUSE
	0054				2500			TEST LINES
	0056	5.0	5.0		0-200			PUMP FRESH WATER SPACER
	0059	6.0	19.0		125			START MIXING LEAD CMT @10# (25 SKS 50/50 POZ PP)
	0103	6.0	20.0		75			START MIXING TAIL CMT @13.2# (70 SKS 50/50 POZ PP)
								THROUGH MIXING/ WASH PUMP & LINES
	0113	6.0						START DISP WITH CLA-FIX & CLA-STA
		6.0	90.0		0-300			DISP CAUGHT CMT ✓
	0134	2.0	116.0		375			SLOW RATE
	0138	2.0	126.0		1000			BUMP PLUG
								RELEASE FLOATS HELD
	0140				2000			PSI TEST CASING
								THANKS FOR CALLING HALLIBURTON
								JERRAKO & CREW

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# HALLIBURTON JOB SUMMARY

REGION <b>Central Operations</b>	INVA / COUNTRY <b>Mid Continent/USA</b>	SALES ORDER NUMBER <b>2481361</b>	TICKET DATE <b>06/03/03</b>
MBU / ID / EMPL # <b>MCL / IO104</b>	H.E.S. EMPLOYEE NAME <b>JOHN WOODROW</b>	BOA / STATE <b>MC/Ks</b>	COUNTY <b>MORTON</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>ANADARKO PETROLEUM CORPORA</b>	PSL DEPARTMENT <b>Cement</b>	<b>ORIGINAL</b>
TICKET AMOUNT <b>\$10,090.11</b>	WELL TYPE <b>01 Oil</b>	CUSTOMER REP / PHONE <b>KENNY PARKS</b>	
WELL LOCATION <b>ROLLA,KS.</b>	DEPARTMENT <b>CEMENT</b>	SAP BOMB NUMBER <b>7521</b>	Cement Surface Casing
LEASE NAME <b>SERU</b>	Well No. <b>9-3</b>	SEC / TWP / RNG <b>3 - 33S - 40W</b>	HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL,KS.</b>

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
Woodrow, J 105848	4.0	Berman, E 467604	4.0
Arnett, J 226567	4.0	Kelly, C 259395	4.0

HES. UNIT #S / (R / T MILES)	R / T MILES	HES. UNIT #S / (R / T MILES)	R / T MILES
10415641	100	54029 / 10011591	20
54219 / 78299	100	10010748 / 10256731	20

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

Date	Called Out	On Location	Job Started	Job Completed
	6/3/2003	6/3/2003	6/3/2003	6/3/2003
Time	1400	1730	1908	2030

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar INSERT 8 5/8	1	H
Float Shoe		
Centralizers REG 8 5/8	4	A
Top Plug 5-W 8 5/8	1	
HEAD Q/L	1	L
Limit clamp		
Weld-A		C
Guide Shoe REG 8 5/8	1	
BASKET 8 5/8	1	O

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New/Used	24.0	8 5/8		KB	1,494	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4				Shots/Ft.
Perforations							
Perforations							
Perforations							

**Materials**

Mud Type _____	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	
6/3	4.0	6/3	2.0	Cement Surface Casing
Total	4.0	Total	2.0	

Ordered _____	Hydraulic Horsepower Avail. _____	Used _____
Treating _____	Average Rates in BPM Disp. _____	Overall _____
Feet 44	Cement Left in Pipe Reason _____	SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	420	MIDCON C		3% CC - 1/2# FLOCELE - .1% FWCA	17.98	2.94	11.40
2	125	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

**Summary**

Circulating Breakdown _____	Displacement _____	Preflush: BBI _____	Type: _____
Lost Returns- _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Pad:Bbl-Gal _____
Cmt Rtrn#Bbl 40	Lost Returns- _____	Excess /Return BBI _____	Calc. Disp Bbl 92.2
Average _____	Actual TOC _____	Calc. TOC: _____	Actual Disp. _____
Shut In: Instant _____	Frac. Gradient _____	Treatment: Gal - BBI _____	Disp:Bbl _____
	5 Min. _____ 15 Min _____	Cement Slurry BBI _____	
		Total Volume BBI _____	
			250.0
			343.00

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

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_

SIGNATURE \_\_\_\_\_



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 JUL 28 2003  
 KCC WICOMITA

ORIGINAL

<b>HALLIBURTON JOB LOG</b>				TICKET # 2481361	TICKET DATE 06/03/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY MORTON		
MBU ID / EMPL # MCL / IO104	H.E.S EMPLOYEE NAME JOHN WOODROW	PSL DEPARTMENT Cement			
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPO	CUSTOMER REP / PHONE KENNY PARKS	806-679-0164		
TICKET AMOUNT \$10,090.11	WELL TYPE 01 Oil	APUWT #			
WELL LOCATION ROLLA,KS.	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Surface Casing			
LEASE NAME SERU	Well No. 9-3	SEC / TWP / RNG 3 - 33S - 40W	RES FACILITY (CLOSEST TO WELL S) LIBERAL,KS.		

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
Woodrow, J 105848	4	Berman, E 467604	4				
Arnett, J 226567	4	Kelly, C 259395	4				

Chart No.	Time	Rate (BPM)	volume (BBL/GAL)	Rate			Job Description / Remarks
				N2	CSG.	Tbg	
	1800						JOB READY
	1400						CALLED OUT FOR JOB
	1700						PUMP TRUCK & BULK CMT. ON LOCATION
	1715						PRE JOB SITE ASSESMENT / SPOT EQUIP. / RIG UP
	1730						HOLD PRE JOB SAFETY MEETING
	1745						START RUNNING 8 5/8 CASING & FLOAT EQUIP.
	1835						CASING ON BOTTOM ( 1494 FT. )
	1840						HOOK UP 8 5/8 P/C & CIRCULATING IRON
	1845						START CIRCULATING WITH RIG PUMP
	1900						THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
							( JOB PROCEDURE )
	1908				1000		TEST PUMP & LINES
	1910	6.0	220.0		145		START MIXING 420 SKS LEAD CMT. @ 11.4#/GAL
	1955	6.0	30.0		100-150		START MIXING 126 SKS TAIL CMT. @ 14.8#/GAL
							THROUGH MIXING CMT. / SHUT DOWN
	2007	6.0			100		RELEASE PLUG / START DISPLACING
	2016		50.0				HAVE 50 BBLs. OUT / HAVE CMT. RETURNS TO SURFACE
	2023	2.0	80.0		375-300		HAVE 80 BBLs. OUT / SLOW RATE TO 2 BPM
	2030				400		MAX LIFT PRESSURE BEFORE LANDING PLUG
	2030				800		PLUG DOWN / RELEASE FLOAT
							FLOAT HELD
							CIRCULATED 40 BLS. TO SURFACE ✓
							THANK YOU FOR CALLING HALLIBURTON !!!!
							( WOODY & CREW )

