



FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							Called out On Loc.
	1630							
	1800							Howco + Cust. Ready
1	1800	6	20	1		500		Pre flush
2	1805	6	14.7	1		500		Mix Cut.
3	1810	6	6	1		400		Pad
4	1815	6	87	1		400		Mud Disp.
	1845							Wait to pull O.P.
5	0050	6	20	1		100		pre flush
6	0055	6	23	1		100		Mix Cut.
7	0100	6	2	1		100		Disp.
8	0120	6	5	1		50		Pre flush
9	0122	6	4	1		50		Mix Cut.
10	0125	6	.5	1		50		Disp.
	0130							Wash up
	0130							Job Complete (Trks. + Crew Release) THANK YOU

RECEIVED

DEC 20 1989

COLO. OIL & GAS CONS. COMM.

11-18-89

BEST IMAGE AVAILABLE

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO.

833983

DISTRICT Brighton

DATE 11-17-89

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Boswell Energy (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1-10 LEASE K+M Co. SEC. 10 TWP. 7N RANGE 67W

FIELD COUNTY Weld STATE Co. OWNED BY Boswell Energy

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, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

P.T.A w/ 1st: 70 SK standard w/ .27 HR-5 @ 6800' 2nd: 110 SK standard w/ .27 HR-5 @ 465' 3rd: 20 SK standard w/ .27 HR-5 @ 60'

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 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...

BEST IMAGE AVAILABLE

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 11-17-89

TIME 1720 A.M. P.M.

JOB SUMMARY

HALLIBURTON DIVISION Denver
 HALLIBURTON LOCATION Brighton

BILLED ON TICKET NO. 833983

WELL DATA

FIELD _____ SEC. 10 TWP. 7N RNG. 67W 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 _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING	<u>DP</u>	<u>16.6</u>	<u>4 1/2</u>	<u>0</u>	<u>6800</u>	<u>1000</u>
OPEN HOLE			<u>8 1/2</u>	<u>405</u>	<u>9000</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-17</u>	DATE <u>11-17</u>	DATE <u>11-18</u>	DATE <u>11-18</u>
TIME <u>1400</u>	TIME <u>1630</u>	TIME <u>1800</u>	TIME <u>0130</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Kypke</u>	<u>52486</u>	<u>Brighton</u>
<u>J. Craine</u>	<u>86467</u>	<u>Brighton</u>
<u>J. Morales</u>	<u>02485</u>	<u>Brighton</u>
	<u>35831</u>	
	<u>3813</u>	
	<u>7544</u>	
	<u>9330</u>	

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>1 3/4 x 11/16 P.O.</u>	<u>1</u>	<u>Hoss</u>
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 _____ GAL.-LB. _____ IN.

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT C.T.

DESCRIPTION OF JOB P.T.A.

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X J. Morrison

HALLIBURTON OPERATOR D. Kypke 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>70</u>	<u>Standard</u>	<u>B</u>	<u>2% HR-5</u>		<u>1.18</u>	<u>15.6</u>
<u>2</u>	<u>110</u>	<u>Standard</u>	<u>B</u>		<u>BEST IMAGE AVAILABLE</u>	<u>1.18</u>	<u>15.6</u>
<u>3</u>	<u>20</u>	<u>Standard</u>	<u>B</u>	<u>2% C.C.</u>		<u>1.18</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. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 1st: 2d: 3d:

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 1st: 2d: 3d:

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____

HYDRAULIC HORSEPOWER

REMARKS

ORDERED _____ AVAILABLE _____ USED _____

TREATING 6 DISPL. 6 OVERALL 6

CEMENT LEFT IN PIPE

FEET 1st: 243 2d: 379 3d: 60 REASON Balanced Plugs

cm. wght. by dens.

Cust. did Not order Retarder in 1st plug



CUSTOMER _____
 LEASE K-T-M Co.
 WELL NO. 1-10
 JOB TYPE P.T.A.
 DATE 11-17-89

