

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

API NO. 15- 093216380000

County Kearny

NW - NW - NW - Sec. 19 Twp. 21S Rge. 38 <sup>E</sup> <sub>W</sub>

Operator: License # 32059 **CONFIDENTIAL**

4790 Feet from Q/N (circle one) Line of Section

Name: GULF PRODUCTION CORP

330 Feet from E/Q (circle one) Line of Section

Address 9701 N. Broadway Ext.

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

City/State/Zip Oklahoma City, Oklahoma 73114

Lease Name Maune Well # 4-19

Purchaser: N/A

Field Name Wildcat

Operator Contact Person: Patrick E. McGraw

Producing Formation Dry

Phone (405) 840-3381

Elevation: Ground 3420 KB 3429

Contractor: Name: Murfin Drilling Co.

Total Depth 5400 PBDT N/A

License: 30606

Amount of Surface Pipe Set and Cemented at 372 Feet

Wellsite Geologist: Jeffry Stafford

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
 New Well  Re-Entry  Workover

If yes, show depth set \_\_\_\_\_ Feet

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover:

Drilling Fluid Management Plan DATA, 5-19-99 U.C.  
(Data must be collected from the Reserve Pit)

Operator: APR 28 1999

Chloride content 29,000 \* ppm Fluid volume 400 bbls

Well Name: **CONFIDENTIAL**

Dewatering method used Evaporation

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite: \*Sample tested was thick mud. Pit 95% dehydrated.

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

Operator Name Same as Above

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

3-31-99 4-8-99 N/A  
Spud Date Date Reached TD Completion Date

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 Patrick E. McGraw

Title Field Supervisor Date 4-29-99

Subscribed and sworn to before me this 29th day of April 19 99.

Notary Public Kay Dagg

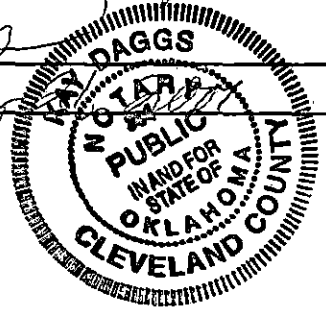
Date Commission Expires July

**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  Plus  Other  
**RELEASED** (Specify)

APR 28 2000



RECEIVED  
STATE CORPORATION COMMISSION

MAY 03 1999  
CONSERVATION DIVISION  
Wichita Kansas

5-3-99

Form ACO-1 (7-91)

FROM CONFIDENTIAL

Operator Name GULF PRODUCTION CORP. Lease Name Maine Well # 4-19

Sec. 19 Twp. 21S Rge. 38  East  
 West County Kearny

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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Base of Stone Corral	2325	-1104
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Chase	2713	- 715
List All E.Logs Run: <i>MicroLog, Spectral</i>		Heebner Shale	3985	- 555
<i>Dens. Dual Spaced Neutron, Long</i>		Lansing	4046	617
<i>Spaced Sonic, High Resolution Ind.</i>		Kansas City	4260	831
		Morrow Shale	4990	1561
		Mississippi	5232	1803

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#	372	Mid-Con & Premium	70 & 120	3%CC & 1/4#/sk Celloflake

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				

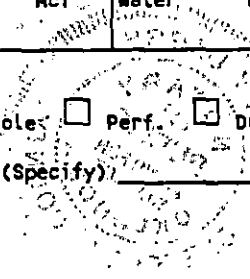
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method <input 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	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.  Conningled

Production Interval:  Other (Specify) \_\_\_\_\_





Halliburton Energy Services, Inc.

GULF PRODUCTION CORPORATION  
9701 N BROADWAY EXTENSION  
OKLAHOMA CITY OK 73114  
USA

WELL OPERATOR  
GULF PROD. MAUNE #4-19, KEARNEY  
LEASE NAME / OFFSHORE AREA  
MAUNE  
WELL NUMBER  
#4-19  
WELL PERMIT NO.  
SEC19-21S-38W  
ADDRESS  
\*  
CITY, STATE, ZIP CODE  
KENDALL KS 67857 US

CONFIDENTIAL

TICKET TYPE	COMPANY CODE	HALLIBURTON ORDER NO.
Services	1100	50046
CUSTOMER P.O. NO.	JOB DATE	PRIMARY SERVICE LOC.
N/A	04/08/1999	Liberal, KS, USA

SALES OFFICE	WELL TYPE	WELL CATEGORY	RIG NAME / NO.
Mid-Continent BD	Oil	Development	GULF PRODUCTION CORPORATION

