

East
 West

County Rooks

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:
Dual Induction Focused
Gamma Ray
Z-Densilog
Compensated Neutron
Minilog

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Topeka Ls.	2977	(-1005)
Heebner	3088	(-1116)
Lansing Ls.	3120	(-1148)
Kansas City Ls.	3208	(-1236)
Marmaton	3348	(-1376)
Arbuckle	3390	(-1418)
T.D.	3400	(-1428)

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8	23	1284	Light Standard	250	1/4# Floccelle/sk
Production	7-7/8	5-1/2	15.5	3395	Standard	150	3% CaCl2 10% Salt 5% Calseal 0.75% Halad 322 5# Gilsonite/sk

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	3319 - 34' (15')		500 Gal MSA + 1500 Gal
			HCL NEFE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	3239'	3239'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Pending Permit

Producing Method Flowing Pumping Gas Lift Injection Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf	Water	Bbls	Gas Oil Ratio	Gravity
	N/A		N/A		N/A		N/A	N/A

Disposition of Gas:
 Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf Dually Comp Cemented
 Other (Specify)

Production Interval

3319-34'

ORIGINAL

EMPHASIS OIL OPERATIONS
A Division of N-B Company, Inc.
P. O. BOX 506
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: American Trading & Production Corp.
1331 Lamar, Suite 1250
Houston, Texas 77010

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Stamper 'C' WELL #6

LOCATION: NW NW NE
Section 32-8S-17W
Rooks County, Kansas

API # 15-163-23245 -00-00

LOGGERS TOTAL DEPTH: 3399' L.T.D.

ROTARY TOTAL DEPTH: 3400' R.T.D.

ELEVATION: 1945' K.B.

COMMENCED: 9/8/94

COMPLETED: 9/13/94

CASING: 8-5/8" @ 1284' w/400 sks cement
5-1/2" @ 3395' w/150 sks cement

STATUS: Oil Well


DEPTHS & FORMATIONS

(All measurements from K.B.)

Shale	610'	Shale & Lime	2690'
Anhydrite	1288'	Lime & Shale	2912'
Shale	1316'	R.T.D.	3400'

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

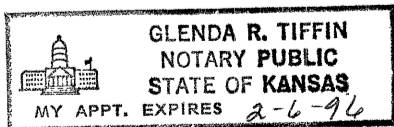
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.




Kyle B. Branum

Subscribed and sworn to before me on September 14, 1994.

My commission expires: February 6, 1996.





Glenda R. Tiffin, Notary Public

15-163-23245-0000

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

ORIGINAL



HALLIBURTON

INVOICE

ORIGINAL

INVOICE NO.	DATE
722546	09/09/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
STAMPER "C" 6		ROOKS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		EMPHASIS	CEMENT SURFACE CASING		09/09/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
018800	DAVID FANT			COMPANY TRUCK	76924

AMERICAN TRADING & PROD. CORP
1330 LAMAR
SUITE 1250
HOUSTON, TX 77010

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	40	MI	2.75	110.00
		1	UNT		
001-016	CEMENTING CASING	1284	FT	1,145.00	1,145.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	8 5/8	IN	130.00	130.00 *
		1	EA		
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00 *
815.19502					
27	FILL-UP UNIT 7"- 8 5/8"	1	EA	55.00	55.00 *
815.19415					
40	CENTRALIZER 8-5/8" X 12.25"	3	EA	72.00	216.00 *
807.93059					
504-308	CEMENT - STANDARD	150	SK	7.82	1,173.00 *
504-316	CEMENT - HALL. LIGHT STANDARD	250	SK	7.37	1,842.50 *
509-406	ANHYDROUS CALCIUM CHLORIDE	10	SK	36.75	367.50 *
507-210	FLOCELE	63	LB	1.65	103.95 *
500-207	BULK SERVICE CHARGE	420	CFT	1.35	567.00 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	374.630	TMI	.95	355.90 *

INVOICE SUBTOTAL	6,236.85
DISCOUNT-(BID)	1,623.99-
INVOICE BID AMOUNT	4,612.86
*-KANSAS STATE SALES TAX	179.91
*-HAYS CITY SALES TAX	36.72

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$4,829.49

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account Customer



15-163-23245-00200

HALLIBURTON

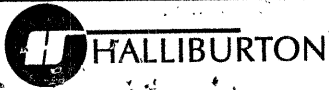
DATE
9.9.94

JOB LOG HAL-2013-C

CUSTOMER AMERICAN TRADING	WELL NO. b	LEASE STAMPIR "C"	JOB TYPE 8 5/8" SURFACE	TICKET NO. 722546
------------------------------	---------------	----------------------	----------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							CALLED OUT
	1530							ON LOCATION - DRILLING
	2230							DROP BALL ORIGINAL
	2240							BREAK CALCULATION - MUD PUMP
	2247	5.5	0		✓	150		MIX CEMENT
	2309		114.9					FINISH MIXING
	2310							RELEASE PLUG
	2311	6	0		✓	400		DISPLACE PLUG
	2325		79.9			650		PLUG DOWN 100 SKS CEMENT TO PRT
	2327					650		RELEASE PLUG
								OK FLOAT HILD
								WASH-UP
								RACK-UP
	2355							JOB COMPLETE

