

JOB SUMMARY

HALLIBURTON DIVISION Danver
HALLIBURTON LOCATION Stirling, Co.

BILLED ON TICKET NO. 901836

CUSTOMER

WELL DATA

FIELD _____ SEC. 18 TWP. 7N RNG. 58W COUNTY Weld STATE CO

FORMATION NAME _____ TYPE _____

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 _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 6615

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>24</u>	<u>8 5/8</u>	<u>KB</u>	<u>228'</u>	
LINER						
TUBING	<u>DP</u>	<u>16.60</u>	<u>4 1/2</u>	<u>KB</u>	<u>6460</u>	
OPEN HOLE			<u>7 7/8</u>	<u>KB</u>	<u>6015</u>	SHOTS/FT.
PERFORATIONS	<u>Aug 1</u>	<u>40 SPS</u>	<u>6325</u>	<u>6460</u>	<u>DP in</u>	
PERFORATIONS	<u>2</u>	<u>20 SPS</u>	<u>173</u>	<u>240</u>	<u>DP in</u>	
PERFORATIONS	<u>3</u>	<u>10 SPS</u>	<u>46</u>	<u>- 10</u>		

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>DP PIN 4 1/2 X H</u>	<u>1</u>	<u>Huss</u>
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4/12</u>	DATE <u>4/12</u>	DATE <u>4/12</u>	DATE <u>4/13</u>
TIME <u>1700</u>	TIME <u>1930</u>	TIME <u>0100</u>	TIME <u>0300</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Jewelsied</u>	<u>644260</u>	<u>35683 Stirling Co</u>
<u>B. Miller</u>	<u>75-C3</u>	<u>16000 P</u>
<u>M. T. H. Fault</u>	<u>2523 BT</u>	<u>Brighton Co</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL.-API

DISPL. FLUID _____ DENSITY _____ LB/GAL.-API

PROP. TYPE _____ SIZE _____ LB.

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 Cont

DESCRIPTION OF JOB Play To Abandon

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TBG/ANN. ☐

CUSTOMER REPRESENTATIVE X James E. [Signature]

HALLIBURTON OPERATOR _____ COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>A</u>	<u>40</u>	<u>P. [Signature]</u>		<u>B</u>	<u>1.5% HP-5</u>	<u>1.06</u>	<u>15.6</u>
<u>B</u>	<u>20</u>	<u>P. [Signature]</u>		<u>B</u>		<u>1.06</u>	<u>15.6</u>
<u>C</u>	<u>10</u>	<u>P. [Signature]</u>		<u>B</u>		<u>1.06</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. 20 1/2

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 7470.82

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 13 total

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 55-10 REASON PTA

REMARKS

LEASE

WELL NO.

JOB TYPE

DATE

HALLIBURTON SERVICES

JOB LOG

WELL NO. 7 LEASE Nickerson

TICKET NO. 901636

CUSTOMER Energy Minerals

PAGE NO. 1

JOB TYPE PTA

DATE 4/12/90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							Called out
	1930							On (a)
1	2120	1-6	20					H2O Ahead
2		6	7.5					Mix Cement Aug 6060' to 6325'
3		6	7					H2O Behind
4		6-10	82					Wash Behind
5	2145							Plug Down
1B	0235	6	15					H2O Ahead
2B		6	4					Mix Cement Plug 2410' to 173'
3B	0245	—	2.5					H2O Behind Plug Down
	0300							Drop 10 SKS cement on ground for top of Surface - Bot Hole - mouse Hole
								Thayer Sub
								John Vedral
								St. Ann

CUSTOMER



FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 901636DISTRICT BighornDATE 4/12/90

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Energy Minerals (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICINGWELL NO. 7 LEASE Wickerson SEC. 18 TWP. 7N RANGE 58WFIELD _____ COUNTY Weld STATE CO OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD:	OIL BPD, H ₂ O BPD, GAS MCF						
PRESENT PROD:	OIL BPD, H ₂ O BPD, GAS MCF						
CASING		<u>u</u>		<u>8 7/8</u>	<u>K13</u>	<u>228</u>	
LINER							
TUBING		<u>DP</u>	<u>16.60</u>	<u>4 1/2</u>	<u>K13</u>	<u>6460'</u>	
OPEN HOLE				<u>7 7/8</u>	<u>K13</u>	<u>6615</u>	SHOTS/FT.
PERFORATIONS		<u>Plug 1</u>		<u>405K</u>	<u>6325</u>	<u>6460</u>	
PERFORATIONS		<u>Plug 2</u>		<u>305K</u>	<u>173</u>	<u>240</u>	
PERFORATIONS		<u>Plug 3</u>		<u>105K</u>	<u>66</u>	<u>-10</u>	

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED _____Plug To ABANDON well 405Ks Pressure well 5' HR 5 and 305Ks
Remain about 200'

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That 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 products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT
THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED _____

CUSTOMER

DATE _____

TIME _____

A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.