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
10	7528	PSL-CMT Plug to Abandon-BOM	1.00	JOB		\$0.00
		Liberal, KS, USA				
		JP115				
20	1	MILEAGE FROM NEAREST HES BASE,/UNIT,ZI				
		Liberal, KS, USA		150 MI	\$ 3.65	\$547.50
		Liberal, KS, USA		150 MI	\$ 1.64	\$246.38
		Liberal, KS, USA		150 MI	\$ 2.01	\$301.12
		000-117				
		With the following configuration:				
		Number of Units		1 unit		
30	2	MILEAGE FOR CEMENTING CREW,ZI				
		Liberal, KS, USA		150 MI	\$ 2.15	\$322.50
		Liberal, KS, USA		150 MI	\$ 0.97	\$145.13
		Liberal, KS, USA		150 MI	\$ 1.18	\$177.37
		000-119				
		With the following configuration:				
		Number of Units		1 unit		

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STATE CORPORATION COMMISSION

MAR 13 1999

REGISTRATION DIVISION  
Wichita Kansas

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

INVOICE INSTRUCTIONS	
PAYMENT TERMS Net due in 20 days	
HALLIBURTON OPERATOR / ENGINEER	HALLIBURTON APPROVAL

TOTAL FROM THIS PAGE	\$478.49
TOTAL FROM NEXT PAGE(S)	\$3,060.99
SUBTOTAL	\$3,539.48
TAXES	\$232.76
GRAND TOTAL	\$3,772.24

FROM CONFIDENTIAL  
APR 28 2000  
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Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
40	19	PLUGGING BACK/SPOTTING CMT/MUD,0-4HRS ZI				
	Liberal, KS, USA		1.00	UN	\$ 1,929.00	\$1,929.00
	Liberal, KS, USA		1.00	UN	\$ 868.05-	\$868.05-
	Liberal, KS, USA		1.00	UN	\$ 1,060.95	\$1,060.95
		009-019				
	With the following configuration:					
	CHARGE BY FT OR RANGE OF FEET	2,100 ft				
50	7	ENVIRONMENTAL SURCHARGE,/JOB,ZI				
	Liberal, KS, USA		1.00	JOB	\$ 55.00	\$55.00
		000-150				
60	12302	SBM 40-60 POZ ( PREMIUM )				
	Hugoton, KS, USA		205.00	SK	\$ 10.68	\$2,189.40
	Hugoton, KS, USA		205.00	SK	\$ 4.81-	\$985.23-
	Hugoton, KS, USA		205.00	SK	\$ 5.87	\$1,204.17
		504-131				
100	100003682	CHEM,BENTONITE,HALL GELBULK				
	Hugoton, KS, USA		7.00	SK	\$ 22.90	\$160.30
	Hugoton, KS, USA		7.00	SK	\$ 10.31-	\$72.14-
	Hugoton, KS, USA		7.00	SK	\$ 12.59	\$88.16
		XXXXXXX 516.00259				
		CHEMICAL - BENTONITE - HALLIBURTON GEL BULK				
110	3965	HANDLE&DUMP SVC CHR, CMT&ADDITIVES,ZI				
	Hugoton, KS, USA		227.00	CF	\$ 1.66	\$376.82
	Hugoton, KS, USA		227.00	CF	\$ 0.75-	\$169.57-
	Hugoton, KS, USA		227.00	CF	\$ 0.91	\$207.25
		500-207				
	With the following configuration:					
	NUMBER OF CUBIC FEET	227 each				
120	3975	MILEAGE,CMTG MTLs DEL/RETURNED,ZI				
	Hugoton, KS, USA		561.0	TMI	\$ 1.25	\$701.25
	Hugoton, KS, USA		561.0	TMI	\$ 0.56-	\$315.56-
	Hugoton, KS, USA		561.0	TMI	\$ 0.69	\$385.69

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CORPORATION COMMISSION

\$ 4.81-

\$ 5.87

MAY 03 1999

CORPORATION DIVISION  
Wichita Kansas

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APR 28 2000

FROM CONFIDENTIAL

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Halliburton Energy Services, Inc.

HALLIBURTON ORDER NO: 50046 Cont. GULF PRODUCTION

ORIGINAL

Page 3 of 3

CONFIDENTIAL

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
		500-306				
130	100005049	FLOCELE- 3/8 - 25# SACK				
	Hugoton, KS, USA		52.00	LB	\$ 2.09	\$108.68
	Hugoton, KS, USA		52.00	LB	\$ 0.94	\$48.91
	Hugoton, KS, USA		52.00	LB	\$ 1.15	\$59.77
		XXXXXXXX 890.50071				
		FLOCELE - 3/8 - 25 LB SACK				
140	132	PORTABLE DAS,/DAY/JOB,ZI				
	Liberal, KS, USA		1.00	JOB		\$0.00
	With the following configuration:					
	NUMBER OF DAYS		1	Days		
					KCC	
					APR 28 1999	
		INVOICE AMOUNT			CONFIDENTIAL	\$3,539.48
		Sales Tax - State				173.45
		Sales Tax - County				23.92
		Sales Tax - City/Loc				35.39
		INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$3,772.24