THANK YOU
 WAYNE WILSON
 DAJE ASH
 MEL KARLEN



JOB SUMMARY

HALLIBURTON DIVISION MED CONTROL
 HALLIBURTON LOCATION 11025, KS

BILLED ON TICKET NO. 7225

WELL DATA
 FIELD 15-163-23245-0020 SEC. 32 TWP. 36 RING. 17W COUNTY ROCKS STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		U	23	8 5/8	KB	1283	
LINER							
TUBING							
OPEN HOLE				1274	1283	1284	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

ORIGINAL

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>2 1/2" ST FLOAT</u>	1	<u>112WCO</u>
FLOAT SHOE <u>2 1/2" ST</u>	1	"
GUIDE SHOE		
CENTRALIZERS <u>5-4</u>	3	"
BOTTOM PLUG		
TOP PLUG <u>5W</u>	1	"
HEAD	1	"
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-9</u>	DATE <u>9-9</u>	DATE <u>9-9</u>	DATE <u>9-9</u>
TIME <u>1330</u>	TIME <u>1530</u>	TIME <u>2230</u>	TIME <u>2355</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. WILSON</u>	<u>B9377</u>	<u>PICTURE</u>
	<u>39604</u>	<u>COMBO</u>
<u>D. GEM</u>	<u>F1609</u>	<u>5143</u>
	<u>BULK</u>	"
<u>M. KARLW</u>	<u>G1811</u>	<u>5152-76102</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 CEMWT
 DESCRIPTION OF JOB CEMWT 8 5/8" SURFACE

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

CUSTOMER REPRESENTATIVE X DAVID FAUST

HALLIBURTON OPERATOR Wayne W. COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>250</u>	<u>HIC</u>		<u>B</u>	<u>2 1/2" CC, 1/4" # FIBRILL P/SK</u>	<u>1.86</u>	<u>12.64</u>
	<u>159</u>	<u>5000000</u>		<u>B</u>	<u>3 1/2" CC</u>	<u>1.20</u>	<u>15.62</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. <u>BBL. 79.9</u>
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____	CEMENT SLURRY <u>BBL. 92.8 - 32.1 = 119.9</u>
HYDRAULIC HORSEPOWER _____	TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____	REMARKS
AVERAGE RATES IN BPM _____	<u>TOTAL PIPE - 1289'</u>
TREATING _____ DISPL. _____ OVERALL _____	
CEMENT LEFT IN PIPE _____	
FEET <u>94'</u> REASON <u>TRIP</u>	

AMERICAN TRUST CO
 LEASE
 STAMPA
 WELL NO. 6
 JOB TYPE 3/2
 DATE 9-1-91

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

15-163-23245-00-00

INVOICE NO.	DATE
722908	09/13/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
STAMPER "C" 6		ROOKS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		EMPHASIS	CEMENT PRODUCTION CASING		09/13/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
018800	KIP BUNCH			COMPANY TRUCK	76924

ORIGINAL

AMERICAN TRADING & PROD. CORP
1330 LAMAR
SUITE 1250
HOUSTON, TX 77010

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	40	MI	2.75	110.00
		1	UNT		
001-016	CEMENTING CASING	3390	FT	1,500.00	1,500.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5.5	IN	65.00	65.00 *
		1	EA		
40	CENTRALIZER 5-1/2" X 7 7/8"	15	EA	44.00	660.00 *
807.93022					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	110.00	110.00 *
815.19251					
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	121.00	121.00 *
825.205					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00 *
815.19311					
018-315	MUD FLUSH	840	GAL	.65	546.00
504-308	CEMENT - STANDARD	150	SK	7.82	1,173.00 *
509-968	SALT	800	LB	.15	120.00
508-127	CAL SEAL 60	7	SK	25.90	181.30 *
507-775	HALAD-322	105	LB	7.00	735.00 *
508-291	GILSONITE BULK	750	LB	.40	300.00 *
500-207	BULK SERVICE CHARGE	186	CFT	1.35	251.10 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	164.55	TMI	.95	156.32 *

INVOICE SUBTOTAL

6,083.72

DISCOUNT-(BID)
INVOICE BID AMOUNT

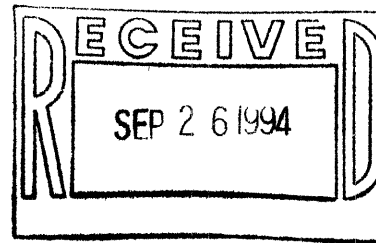
1,737.07-
4,346.65

*-KANSAS STATE SALES TAX
*-HAYS CITY SALES TAX

129.34
26.40

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

\$4,502.39



AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: American Trading
 ADDRESS: _____
 CITY STATE ZIP CODE: _____

CUSTOMER COPY

TICKET

No.

