



JOB LOG HAL-2013-C

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							Called out
	2315							On Location Rig Laying Down Dots
	0400							Start 4 1/2" Casing In hole Set up Equipment Supersone II @ 4557' Baffle @ 4557' 2000, 1, 4, 7, 10, 13, 57 ES CEMENTER @ 2150' Casing in hole
	0700							Rig up to circulate Circulate for 1 STATE CORPORATION COMMISSION Tie up to pump truck SEP 27 1995 CONSERVATION DIVISION Wichita, Kansas
	0755	6	24				400	Pump 2% Class Prof
	0805	4					400	Start mixing cement 150 sks 40/60 Pozmix 'A' 2% Gel 18% Salt 31% Halad 322
	0818	4	52				200	Cement mixed Wash out pump & lines Release Plug
	0820	5					100	Start Displacement
			75				1300	Plug Down Release Pressure - Float Held
	0900						1000	Drop Free Plug OPED ES CEMENTER Circulate w/ Rig Pump Rig up to pump truck
	1035							Plug Rat Hole 15 sks Cont
	1040		4 1/2				200	Start mixing cement 450 sks HLG 2% Add'l Gel 1/4" Fluocel/sk
	1110		135				400	Cement mixed Release Plug
	1110	5						Start Displacement
	1118		35				1700	Plug Down Release Pressure BY CLOSED WASH UP & BACK UP Job Completed

Thank you: Hal, Gary, Tom & Richard

CUSTOMER

CEMENT 910 CIRCUIT
APPROX 355 SKS



JOB SUMMARY

HALLIBURTON DIVISION

15-101-21709-0000

HALLIBURTON LOCATION

BILLED ON TICKET NO.

WELL DATA

FIELD 3110 SEC. 11 TWP. 16 RING. 7 COUNTY Lin STATE Mo

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 7/23 MUD TYPE H2O MUD WT. 9.4
 PACKER TYPE _____ SET AT 2100
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 5110

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			4.1			
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7/23</u>	DATE <u>7/23</u>	DATE <u>7/23</u>	DATE <u>7/23</u>
TIME <u>8:00</u>	TIME <u>11:00</u>	TIME <u>07:00</u>	TIME <u>12:00</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>SUB-SEA</u>	<u>1</u>	<u>HCS</u>
GUIDE SHOE		
CENTRALIZERS <u>3-11 1 1/2</u>	<u>6</u>	<u>HCS</u>
BOTTOM PLUG		
TOP PLUG <u>25 P.L.S.T.</u>	<u>1</u>	<u>HCS</u>
HEAD <u>25 P.L.S.T.</u>	<u>1</u>	<u>HCS</u>
PACKER <u>Cement Ball</u>	<u>1</u>	<u>HCS</u>
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. Bl.</u>	<u>2100</u>	<u>1100</u>
<u>T. P.</u>	<u>41132</u>	<u>1100</u>
<u>R. T. H.</u>	<u>274</u>	<u>1100</u>
<u>CEMENT DID OK</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 2601 Clator II 24 BBL
 OTHER _____

DEPARTMENT CEMENTDESCRIPTION OF JOB CementJOB DONE THRU: TUBING CASING ANNULUS TBG./ANN. CUSTOMER REPRESENTATIVE XHALLIBURTON OPERATOR G. P. ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	150	40/60 Pozzol	A	B	20% 100% Salt 5% 1/2 H ₂ O	1.44	13.7
1	50	40/60 Pozzol	A	B	20% 100% Salt 5% 1/2 H ₂ O	1.44	13.7
2	450	H2O		B	27.5% 100% Salt 1/2" H ₂ O	1.67	13.1

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: BBL.-GAL. 24 TYPE 39.01.4.10
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 110
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 136
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 3200
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 4/3 REASON 5/100 JOINT
SEE JOB LOG
Threat joint
Red, grey, tan - Rock hard

CUSTOMER



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: **L.D. Delg Inc**
 ADDRESS:
 CITY, STATE, ZIP CODE: **Great Bend, KS**