FROM CONFIDENTIAL  
APR 28 2000  
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STATE OF KANSAS CONSERVATION DIVISION

MAY 03 1999

CONSERVATION DIVISION  
Wichita, Kansas

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HALLIBURTON

Work Order Contract

ORIGINAL

Halliburton Energy Services, Inc. Houston Texas 77056

Order Number

50096

70012 SAP

CONFIDENTIAL

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 BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. 4-19	Farm or Lease Maize	County Kearney	State KS	Well Permit # APR 28 1999
Customer Gulf Production		Well Owner Same	Job Purpose 115	

CONFIDENTIAL

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 trespass 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 unseaworthiness 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/their 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 policy(s). 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 affect 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. 77020-1030

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: [Signature] DATE: 3-9-97 TIME: 2:00 P.M. A.M./P.M. CUSTOMER Authorized Signatory

Customer Acceptance of Materials and Services

RELEASED

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER [Signature] APR 28 2000 CUSTOMER Authorized Signatory

White-Office Canary-Field Office Pink-Customer Green-Metal FROM CONFIDENTIAL

TICKET #	50046	TICKET DATE	4-9-99
REGION	North America	BDA / STATE	KS
NWA/COUNTRY	Mid Continent	COUNTY	Leary
MBU ID / EMP #	MKT0101 106322	PSL DEPARTMENT	CI
LOCATION	W. Kendall KS	CUSTOMER REP / PHONE	
TICKET AMOUNT		API / UWI #	
WELL LOCATION	W. Kendall	DEPARTMENT	CONFIDENTIAL
LEASE / WELL #	Maune 4-19	JOB PURPOSE CODE	115
SEC / TWP / RNG	19 21S 38W		KCC

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
D. McNamee 106322							
S. Tate 105753							
S. Owens 106125							
							APR 28 1999
							CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420775	60						
34038-77941	60						
33336-77301	60						

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.
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		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	4-7-99	4-9-99	4-9-99	4-9-99
TIME	3600	1020	1055	1345

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.	u	16.6	4 1/2	2075	KR	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

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

**HYDRAULIC HORSEPOWER**

ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

**AVERAGE RATES IN BPM**

TREATED \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_

**CEMENT LEFT IN PIPE**

FEET \_\_\_\_\_ Reason \_\_\_\_\_

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	RELEASED	YIELD	LBS/GAL
	205	40/60 2oz P	IS	87% Cel 14% Stacc		1.33	13.5
RECEIVED APR 28 2000							
STATE COMMISSION							
MAY 11 1999 FROM CONFIDENTIAL							

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	
		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 # 50046 TICKET DATE 4-9-99  
 BDA / STATE KS COUNTY Kansas  
 PSL DEPARTMENT ZT  
 CUSTOMER REP / PHONE ORIGINAL  
 API / UWI #  
 JOB PURPOSE CODE 115

REGION North America  
 MW/COUNTRY M/T  
 EMPLOYEE NAME  
 COMPANY  
 WELL TYPE  
 DEPARTMENT ZT CONFIDENTIAL  
 SEC / TWP / RNG 19  
 HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS  
 0195/ave 106322  
 501/1 106953  
 501/ave 106125

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psl)	JOB DESCRIPTION / REMARKS
				T	C		
	1000						
	1024						Job ready on location hold safety meeting
	1030						sig running in D.P. Set up pump truck
	1050						D.P. on bottom of Circulate hole Hookup to pump truck
	1055						Job Procedure See plug & 2095
	1100	4.5	1.0	✓		9/200	Pressure lost 1 hrs
	1102	4.5	13.6	✓		0/175	Start H2O
	1105	4.5	3.5	✓		175	Start Cement @ 135 #
	1106	4.5	22.7	✓		174/100	Start H2O
	1112			✓		100%	Start mud
	1114						Shut down & knock hose
							D.P. Pulled drug
	1147	4.5	15	✓		9/150	Plug @ 1188'
	1151	4.5	10	✓		150	Load hole with mud
	1153	4.5	21.8	✓		150	Start H2O
	1157	4.5	3.5	✓		150	Start Cement @ 135 #
	1158	4.5	7.7	✓		154/50	Start H2O
	1200						Start mud
	1207						Shut down & knock hose
							D.P. Pulled Drug
	1230	4.5	20	✓		9/15	Plug @ 375'
	1234	4.5	10.8	✓		75	Load hole with H2O
	1237	4.5	2.5	✓		75	Start Cement @ 135 #
	1238			✓		70	Start H2O
	1239						Shut down & knock hose
							Pull DP to 33' & was dry
	1335	1	2.7	✓		0	Plug @ 33'
	1340	1	4	✓		0	Load hole with H2O
	1345	1	8.7	✓		0	Start Cement
							Shut down
							Plug back hole
							Plug chase hole
							RELEASED
							APR 20 2000
							Thank you Joe Collins Halliburton