722908 - X

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>25525</u>	WELL/PROJECT NO. <u>6</u>	LEASE <u>Stamper C</u>	COUNTY/PARISH <u>ROOKS</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>9-13-94</u>	OWNER <u>Same</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <u>Empress Rig 8</u>	SHIPPED VIA <u>60 TRKS</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3. <input type="checkbox"/> SALES	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>N.E. Platteville KS</u>		<u>36-8-17</u> <u>ROOKS</u>
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

15-163-23245-00-20

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE 51143 (R.T.)	40	m I	1	unit	275	110.00
001-016		1		2	Pump charge	3390	FT	1	unit		1500.00
030-018		1			5w TOP Plug	1	EA	5 1/2	IN		65.00
40	807.93022	1			Centralizers 5-4 (Baker)	25	EA	"	"	44.00	660.00
24A	815.19251	1		2	insert float valve	1	EA	"	"		110.00
12A	825.205	1		40	Guide shoe	1	EA	"	"		121.00
27	815.19311	1			Auto Fillup assy	1	EA	"	"		55.00
018-315		1			MUD FLUSH	840	Gal			65	546.00

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

W. J. [Signature]
 DATE SIGNED: 9-13-94 TIME SIGNED: 1:30
 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		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>3237.00</u> 3457.00 FROM CONTINUATION PAGE(S) <u>2916.72</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>6486.72</u> <u>6373.72</u>
TREE CONNECTION	TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
			<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X [Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP # <u>82150</u>	HALLIBURTON APPROVAL <u>[Signature]</u>
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JOB SUMMARY

DIVISION 12222222
HALLIBURTON LOCATION Hays KsBILLED ON TICKET NO. 722903FIELD 13-143-23245-0020 SEC. 36 TWP. 8 RNG. 17 COUNTY ROOKS STATE KSFORMATION 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 3400

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>4</u>	<u>14+1/2</u>	<u>5 1/2</u>	<u>KE</u>	<u>3390</u>	
LINER						
TUBING						
OPEN HOLE				<u>3390</u>	<u>3400</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>w/ Auto fill</u>	<u>1</u>	<u>Howco</u>
GUIDE SHOE <u>REG 5 1/2</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>S-4 5 1/2</u>	<u>20</u>	<u>Howco-Baker</u>
BOTTOM PLUG		
TOP PLUG <u>5W 5 1/2</u>	<u>1</u>	<u>Howco</u>
HEAD		
PACKER		
OTHER		

CALL TIME	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-13-94</u>	DATE <u>9-13-94</u>	DATE <u>9-13-94</u>	DATE <u>9-13-94</u>
TIME <u>1100</u>	TIME <u>1300</u>	TIME <u>1400</u>	TIME <u>1800</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Ornel</u>	<u>B2150</u>	<u>P.W.</u>
	<u>40037</u>	<u>Hays Ks</u>
<u>Dash</u>	<u>31629</u>	<u>RLM</u>
	<u>51143</u>	<u>Hays Ks</u>
<u>G. Blossing</u>	<u>52160</u>	<u>B.T.</u>
	<u>51252-76103</u>	<u>Hays Ks</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. _____ IN

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER 840 Gal mud Flush

DEPARTMENT Cement
DESCRIPTION OF JOB SpargingJOB DONE THRU: TUBING CASING ANNULUS TBG./ANN. CUSTOMER REPRESENTATIVE X Jim Beard
HALLIBURTON OPERATOR J. Ornel COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>std</u>		<u>B</u>	<u>10% salt, 5% Calceal, 3 1/4% Hald 322, 515 Gal/sacks</u>	<u>1.38</u>	<u>15.4</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. 82

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL. 36.2

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

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 23 REASON shoe joint

REMARKS

CUSTOMER American Trading
LEASE Stanger
WELL NO. 6
JOB TYPE Logging
DATE 9-13-94

JOB LOG AL-2013-C

CUSTOMER American Trading	WELL NO. 6	LEASE Stamper "C"	JOB TYPE Longstring	TICKET NO. 722908
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	13:00							OP Location set up Trucks & Discuss job
	14:00							RIG Laying Down 2.P. ST CSG used 14# & 15.5# CSG Run Guideshoe insert w/ autofill & 20 centralizers on 1st 20 collars T.D 3400' Total 3300 3390.77' Shoe Joint 27.91' Float at 3362.86'
	16:10							CSG on bottom hook up To CIRC.
	16:15							ST CIRC w/ RIG Pump
	16:40							Finish circ hook up To mix cement
	16:45	4	20 BBL				100	Pump 840 Gal mud Flush Recip. Pipe ^{During} Job
	17:00	4	37 BBL				0	Pump 150 sks standard cmt w/ 10% Salt, 5% Calseal, 3/4% Haled 322, 5# Gibsonite/sk
	17:02	5					0	Finish mixing cement Plug ratholet washout P+L
	17:17	3	82 BBL				900	Release TOP Plug & ST Disp
	17:19							Plug Down 500 PSSF increase to 900 PSSF
	17:30							Release PSSF Float held
	18:00							Knock loose JOB complete

ORIGINAL

Thank You! Lanny & Crew