

ORIGINAL


 REMIT TO:  
 P.O. BOX 951046  
 DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
630499	09/25/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ERGUSON 2		ADAMS		CO	SAME
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
RIGHTON, CO.	BANEY WELL SERVICE		SQUEEZE HOLE IN CASING		09/25/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
32750	ED INGVE			COMPANY TRUCK	14237

DIRECT CORRESPONDENCE TO:

 RENEGADE OIL AND GAS  
 P.O. BOX 440983  
 AURORA, CO 80044

 P O BOX 659  
 BRIGHTON CO 80601  
 303-825-4346

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	RICING AREA - WESTERN				
000-117	MILEAGE CEMENTING ROUND TRIP	40 MI		2.99	119.60
		1 UNT			
009-134	CEMENT SQUEEZE	2321 FT		2,095.00	2,095.00
009-019		1 UNT			
128-546	SQUEEZE MANIFOLD	1 DAY		275.00	275.00
		1 EA			
510-198	SAND 20/40 WHITE BULK			7.16	14.32
		200 LB	PER 100 LB		
504-043	CEMENT - PREMIUM	100 SK		10.43	1,043.00
509-406	ANHYDROUS CALCIUM CHLORIDE	2 SK		48.55	97.10
500-207	BULK SERVICE CHARGE	104 CFT		1.35	140.40
500-306	MILEAGE CMTG MAT DEL OR RETURN	191.00 TMI		1.05	200.55
INVOICE SUBTOTAL					3,984.97
DISCOUNT-(BID)					1,394.73-
INVOICE BID AMOUNT					2,590.24
*--COLORADO STATE SALES TAX					29.16
*--ADAMS COUNTY SALES TAX					4.87
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$2,624.27

TERMS: 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 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



## WELL DATA

FIELD \_\_\_\_\_ SEC. 25 TWP. 25 RNG. 6201 COUNTY ADAMS STATE CO

FORMATION NAME Fox Hills TYPE SAND  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE Backer SET AT 2500'  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH 7300'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>15.5</u>	<u>5 1/2</u>	<u>0</u>	<u>7300'</u>	<u>2000</u>
LINER						
TUBING	<u>U</u>	<u>6.5</u>	<u>2 1/8</u>	<u>0</u>	<u>2154</u>	<u>2000</u>
OPEN HOLE						SHOTS/FT.
PERFORATIONS					<u>232 ft hole</u>	
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9/25</u> TIME <u>0600</u>	DATE <u>9/25</u> TIME <u>0900</u>	DATE <u>9/25</u> TIME <u>1030</u>	DATE <u>9/25</u> TIME <u>1630</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B DENHAM</u> <u>47408 PLD</u>	<u>44020</u>	<u>SSA10</u>
<u>B WINDLER</u> <u>56535 TSTRA</u>	<u>50405/7612</u>	<u>SSA10</u>
<u>D SWEET</u> <u>84975 BULTR</u>	<u>53301</u>	<u>SSA10</u>

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER <u>SQUEEZE MAN</u>	<u>1</u>	<u>Hobas</u>

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
PROP. TYPE SAND SIZE 20/40 LB. 200\*  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT CmtDESCRIPTION OF JOB SQUEEZE Hole in CSGJOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TBG./ANN. ☐CUSTOMER REPRESENTATIVE XHALLIBURTON OPERATOR B DENHAM COPIES REQUESTED 1

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>100</u>	<u>Premium</u>		<u>B</u>	<u>2% CaCl<sub>2</sub></u>	<u>1.15</u>	<u>15.8</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING 400\* DISPLACEMENT 750\*  
BREAKDOWN \_\_\_\_\_ MAXIMUM 2000\*  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING 2 DISPL. 4 1/2 1/2 OVERALL 2  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET 100' REASON Request

PRESLUSH: BBL.-GAL. 5 TYPE tko  
LOAD & BKDN: BBL.-GAL. 87 PAD: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 50.5  
CEMENT SLURRY: BBL.-GAL. 21  
TOTAL VOLUME: BBL.-GAL. 163.5

## REMARKS





HALLIBURTON

DATE

9/24/96

PAGE NO.

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## JOB LOG HAL-2013-C

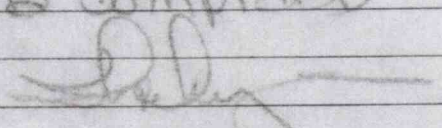
CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
ZEIFONIDE		#2		FERGUSON		SQUEEZE		630499	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0600							CALLED @ Home	
	0700							LEFT CAMP	
	0900							ON LOG w/ TRLS	
	0940							SAFETY MEETING	
	1020							HALLIBURTON - CUSTOMER READ FOR SERVICES	
	1023	3-3 1/2	16	1		200		LOAD TBG 3 TEST + TRIP	
	1028	1/2	1	1		2000		TEST BP	
	1032							RELEASE BACK TEST OK	
	1048	4	40	1	1		200	LOAD CSG w/ DASH Hdr	
	1058	1 1/2	5		1		1000	TEST CSG	
	1104							RELEASE BACK	
	1106							Hook BACK up to TBG	
	1109	1 1/2	1	1		2100	21	TEST TBG AGAIN	
	1112							RELEASE BACK TEST OK	
	1113							Pack 3 stand of TBG + SET PACKER	
	1126	2 1/2	12		1		1300	Pump on CSG to Break Down Hole in CSG	
	1135							Shift Down	
	1153	1/2	1	1		1500		Pump Down TBG	
	1155							RELEASE BACK TEST OK	
	1204	1 1/2	5	1	1	700		Pump Down CSG into Hole	
								UNSET PACKER	
	1210							Pump sand into TBG	
	1235	3	5	1		200		Pump Hdr to spot sand	
								TOOL w/ TBG + CHANGE	
								6" PACKER	
								TTH w/ PACKER	
								TRY to SET PACKER @ 2154'	

CUSTOMER





## JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.
RENEFON		*2		FREDERICK		SQUEEZE JOB		630499
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	14:05	2	5		1		300	Cur on CS6 + TBG TO TRY to move sand from Packer
	14:30							TOOK w/ Packer
	15:30							PACKER DAMAGED
	15:30							Rig up to DO BROWND HEAD SQUEEZE
	15:35	2 1/2	5		1		400	LOAD CS6 w/ H <sub>2</sub> O
	15:37	2-3	21		1		700	mix a pump out @ 15.8% gal
	15:44							shut down, clean lines to pit
	15:51	4	35		1		650	DISPLACE plug w/ PROD water
	16:00	2	10		1		700	DISPLACE plug w/ PROD H <sub>2</sub> O
	16:05	1/2	5.5		1		750	DISPLACE plug w/ PROD H <sub>2</sub> O
	16:12						780	shut down
	16:12							monitor psi
	16:15						690	psi
	16:18						640	psi
	16:20						630	psi
	16:22							shut in well,
	16:30							JOB COMPLETED
								 Becker