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 STATE OPERATOR DIVISION  
 MAY 03 1999  
 CONSERVATION DIVISION  
 Wichita Kansas

FROM CONFIDENTIAL



ORIGINAL



HALLIBURTON

Work Order Contract

KCC

CONFIDENTIAL

Halliburton Energy Services, Inc. Houston Texas 77056

Order Number

46702

70012 SAP

APR 28 1999

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 BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. 419	Farm or Lease <i>MAINE</i>	County <i>KEASY</i>	State <i>TX</i>	Well Permit # <i>KCC</i>
Customer <i>Gulf Production Co</i>	Well Owner <i>Gulf Production Co</i>	Job Purpose <i>28 1999</i>		

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

CONFIDENTIAL

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 trespass 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 unseaworthiness 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/their 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 policy(s). 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 affect 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: *[Signature]* DATE: 3-31-99 TIME: 15:00 A.M./P.M.

CUSTOMER Authorized Signatory

RECEIVED

Customer Acceptance of Materials and Services

RELEASED

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

APR 28 2000

*[Signature]*  
CUSTOMER Authorized Signatory

White-Office

Canary-Field Office

Pink-Customer

Green-Retain

FROM CONFIDENTIAL



# CONFIDENTIAL

**JOB SUMMARY** 4239-1

TICKET # **46707** TICKET DATE **3-31-99**

REGION **North America** NWA/COUNTRY **CENTRAL** BDA / STATE **KANSAS** COUNTY **KEARNY**

MBU ID / EMP # **CPA 8109 106250** EMPLOYEE NAME **DAVID BARROW** PSL DEPARTMENT **5001**

LOCATION **Pampa** COMPANY **Cult Prod.** CUSTOMER REP / PHONE

TICKET AMOUNT **3936.55** WELL TYPE **02** API / UWI # **15-09321638 0006**

WELL LOCATION **West of Lakin** DEPARTMENT **21** JOB PURPOSE CODE **010-85/8**

LEASE / WELL # **MAUNE 4-19** SEC / TWP / RNG **19-215-38W**

## 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
<del>421327</del> 106250 4			
BARROW 106250 4			
TATE 105553 4			
FERGUSON 106154 4			

APR 28 1999

CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421327	400						
52552-77441	300						
52823-6610	250						

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
	3-31-99	3-31-99	3-31-99	3-31-99
TIME	10:00	14:30	17:15	18:30

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar JPU	1	Howco
Float Shoe		
Guide Shoe	1	"
Centralizers	3	"
Bottom Plug		
Top Plug		
Head		
Packer FASBAP	1	"
Other WELD A	1	"

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23	8 5/8	100	371	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	100	572	SHOTS/FT.
Perforations						
Perforations						
Perforations						

APR 28 2000

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**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	
3-31	4	3-31	1	8 5/8 SURFACE
<b>TOTAL</b>	<b>4</b>	<b>TOTAL</b>	<b>1</b>	

**HYDRAULIC HORSEPOWER**

ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

TREATED \_\_\_\_\_ **AVERAGE RATES IN BPM** \_\_\_\_\_

FEET **40 FT** **CEMENT LEFT IN PIPE** **Shot JT** Overall \_\_\_\_\_

Reason \_\_\_\_\_

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	70	MIDCON PP	B	2% CC 14 #/sk Floc.	2.89	11.4
1	120	WELM Plus	B	" "	1.34	14.8

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MAY 15 1999

CONSERVATION DIVISION  
Wichita Kansas

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 \_\_\_\_\_ 65 \_\_\_\_\_

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 \_\_\_\_\_

TICKET #	446707
TICKET DATE	3-31-99
REGION	North America
NW/COUNTRY	Central
BDA/STATE	KANSAS
COUNTY	Leawards
EMPLOYEE NAME	David B. ...
PSL DEPARTMENT	5001
CUSTOMER REF / PHONE	15-093 21638 00 00
API / UWI #	010-8578
DEPARTMENT	21
WELL TYPE	02
COMPANY	Gulf Prod.
LOCATION	Leawards
TICKET AMOUNT	3936.55
WELL LOCATION	Leawards
LEASE / WELL #	Leawards

HESS EMP NAME/EMP#/EXPOSURE HOURS	HESS EMP NAME/EMP#/EXPOSURE HOURS	HESS EMP NAME/EMP#/EXPOSURE HOURS	HESS EMP NAME/EMP#/EXPOSURE HOURS	HESS EMP NAME/EMP#/EXPOSURE HOURS	HESS EMP NAME/EMP#/EXPOSURE HOURS
BRADY 106250 4	19-215-380	19-215-380	19-215-380	19-215-380	19-215-380
TRIN 105553 4					
EMERSON 106154 4					

