

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- 007224860000

County Barber

C - NE - SE - KANSAS CORP COMM Sec. 14 Twp. 38S Rge. 13 X E

1980 Feet from S/N (circle one) Line of Section

660 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Angell C Well # 4

Field Name Medicine Lodge

Producing Formation Mississippian

Elevation: Ground 1603 KB 1612

Total Depth 5015 PBTB

Amount of Surface Pipe Set and Cemented at 441 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content 36,000 ppm Fluid volume 320 bbls

Dewatering method used trucked to disposal well

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Molz Oil & Gas

Lease Name Molz SWD License No. 6006

Quarter 6 Sec. 6 Twp. 35 S Rng. E/W

County Barber Docket No. CD-9779

Operator: License # 3273

Name: Herman L. Loeb

Address P. O. Box 524

City/State/Zip Lawrenceville, IL 62439

Purchaser: KPL

Operator Contact Person: George A. Payne

Phone ( 812 ) 853-3813

Contractor: Name: Duke Drilling

License: 5929

Wellsite Geologist: Jon Christensen

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11/21/95 12/3/95 3/5/95  
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature George A. Payne

Title Petroleum Engineer Date \_\_\_\_\_

Subscribed and sworn to before me this 25 day of March, 19 96.

Notary Public Wanda J. Linder

Date Commission Expires Feb. 15, 2000

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

Operator Name Herman L. Loeb

Lease Name Angell C

Well # 4

Sec. 14 Twp. 33S Rge. 13

East  
 West

County Barber

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.)

Dual induction, Z-Density, Neutron, Gamma  
List All E.Logs Run:  
Ray, Minilog, cement bond.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Onaga shale	2809	KB 9' AGL
Topeka	3281	
Heebner shale	3772	
Lansing	3947	
Base Kansas City	4392	
Marmaton	4399	
Mississippi	4483	
Kinderhook	4709	
Viola	4814	
Simpson	4949	

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	441	A	285	175 light 110 std
Production	7 7/8"	5 1/2"	15.5	5004	A	230	*
* 5# Calseal, 18% salt, 5# Gilsonite, 1/8# Flocele, 3/4# Halad 322.							

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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	4484-4516	1000 gal 15% DSFE, 16000 gal N2 foam, 16000# sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	4433	4433	

Date of First, Resumed Production, SWD or Inj. 3/8/96 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		500	trace		0.68

Disposition of Gas: METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Comingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

ORIGINAL

Herman Loeb #4 Angell C  
Barber Co., Kansas

Drill Stem Test #1 Nov. 29, 1995 Swope

Test Interval: 4,329 to 4,373 ft  
Bottomhole Temp: 118 deg F

	<u>Duration</u>	<u>Pressure</u>	<u>Gas Flow</u>
Initial Flow:	15 min	233 psi	777 MCFPD
Initial Closed-in:	45 min	1584 psi	
Final Flow:	40 min	198 psi	802 MCFPD
Final Closed-in:	90 min	1572 psi	

Gas to the surface in 2 min. Recovered 50 ft of mud, 60 ft of gas cut watery mud (20% gas, 40% water, 40% mud chlorides 73,000 PPM). Closed-in pressures are nearly at static pressure (1607 psig).

Drill Stem Test #2 Nov. 30, 1995 Mississippian

Test Interval: 4,487 to 4,545 ft  
Bottomhole Temp: 121 deg F

	<u>Duration</u>	<u>Pressure</u>	<u>Gas Flow</u>
Initial Flow:	20 min	111 psi	442 MCFPD
Initial Closed-in:	60 min	145 psi	
Final Flow:	45 min	100 psi	472 MCFPD
Final Closed-in:	120 min	148 psi	

Gas to the surface in 5 min. Recovered 45 ft of gas cut mud (10% gas, 90% mud), 60 ft gas & mud cut water (10% gas, 50% water, 40% mud chlorides 64,000 PPM). Closed-in pressures are at static pressure (148 psig).

