

HAL BURTON SERVICES JOB SUMMARY

HALLIBURTON
DIVISION

Wichita

HALLIBURTON
LOCATION

Lamar, Co.

BILLED ON
TICKET NO.

050364

FOR A 2012 R-2

FIELD Chayenne Wells SEC. 33 TWP. 13 RING. 44W COUNTY Chayenne

FORMATION NAME Spergent TYPE _____

FORMATION THICKNESS FROM _____ TO _____

INITIAL PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE Model "F" SET AT 5322

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

WELL DATA

	NEW USED	WEIGHT	SIZE	FROM
CASING	U	15.5	5 1/2	GL
LINER				
TUBING	U	6.5	2 7/8	GL 2950
OPEN HOLE				SHOTS/FT.
PERFORATIONS				
PERFORATIONS				
PERFORATIONS				



JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-17-82</u>	DATE <u>6-17</u>	DATE <u>6-17</u>	DATE <u>6-17</u>
TIME <u>05:00</u>	TIME <u>08:30</u>	TIME <u>09:40</u>	TIME <u>12:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR	<u>BEST IMAGE</u>	
FLOAT SHOE	<u>AVAILABLE</u>	
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>5-W 5 1/2</u>	<u>1 Howto</u>
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Schroeder</u>	<u>32526 Van</u>	<u>Lamar</u>
<u>J. LARRICK</u>	<u>8339 Combo.</u>	<u>"</u>
<u>K. Topliss</u>	<u>9317 3044 B.T.</u>	<u>"</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 Cmt.

DESCRIPTION OF JOB P.T.A. - 1st Plug - 150 SKS. "H" Cmt. AT 2950' Displace w/ 8 BBL. H₂O 2nd Plug - 10 SKS AT Top of Surface

JOB DONE THRU: TUBING CASING ANNULUS TSG./ANN.

CUSTOMER REPRESENTATIVE X Darryl Poggendorf

HALLIBURTON OPERATOR Robby Schwede COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>150</u>	<u>N</u>		<u>SW</u>	<u>B</u>		<u>1.18</u>	<u>15.6</u>
<u>2</u>	<u>10</u>	<u>H</u>		<u>SW</u>	<u>B</u>		<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. 5 OVERALL 1 1/2

CEMENT LEFT IN PIPE _____

FEET 1407 REASON Plug TO Abandon

VOLUMES

PRELUSH: BBL.-GAL. 25 TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 2

CEMENT SLURRY: BBL.-GAL. 33.5

TOTAL VOLUME: BBL.-GAL. 60.5

REMARKS Thanks for Calling Halliburton!
SEE JOB LOG.

CUSTOMER

CUSTOMER NO. 17000
WELL NO. A-2
JOB TYPE P.T.A.
DATE 6-17-82

HALLIBURTON SERVICES
JOB LOG

WELL NO. A-2 LEASE Champion 124 Amoco A-2 TICKET NO. 050304
 CUS. MER Amoco PAGE NO. 1
 JOB TYPE Plug to Abandon DATE 6-17-82

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	05:00							Called Out Requested on loc. ON loc.
	09:00							
	08:30							
								1 st Plug (150 SKS AT 2950')
1	09:40	5	25	/	/	0	0	Pump 25 BBL H ₂ O ahead Cmt.
2	09:48							start Cmt.
3	09:55	4	31	/	/	0	0	Finished Cmt.
4	09:58	5	8	/	/	0	0	Finished Displacement
								RIG Pulling TBG.
								2 nd Plug (10 SKS. AT Top of Section)
	12:25							start Cmt.
	12:30	1	2			0	0	Finished Cmt
								Thanks for the Job!

CUSTOMER



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-3

A Division of Halliburton Company DUNCAN, OKLAHOMA 73530

ATTACH TO INVOICE & TICKET NO. 050364

DISTRICT Liberal

DATE 6-17-82

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Amoco Production Co.

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

WELL NO. A-2 LEASE Champlin 124; Amoco A-2 SEC. 33 TWP. 13 RANGE 44 W

FIELD Champlin Wells COUNTY Cheyenne STATE CO OWNED BY

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME Spargen TYPE
FORMATION THICKNESS FROM TO
PACKER: TYPE Model "F" SET AT 5400
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. 1st Plug - 150 SKS "H" Cat. AT 2950' Disph. W/8 BBL H2O
2nd Plug - 10 SKS AT Top of Surface

CUSTOMER OR HIS AGENT WARRANTS 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...
(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...
(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, 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.
(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.
(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.
(j) 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.
(k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
(l) 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

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.

CUSTOMER

TIME A.M. P.M.