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS	T	C	Tb9	Csg	JOB DESCRIPTION / REMARKS
-----------	------	------------	------------------	-------	---	---	-----	-----	---------------------------

1800									Call
1730									D. Location
1515									START CASING TO HOLE
1450									Fig up HOLE
1700									LYPHALITE ON BOT.
1710									SOFT LIFTING
1720									TEST WELLS
1725	4	36	50						START CMT LEGG AT 11.4
1717	4	29	50						" " LEG AT 14.8
1719	3	10	60						WOOD PINE
1719	3	10	60						WOOD PINE
1719	3	10	60						WOOD PINE
1805	1	6	350						Plug down - FLINT HOLOG

Thanks for calling Halliburton

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 STATE OPERATIONS DIVISION  
 MAY 03 1999  
 RELEASED  
 APR 28 2000  
 CONFESSIONAL DIVISION  
 FROM CONFIDENTIAL



Halliburton Energy Services, Inc.

SOLD TO

SHIP TO

GULF PRODUCTION CORPORATION  
 9701 N BROADWAY EXTENSION  
 OKLAHOMA CITY OK 73114  
 USA

WELL OPERATOR  
 GULF PROD. MAUNE #4-19, KEARNEY  
 LEASE NAME / OFFSHORE AREA  
 MAUNE  
 WELL NUMBER  
 #4-19  
 WELL PERMIT NO.  
 SEC19-21S-38W  
 ADDRESS  
 \*  
 CITY, STATE, ZIP CODE  
 KENDALL KS 67857 US

ORIGINAL

TICKET TYPE	COMPANY CODE	HALLIBURTON ORDER NO.
Services	1100	46707
CUSTOMER P.O. NO.	JOB DATE	PRIMARY SERVICE LOC.
N/A	03/31/1999	Liberal, KS, USA

CONFIDENTIAL APR 28 1999  
 CONFIDENTIAL

SALES OFFICE	WELL TYPE	WELL CATEGORY	RIG NAME / NO.
Mid-Continent BD	Oil	Development	GULF PRODUCTION CORPORATION

QTY	UNIT	DESCRIPTION	LOCATION	UNIT PRICE	AMOUNT
10		PSL-CMT Cement Surface Casing-BOM	Liberal, KS, USA		
	1.00	JP010			
					STATE CONSERVATION COMMISSION
					MAY 03 1999
20		MILEAGE FROM NEAREST HES BASE, /UNIT, ZI	Liberal, KS, USA		
	60		Liberal, KS, USA	\$ 3.65	\$219.00
	60		Liberal, KS, USA	\$ 1.75-	\$105.12-
	60		Liberal, KS, USA	\$ 1.90	\$113.88
		000-117			
		With the following configuration:			
		Number of Units			1 unit
30		MILEAGE FOR CEMENTING CREW, ZI	Liberal, KS, USA		
	60		Liberal, KS, USA	\$ 2.15	\$129.00
	60		Liberal, KS, USA	\$ 1.03-	\$61.92-
	60		Liberal, KS, USA	\$ 1.12	\$67.08
		000-119			
		With the following configuration:			
		Number of Units			1 unit

CONSERVATION DIVISION  
 Wichita, Kansas

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

*[Signature]*

FROM CONFIDENTIAL  
 APR 28 2000  
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INVOICE INSTRUCTIONS	
PAYMENT TERMS	Net due in 20 days
HALLIBURTON OPERATOR / ENGINEER	HALLIBURTON APPROVAL

TOTAL FROM THIS PAGE	\$180.96
TOTAL FROM NEXT PAGE(S)	\$3,583.16
SUBTOTAL	\$3,764.12
TAXES	\$172.43
GRAND TOTAL	\$3,936.55

ORIGINAL



CONFIDENTIAL

Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
40	11	CSG PUMPING,0-4 HRS,ZI				
	Liberal, KS, USA		1.00	UN	\$ 1,630.00	\$1,630.00
	Liberal, KS, USA		1.00	UN	\$ 896.50-	\$896.50-
	Liberal, KS, USA		1.00	UN	\$ 733.50	\$733.50
		001-016				
	With the following configuration:					
	CHARGE BY FT OR RANGE OF FEET		350	ft		
50	114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1.00	JOB		\$0.00
	Liberal, KS, USA					
	With the following configuration:					
	NUMBER OF EACH		1	each		
60	132	PORTABLE DAS,/DAY/JOB,ZI	1.00	JOB		\$0.00
	Liberal, KS, USA					
	With the following configuration:					
	NUMBER OF DAYS		1	Days		
70	7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1.00	JOB	\$ 55.00	\$55.00
	Liberal, KS, USA					
		000-150				
80	15079	SBM MIDCON 2 PREMIUM PLUS	70.00	SK	\$ 18.48	\$1,293.60
	Hugoton, KS, USA		70.00	SK	\$ 8.87-	\$620.93-
	Hugoton, KS, USA		70.00	SK	\$ 9.61	\$672.67
		504-282				
	100005053	CALCIUM CHLORIDE,HI TST PELLETT,94-97%	4.00	SK	\$ 46.90	\$187.60
	Hugoton, KS, USA		4.00	SK	\$ 22.51-	\$90.05-
	Hugoton, KS, USA		4.00	SK	\$ 24.39	\$97.55
		XXXXXXXX 890.50812				
		CALCIUM CHLORIDE - HI TEST PELLETT -				
		94-97% CACL 2 - 80# BAG				