DUNCAN COPY

TICKET

No. **839987 - 5**

PAGE 10 OF 10

SERVICE LOCATIONS 1 Hays 25525	WELL/PROJECT NO. 1	LEASE A161	COUNTY/PARISH LANE	STATE KS	CITY/OFFSHORE LOCATION Pendennis, KS	DATE 9/27/75	OWNER Sam
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR L.D. Delg	RIG NAME/NO. 1	SHIPPED VIA 51145	DELIVERED TO WELLSITE	ORDER NO.	
3. WELL TYPE 01	WELL CATEGORY 03	JOB PURPOSE 035	WELL PERMIT NO. APC 15-401-21709	WELL LOCATION 1/2 W 1 1/2 N Pendennis, KS			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF						
000-117		1			MILEAGE	140	mi.	2.75	385.00	
007-013	001-016	1			Pump Service	1	hr	176.50	176.50	
007-161		1			ADD STAGE	1	SB	1400.00	1400.00	
SA	837.00300	1			Superseal II Float shoe	1	EA	412.00	412.00	
40	807.93004	1			Centralizers	6	EA	413.00	2478.00	
820		1			Cement Basket	1	EA	412.00	412.00	
71	813.56125	1			ES Cementer	1	EA	2083.00	2083.00	
314-163		1			Clifix II	2	EA	27.50	55.00	
75	813.16410	1			Plug Set - Free Fall	1	EA	450.00	450.00	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*
 DATE SIGNED: TIME SIGNED: A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY: <input type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE		PAGE TOTAL 6704.00
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?		FROM CONTINUATION PAGE(S) 721-37
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		
	WELL DEPTH	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		
TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 14225.17

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) X [Signature]	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) [Signature]	HALLIBURTON OPERATOR/ENGINEER 301 Palabery 41187	EMP #	HALLIBURTON APPROVAL [Signature]
---	--	--	-------	--



HALLIBURTON

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 839987

HALLIBURTON ENERGY SERVICES Trk. 3846-8206 4444-5070

FORM 1911 R-10

CUSTOMER L. D. Drilling WELL #1 Albin DATE 9-21-95 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-136		1			40/60 Pozmix Cement W/2%Gel	200				7.16	1,432.00
509-968		1			Salt Blended	1,750	lb			.15	262.50
507-775		1			Halad-322 Blended	127	lb			7.00	889.00
508-291		1			Gilsonite Blended W/50	250	lb			.40	100.00
504-316		1			Halliburton Light Cement	450				8.03	3,613.50
507-277		1			Halliburton Gel @2% Add.	7				18.60	130.20
507-210		1			Flocele Blended	113	lb			1.65	186.45
500-207		1			SERVICE CHARGE	CUBIC FEET 707				1.35	954.45
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 58,745	LOADED MILES 70	TON MILES 2,056.075		.95	1953.27

15.101.21709.0000

No. B 285437

CONTINUATION TOTAL 9,521.37

ALLIED CEMENTING CO., INC.

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

New City

DATE <u>9-10-85</u>	SEC. <u>17</u>	TWP. <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>8:00PM</u>	ON LOCATION <u>9:30PM</u>	JOB START <u>1:00 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>Albin</u>	WELL # <u>1</u>	LOCATION <u>Pondocinus west Side 1 1/2 N</u>			COUNTY <u>Lane</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR L.D.

TYPE OF JOB Swafire

HOLE SIZE 12 1/2" T.D. 288'

CASING SIZE 8 3/8" 28# DEPTH 288'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

OWNER Sims

CEMENT

AMOUNT ORDERED 165 50/50 203

COMMON	<u>83</u>	@	<u>6.10</u>	<u>506.30</u>
POZMIX	<u>82</u>	@	<u>3.15</u>	<u>258.30</u>
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@	<u>28.00</u>	<u>140.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____

EQUIPMENT

PUMP TRUCK CEMENTER Mike

224 HELPER Bob

BULK TRUCK

116 DRIVER Bill

BULK TRUCK

_____ DRIVER _____

HANDLING	<u>165</u>	@	<u>1.05</u>	<u>173.25</u>
MILEAGE	<u>28</u>			<u>184.80</u>

TOTAL \$ 1291.15

REMARKS:

Ran 7 1/2 hrs 8 3/8" 28# Pipe - Broke
Line with Rig - Cemented with 165 SRs
50/50 203 Displaced with 17881
fresh #20 Cement did Circulate

Thank you
Allied Cementing
Mike, Bob, Bill

SERVICE

DEPTH OF JOB	<u>0-300'</u>			
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>28</u>	@	<u>2.35</u>	<u>65.80</u>
PLUG TWP		@	<u>45.00</u>	<u>45.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____

TOTAL \$ 555.80

CHARGE TO: L.D. Dailling

STREET RR

CITY Great Bend STATE Ks ZIP 67530

FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

TOTAL _____

TAX -0-

TOTAL CHARGE \$ 1846.95

DISCOUNT \$ 369.39 IF PAID IN 30 DAYS

Net \$ 1477.56

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Don Maghi