



October 14, 1975

DVR	
FJP	✓
HHM	✓
JAM	✓
JJD	✓
GCH	
CGM	

U. S. Geological Survey  
8426 Federal Building  
Salt Lake City, Utah 84138

Re: Federal #1-26  
SE NW Sec. 26-T9N-R91W  
Moffat County, Colorado

Gentlemen:

Enclosed is a set of the final prints of the logs run on the captioned well. Also enclosed for your file is a copy of the work order contract and job summary from Halliburton relative to the plugging of the well.

Yours very truly,

Secretary to Mr. Farmar

Enclosures

cc: Oil & Gas Conservation Commission w/encl.  
1845 Sherman Street  
Denver, Colorado 80203



# WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-2

A Division of Halliburton Company  
DUNCAN, OKLAHOMA 73533

ATTACH TO INVOICE & TICKET NO. 963569

DISTRICT Utah

DATE 7-30-75

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: C+N Pat. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE Fed SEC. 26 TWP. 9N RANGE 91W  
FIELD N. Craig COUNTY Moffat STATE Colo. OWNED BY C+N Pat.

### THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT \_\_\_\_\_  
BORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<del>24</del>	24	9 7/8	0	3000	
LINER						
TUBING		16.60	4 1/2	0	4500	
OPEN HOLE			8 1/2	3000	4700	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_

Plug To Abandon as Instructed

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
  - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
  - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
  - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
  - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
  - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
  - (g) 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.
  - (h) 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 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 responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
  - (i) 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.
  - (j) Upon Customer's default in the payment of Customer's account 60 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 per cent of the amount of the unpaid account.
  - (k) 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 [Signature] CUSTOMER

DATE 7-30-75

TIME 1700 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.

file

# HALLIBURTON SERVICES JOB SUMMARY

FORM 2012 R-1

DIVISION LAUREA, COLO.  
HALLIBURTON LOCATION LAUREA, COLO.

BILLED ON TICKET NO. 11519

### WELL DATA

FIELD N. HAIG SEC. 26 TWP. 9N RNG. 91W COUNTY McFARLAND STATE COLO.

FORMATION NAME	TYPE	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING			1 3/8	0	308	24	
LINER							
TUBING			4 1/2	0	4500	16.60	
OPEN HOLE			8 1/2	308	4700+		TOTAL DEPTH:
PERFORATIONS							SHOTS/FT.
PERFORATIONS							SHOTS/FT.
PERFORATIONS							SHOTS/FT.

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

### JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-30-75</u> TIME <u>1200</u>	DATE <u>9-30-75</u> TIME <u>1630</u>	DATE <u>9-30-75</u> TIME <u>1720</u>	DATE <u>9-30-75</u> TIME <u>1930</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>ML. Brewer</u>	<u>9579</u>	
<u>W. Hillstead</u>	<u>3896</u>	<u>Denver</u>
<u>L. Long</u>		
<u>T. Suttles</u>	<u>7913</u>	

### 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. 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 BEST IMAGE GAL.-LB. IN  
BLOCKING AGENT TYPE AVAILABLE GAL.-LB.  
PERFPAC BALLS TYPE QTY.  
OTHER  
OTHER

DEPARTMENT COMT  
DESCRIPTION OF JOB PTA  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE X Gay E. ...  
HALLIBURTON OPERATOR ML. Brewer COPIES REQUESTED

### CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	(BULK-SACKED)	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	60	Ng	G	Ideal		<u>N/A</u>	1.15	15.9
2	60	"	"	"			"	"
3	25	"	"	"			"	"
4	10	"	"	"			"	"

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING DISPLACEMENT  
BREAKDOWN MAXIMUM  
AVERAGE FRACTURE GRADIENT  
SHUT-IN: INSTANT 5-MIN. 15-MIN.  
ORDERED AVAILABLE USED  
TREATING DISPL. OVERALL  
FEET REASON

PREFLUSH: 8 BBI TYPE Water  
LOAD & BKDN: BBL.-GAL. PAD: BBL.-GAL.  
TREATMENT: BBL.-GAL. DISPL: BBL.-GAL. 114-344  
CEMENT SLURRY: 12.29-12.29-5.12  
TOTAL VOLUME: BBL.-GAL.

HYDRAULIC HORSEPOWER  
AVERAGE RATES IN BPM  
CEMENT LEFT IN PIPE  
REMARKS  
Plugs @ 4500'-2600' 325'

CUSTOMER

CUSTOMER  
LEASE  
WELL NO.  
JOB TYPE  
DATE