KCC

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MAY 03 1999

CONSERVATION DIVISION  
Wichita, Kansas

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APR 28 2000  
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Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
130	100005049	FLOCELE- 3/8 - 25# SACK				
	Hugoton, KS, USA		40.00	LB	\$ 2.09	\$83.60
	Hugoton, KS, USA		40.00	LB	\$ 1.00-	\$40.13-
	Hugoton, KS, USA		40.00	LB	\$ 1.09	\$43.47
	XXXXXXX 890.50071	FLOCELE - 3/8 - 25 LB SACK				
140	100012205	CEMENT,PREM PLUS,BULK				
	Hugoton, KS, USA		120.00	SK	\$ 15.69	\$1,882.80
	Hugoton, KS, USA		120.00	SK	\$ 7.53-	\$903.74-
	Hugoton, KS, USA		120.00	SK	\$ 8.16	\$979.06
		CEMENT,PREM PLUS,BULK				
150	3965	HANDLE&DUMP SVC CHRГ, CMT&ADDITIVES,ZI				
	Hugoton, KS, USA		201.00	CF	\$ 1.66	\$333.66
	Hugoton, KS, USA		201.00	CF	\$ 0.80-	\$160.16-
	Hugoton, KS, USA		201.00	CF	\$ 0.86	\$173.50
	500-207					
	With the following configuration:					
	NUMBER OF CUBIC FEET		1	each		
160	3975	MILEAGE,CMTG MTLs DEL/RETURNED,ZI				
	Hugoton, KS, USA		501.0	TMI	\$ 1.25	\$626.25
	Hugoton, KS, USA		501.0	TMI	\$ 0.60-	\$300.60-
	Hugoton, KS, USA		501.0	TMI	\$ 0.65	\$325.65
	500-306					
170	100004727	SHOE-GUIDE-8-5/8 8RD-CEMENT				
	Liberal, KS, USA		1.00	EA	\$ 238.00	\$238.00
	Liberal, KS, USA		1.00	EA	\$ 114.24-	\$114.24-
	Liberal, KS, USA		1.00	EA	\$ 123.76	\$123.76
	XXXXXXX 825.217	SHOE - GUIDE - 8-5/8 8RD				
180	100007940	CASTING-INSERT- 8-5/8 8RD & BT				
	Liberal, KS, USA		1.00	EA	\$ 339.53	\$339.53
	Liberal, KS, USA		1.00	EA	\$ 162.97-	\$162.97-
	Liberal, KS, USA		1.00	EA	\$ 176.56	\$176.56

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STATE CORPORATION COMMISSION

MAY 03 1999

CONSERVATION DIVISION

Wichita, Kansas

FROM CONFIDENTIAL

APR 28 2000

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Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
		XXXXXXXX 815.80350 FLOAT-IPV- 8-5/8 8RD & BUTTRESS - 24-36#/FT - 2-3/4 POPPET VALVE				
190	100004521	CTRZR ASSY,8 5/8 CSG X 12 1/4 H,HNGD				
	Liberal, KS, USA		3.00	EA	\$ 71.40	\$214.20
	Liberal, KS, USA		3.00	EA	\$ 34.27-	\$102.82-
	Liberal, KS, USA		3.00	EA	\$ 37.13	\$111.38
		XXXXXXXX 806.61048 CENTRALIZER ASSY - 8-5/8 CSG X 12-1/4 HOLE - HINGED - W/WELDED STANDARD BOWS				
200	100004642	CLP,LIM,8 5/8,FRICT,WTH DOGS				
	Liberal, KS, USA		1.00	EA	\$ 24.70	\$24.70
	Liberal, KS, USA		1.00	EA	\$ 11.86	\$11.86-
	Liberal, KS, USA		1.00	EA	\$ 12.84	\$12.84
		XXXXXXXX 806.72750 CLAMP - LIMIT - 8-5/8 - FRICTION - W/DOGS				
210	100005045	HALLIBURTON WELD-A KIT				
	Liberal, KS, USA		1.00	EA	\$ 18.43	\$18.43
	Liberal, KS, USA		1.00	EA	\$ 8.85-	\$8.85-
	Liberal, KS, USA		1.00	EA	\$ 9.58	\$9.58
		XXXXXXXX 890.10802 HALLIBURTON WELD-A KIT				
229	100009533	PLUG,CMTG,TOP AL,8 5/8 24-49# & 9 IN				
	Liberal, KS, USA		1.00	EA	\$ 132.00	\$132.00
	Liberal, KS, USA		1.00	EA	\$ 63.36-	\$63.36-
	Liberal, KS, USA		1.00	EA	\$ 68.64	\$68.64
		999 402.15282 PLUG - CMTG - TOP ALUM - 8-5/8 24-49# & 9 IN. 38-55#				

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Halliburton Energy Services, Inc.