Drill Stem Test #3 Dec. 2, 1995 Misener-Viola

Test Interval: 4,817 to 4,835 ft  
Bottomhole Temp: 125 deg F

	<u>Duration</u>	<u>Pressure</u>	<u>Gas Flow</u>
Initial Flow:	15 min	62 psi	
Initial Closed-in:	45 min	55 psi	
Final Flow:	15 min	85 psi	
Final Closed-in:	30 min	54 psi	

RECEIVED  
KANSAS CORP COMM  
1996 APR -1 A 10: 32

ORIGINAL

Very weak surface blow for 5 min and died on initial flow period. No blow on final flow. Recovered 3 ft of oil spotted mud (1% oil, 99% mud). Low closed-in pressures are probably due to lack of permeability rather than low reservoir pressure.



# HALLIBURTON ORIGINAL

INVOICE

RECEIVED  
KANSAS CORP COMM

INVOICE NO.	DATE
906902	11/22/1995

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
WELL "C" 4 1567	1995 APR -1 A 10: 32 BARBER	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	DUKE DRILLING #5	CEMENT SURFACE CASING	11/22/1995
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
13940	JOE LEVINGSTON		
COMPAN			FILE NO.
9901 APR 12 A 10: 44			00051

HERMAN LOEB - LOEB OIL CO.  
P O BOX 524  
LAWRENCEVILLE, IL 62439

DIRECT CORRESPONDENCE TO:  
P O BOX 428  
HAYS KS 67601  
913-625-3431

RECEIVED  
KANSAS CORP COMM  
11/22/95

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	100 MI		2.85	285.00
001-016	CEMENTING CASING	441 FT		630.00	630.00
20A	INSERT FLOAT VALVE - 8 5/8" 8RD	1 EA		171.00	171.00
815.19502	FILL-UP UNIT 7" - 8 5/8"	1 EA		64.00	64.00
815.19415	CEMENT BASKET-8-5/8 X 12-1/4	1 EA		144.00	144.00
906 70060	CEMENT - HALL. LIGHT STANDARD	225 SK		8.03	1,405.25
909-406	ANHYDROUS CALCIUM CHLORIDE	5 SK		36.75	183.75
907-210	FLOCELE	44 LB		1.65	72.60
904-308	CEMENT - STANDARD	210 SK		8.86	924.60
909-406	ANHYDROUS CALCIUM CHLORIDE	3 SK		36.75	110.25
900-202	BULK SERVICE CHARGE	304 CFT		1.35	410.40
900-306	MILEAGE CMTG MAT DEL OR RETURN	669.50 TMI		.95	636.03

INVOICE SUBTOTAL

5,086.88

DISCOUNT (0.00)

1,220.83

INVOICE BID AMOUNT

3,866.05

\* KANSAS STATE SALES TAX

155.35

\* PRATT COUNTY SALES TAX

31.71

*paid 12/4/95 OK # 26302*

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \*\*\*\*\*

\$4,053.11

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

TICKET CONTINUATION

FIELD COPY

TICKET No. 906723

HALLIBURTON ENERGY SERVICES

CUSTOMER HERMAN LOEB

WELL ANGEL "C" #4

DATE 12-04-95

PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
504-308	516.00261	1			STANDARD CEMENT	230	sk			8	86	2,037	80
508-291	516.00337	1			GILSONITE BLENDED 5#	1150	lbs				40	460	00
508-127	890.50131	1			CALSEAL BLENDED 5%	12	sk			25	90	310	80
509-968	516.00158	1			SALT BLENDED 18%	1931	lbs				15	289	65
507-775	516.00144	1			HALAD-322 BLENDED .75%	162	lbs			7	00	1,134	00
507-210	890.50071	1			FLOCELE BLENDED .125%	27	lbs			1	65	44	55
LOADED ON TRK. #7488-SPLIT													
504-130		1			50/50 POZMIX W2% GEL	25	sk			6	75	168	75
LOADED ON TRK. #4413-FRONT													
ORIGINAL													
500-207		1			SERVICE CHARGE	CUBIC FEET		324		1	35	437	40
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		95		667	52
						28,106	50	702.65					