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ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
	LOCATION					

INVOICE AMOUNT

Sales Tax - State

Sales Tax - County

Sales Tax - City/Loc

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

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\$3,764.12

136.92

7.54

27.97

\$3,936.55

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WELL NAME: Maune 4-19

LOCATION : 19-21-38

TICKET No. 11382 D.S.T. No. 1 DATE 4-7-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 18

TOTAL TOOL ..... 48

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 2 Total 63

TOTAL ASSEMBLY ..... 111

D.C. ABOVE TOOLS.Stands6 Single Total 558

D.P. ABOVE TOOLS.Stands47 Single 2 Total 4380

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5049

TOTAL DEPTH ..... 5046

TOTAL DRILL PIPE ABOVE K.B. .... 3

REMARKS:

Gas;

Oil;

Water;

Mud; 4,000 ml

Total; 4,000 ml

Pressure; 20 psi.

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P.O. SUB	
C.O. SUB 1'	4934
S.I. TOOL 5'	4940
sampler 3'	4943
HMV 5'	4948
JARS 5'	4953
SAFETY JOINT 2'	4955
PACKER top	4960
PACKER bottom	4965
DEPTH 4965	
STUBB 1'	4966
ANCHOR 10' perf	4976
1' c.o.	4977
alpine recorder	4977
63' drillpipe	5040
T.C. DEPTH	
1' c.o	5041
ak-1 recorder	5041
BULLNOSE 5' bullplug	5046
T.D.	5046

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Wichita, Kansas

OPERATOR : Gulf Prod Corp.  
WELL NAME: Maune 4-19  
LOCATION : 19-21-38  
INTERVAL : 4965.00 To 5046.00 ft

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DATE 4-7-99

KB 3430.00 ft  
GR 3420.00 ft  
TD 50460.00 ft

TICKET NO: 11382  
FORMATION: morrow  
TEST TYPE: CONV.  
DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA
PF 15	Rec.		2346			PF Fr. 1055 to 1110 hr
SI 30	Range(Psi)	4500.0	4995.0	0.0	0.0	IS Fr. 1110 to 1140 hr
SF 60	Clock(hrs)	12	alpin			SF Fr. 1140 to 1240 hr
FS 120	Depth(ft)	5041.0	4977.0	0.0	0.0	FS Fr. 1240 to 1440 hr

	Field	1	2	3	4
A. Init Hydro	0.0	0.0	2565.0	0.0	0.0
B. First Flow	0.0	0.0	31.0	0.0	0.0
B1. Final Flow	0.0	0.0	34.0	0.0	0.0
C. In Shut-in	0.0	0.0	53.0	0.0	0.0
D. Init Flow	0.0	0.0	32.0	0.0	0.0
E. Final Flow	0.0	0.0	35.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	56.0	0.0	0.0
G. Final Hydro	0.0	0.0	2408.0	0.0	0.0
Inside/Outside	i		o		

T STARTED 0825 hr  
T ON BOTM 1051 hr  
T OPEN 1055 hr  
T PULLED 1440 hr  
T OUT 1720 hr

TOOL DATA-----

Tool Wt.	5000.00	lbs
Wt Set On Packer	26000.00	lbs
Wt Pulled Loose	82000.00	lbs
Initial Str Wt	70000.00	lbs
Unseated Str Wt	70000.00	lbs
Bot Choke	0.75	in
Hole Size	7.88	in
D Col. ID	2.25	in
D. Pipe ID	3.50	in
D.C. Length	558.00	ft
D.P. Length	4443.00	ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP  
5.00 ft of drilg mud 100% mud  
0.00 ft of  
0.00 ft of  
0.00 ft of  
0.00 ft of  
0.00 ft of  
0.00 ft of  
0.00 ft of  
SALINITY 4000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	chem	
Weight	9.40	lb/cf
Vis.	54.00	S/L
W.L.	8.40	in <sup>3</sup>
F.C.	0.00	in
Mud Drop N		

BLOW DESCRIPTION

I.O.- Weak surface blow died in 10 min.

I.S.I.- No return

F.F.- No blow

F.S.I.- No return

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Amt. of fill	0.00	ft
Btm. H. Temp.	122.00	F
Hole Condition	good	
% Porosity	0.00	
Packer Size	6.75	in
No. of Packers	2	
Cushion Amt.	0.00	
Cushion Type		
Reversed Out N		
Tool Chased N		
Tester	Shane McBride	
Co. Rep.	Pat McGraw	
Contr.	Murfin	
Rig #	25	
Unit #		
Pump T.		

Test Successful: Y

SAMPLES:  
SENT TO:

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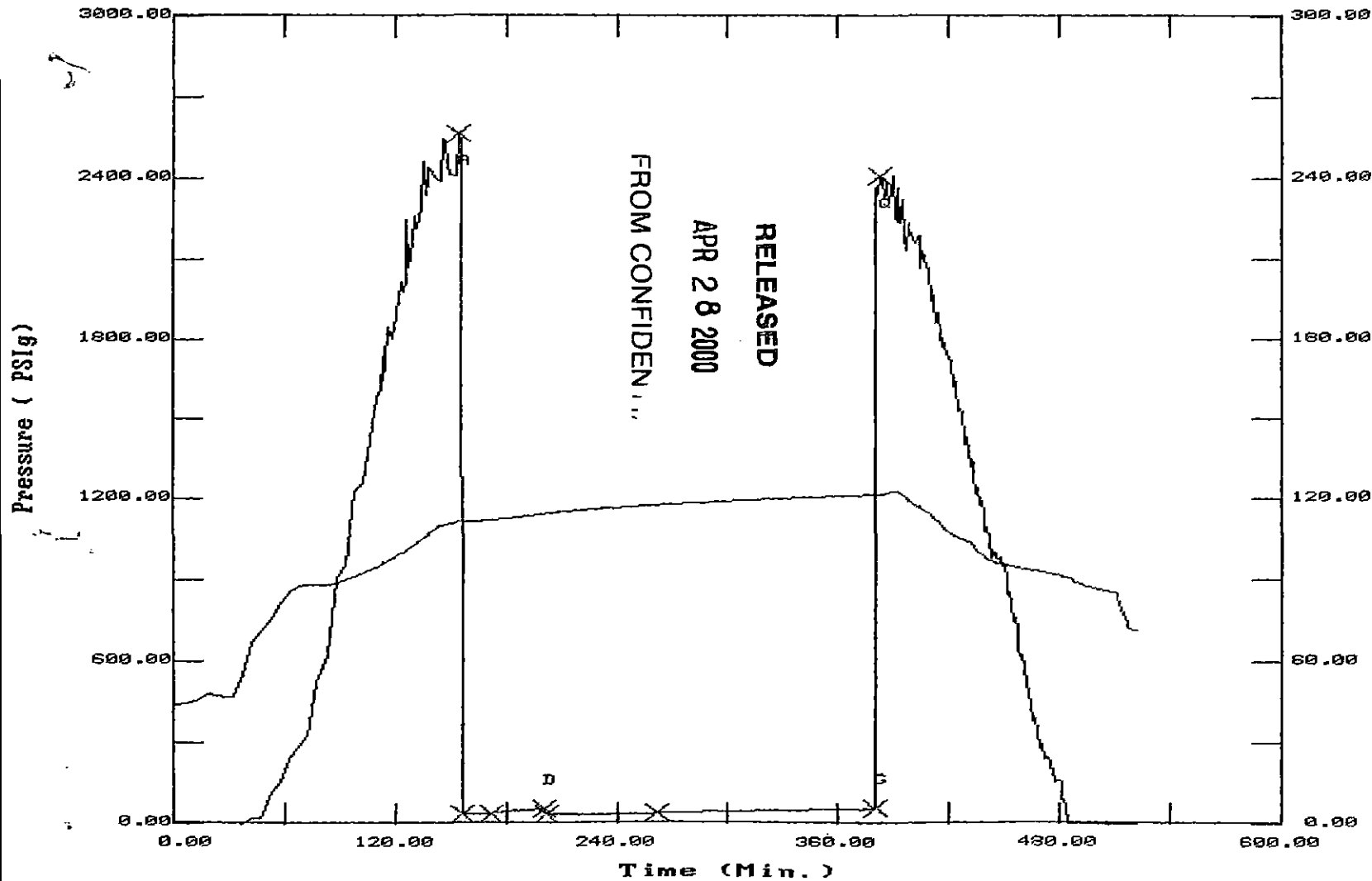
# TEST HISTORY

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Flag Points  
t (Min.) P (PSig)

11382 DST #1 Maune #4-19 Gulf Prod. Corp.

Flag	t (Min.)	P (PSig)
A	0.00	2565.75
B	0.00	31.93
C	15.00	34.31
D	29.00	53.26
E	0.00	92.85
F	50.00	35.59
G	119.00	56.46
Q	0.00	2408.86



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Temperature (DEG F)

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