No. B 325669

CONTINUATION TOTAL

5550.47



JOB  
SUMMARY

HALLIBURTON  
DIVISION  
HALLIBURTON  
LOCATION

WELL DATA  
HUBER

BILLED ON  
TICKET NO. 906723

FIELD \_\_\_\_\_ SEC. 14 TWP. 33S RING. B3W COUNTY. BUTLER STATE KS

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	N	15.5	5 1/2	0	500'	
LINER						
TUBING						
OPEN HOLE				770	500' 5015	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT-COIL INSERT FRONT	1	Howco
FLOAT-SHOE FILL-UP UNIT	1	Howco
GUIDE SHOE	1	Howco
CENTRALIZERS	10	Howco
BOTTOM PLUG		
TOP PLUG 5W HEAVY	1	Howco
HEAD (MINI-FLOW)	1	Howco
PACKER CHASING SWIVEL	1	Howco
OTHER CHASING ROCKET	2	Howco

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 11-3 TIME 1400	DATE 11-3 TIME 2400	DATE 11-4 TIME 0300	DATE 11-4 TIME 0600

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
K. BARKLEY	40033	PLANT, KS
C 8500	P. H.	
C. BARKLEY	51436	"
C 9447	PLANT TRK	"
S. WALKER	-7488	"
H 1725	BULL TRK	"
H. BARKLEY	4413	"
B 8476	BULL TRK	"

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 CONCRETE  
 DESCRIPTION OF JOB CON. 5 1/2 PROD. CSG.  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR K. BARKLEY COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	25	50-50 P2		B	2% CEL	1.22	13.75
	230	4H-2		B	5% CMC SCHL, 1% SALT, 3/4% H-322, 5" 1/2" CHASING SWIVEL, 1/2" 1/2" FLOWLINE	1.37	15.0

PRESSURES IN PSI

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. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 42 REASON INSERT FRONT

SUMMARY

VOLUMES

PRESLUSH BBL.-GAL. 12 & 10 TYPE MINI-FLOSH  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 118.09  
 CEMENT SLURRY: BBL.-GAL. 56 & 56  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 REMARKS PLANT TRK = 35 MIN  
PIPE SET AT 500'  
INSERT FRONT AT 4962'

CUSTOMER

CUSTOMER: HELMUTH L. ROEB  
 LEASE: MICHELLE "C"  
 WELL NO: 14  
 JOB TYPE: CON. PROD. CSG.  
 DATE: 12-4-95

ORIGINAL



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: HERMAN L. LOEB  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

DUNCAN COPY

TICKET

No. 906723 - 4

PAGE 1 OF 2

1. SERVICE LOCATION: PLANT, HS. 25555 WELL/PROJECT NO.: #4 LEASE: ANGELL "C" COUNTY/PARISH: BARBER STATE: KS. CITY/OFFSHORE LOCATION: DATE: 12-4-95 OWNER: SHINIG

2. TICKET TYPE:  SERVICE JOB?  YES  NO CONTRACTOR: DUKE DRILL RIG NAME/NO.: #5 SHIPPED VIA: C.T. DELIVERED TO: WELL SITE ORDER NO.:

3. WELL TYPE: 01 WELL CATEGORY: 01 JOB PURPOSE: 035 CMT. PROD CSB. WELL PERMIT NO.: WELL LOCATION: LHWID 14-335-BW

4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: API # 15007224860000

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
000-117		1			MILEAGE 1 UNIT R.T.	100	miles			2.85	285.00
001-016		1			PUMP CHARGE	6	hrs	5000	FT.	1895.00	1895.00
018-315		1			WIND FLUSH	500	gal.			65	325.00
018-317		1			SUPER FLUSH	10	SBS.			100.00	1000.00
12A	825.205	1			GUIDE SHOE	1	EA.	5 1/2	in.	121.00	121.00
24A	815.19251	1			INSERT FLOAT VALVE	1	EA.	5 1/2	in.	110.00	110.00
27	815.19313	1			FILL-UP UNIT	1	EA.	5 1/2	in.	69.00	69.00
40	806.60022	1			CENTRALIZERS	10	EA.	5 1/2	in.	60.00	600.00
320	806.71430	1			CEMENT BRISSETS	2	EA.	5 1/2	in.	104.00	208.00
019-241		1			CASING SWIVEL	PER JOB		5 1/2	in.	185.00	185.00
030-016		1			TOP PLUG SW ALUM.	1	EA.	5 1/2	in.	60.00	60.00

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

DATE SIGNED: 12-4-95 TIME SIGNED:  A.M.  P.M.

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.

SUB SURFACE SAFETY VALVE WAS:  PULLED & RETURN  PULLED  RUN

TREE CONNECTION: TYPE LOCK DEPTH: BEAN SIZE SPACERS: TYPE OF EQUALIZING SUB. CASING PRESSURE: TUBING SIZE TUBING PRESSURE WELL DEPTH: TREE CONNECTION TYPE VALVE

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  AGREE  UN-DECIDED  DIS-AGREE

WE UNDERSTOOD AND MET YOUR NEEDS?  AGREE  UN-DECIDED  DIS-AGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  AGREE  UN-DECIDED  DIS-AGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  AGREE  UN-DECIDED  DIS-AGREE

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4858.00

FROM CONTINUATION PAGE(S): 5550.49

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

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): G.A. Payne CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature] HALLIBURTON OPERATOR/ENGINEER: KEVIN P. GORDLEY EMP #: 08500 HALLIBURTON APPROVAL: [Signature]



**JOB LOG HAL-2013-C**

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
HERMAN L LOEB		#4		HUGELL "C"		CHIT. PROD CSG.		966723	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
1	1400							(CALLED) CUT - 12-3-95	
	2000							ON LOCATION W/ FLIGHT EQUIP.	
	2400							TRUCKS ON LOCATION	
								TD - 5015' PIPE SET - 5004'	
								INSERT FLWT - 4962' 5 1/2" 15.5 CSG.	
								RUN GUIDE SLEE ON BOTTOM, INSERT FLWT IN FIRST COLLAR.	
								CENTRALIZER - 1, 3, 5, 8, 11, 13, 15, 17, 20, 24	
								CHIT. BASKET ON JOINTS 9, 15	
								START RUN CHSING	
	0230							CHSING ON BOTTOM - TNG BOTTOM, LAY DOWN 1ST, RUN CHASING IT.	
	0300							DROP BHL AND BREAK CIRC. WITH MILD PUMP AND ROTATE 750 PSI TO REMOVE FILL-UP TUBE	
	0430							HOOK UP HWC0 TO CHSING	
	0440	6	12	-		300		PUMP 12 BBL MILD FLUSH	
		6	15	-		300		PUMP 3 BBL H <sub>2</sub> O SPACER	
		6	25	-		300		PUMP 10 BBL SUPERFLUSH	
	0447	6	28	-		300		PUMP 3 BBL H <sub>2</sub> O SPACER	
	0449	6	0	-		300		START MIX CEMENT	
								230 SPS. EA-2 CEMENT	
	0500	6	56.1	-		200		FINISH MIX CEMENT	
								SHUT DOWN	
								WASH OUT LINES & RELEASE PLUG	
	0502	7 1/2	0	-		150		START DISP CEMENT	
	0513	7 1/2	81	-		400		PSI INCREASE - LIFT CEMENT	
	0517	4	110	-		900		SLOW RATE	
	0520		119 1/2	-		1500		PLUG DOWN	
								RELEASE PSI - FLWT H <sub>2</sub> O	
								PLUG PHT TUBE W/ 25 SE 30-SE 30-2	
								WASH UP - PACK UP	
	0600							JOB COMPLETE - THANKS	

ORIGINAL