

ORIGINAL

JAN 29 1991

SIDE ONE

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

API NO. 15- 175-21,117-0000 FROM CONFIDENTIAL

County Seward

SW NW Sec. 4 Twp. 32S Rge. 33  East West

2962' Ft. North from Southeast Corner of Section

376' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

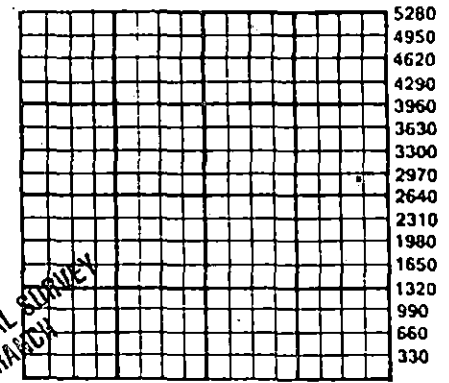
Lease Name Dreitz Farms Well # 4-1

Field Name Unnamed

Producing Formation Morrow

Elevation: Ground 2880' KB 2892'

Total Depth 5950' PBD 5770'



ACT I  
1-29-91

Amount of Surface Pipe Set and Cemented at 1608 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set n/a Feet

If Alternate II completion, cement circulated from n/a

feet depth to          w/          sx cmt.

Operator: License # 4247

Name: Dolomite Resources Corp.

Address Suite 740  
105 South Broadway

City/State/Zip Wichita, KS 67202

Purchaser: n/a

Operator Contact Person: Thomas G. Pronold

Phone 816, 265-8014

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: Mark W. Grommesh

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc)

If OWM: old well info as follows:

Operator: n/a

Well Name:         

Comp. Date          Old Total Depth         

Drilling Method:  Mud Rotary  Air Rotary  Cable

12/15/89 12/31/89 1/15/90

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Thomas G. Pronold

Title President Date 1/19/90

Subscribed and sworn to before me this 19th day of JANUARY 19 90.

Notary Public Krista L. Dahlinger

Date Commission Expires         

KRISTA L. DAHLINGER  
Notary Public - State of Kansas  
My Appt. Expires 5/14/91

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA

KGS  Plug  Other

(Specify)

RECEIVED  
JAN 29 1990  
CONSERVATION DIVISION  
Wichita, Kansas

00000000

1991

SIDE TWO

Operator Name Dolomite Resources Corp. Lease Name Dreitz Farms Well # 4-1  
 Sec. 4 Twp. 32S Rge. 33  East  West  
 County Seward

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.)

Drill Stem Test results are attached.

FORMATION DESCRIPTION

Electric  Log  Sample

Name	Top	Bottom
Heebner	4181	(-1289)
Lansing/KC	4303	(-1411)
Marmaton	4928	(-2036)
Cherokee Sh	5112	(-2220)
Morrow Sh	5466	(-2574)
Chester	5561	(-2669)
St. Genevieve	5730	(-2838)
St. Louis	5806	(-2914)
RTD / LTD	5952	

1991 7 9 1991

RELEASED

FROM CONFIDENTIAL

CASING RECORD  New  Used Surface is new Production is 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		8-5/8"	24#	1608'	Howco Lt. Howco Classco	600	2% cc 1/4# Florele
						150	2% cc
Production	7-7/8"	4-1/2"	11.6#	5768	Howco Class H 200	5%	KCL 6/10% Halad 322

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5528 to 5534	None	

TUBING RECORD Size 2-3/8" Set At 371' Packer At 324' unset Liner Run  Yes  No

Date of First Production n/a Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		CAOF 6.852 MMCFD			

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

METHOD OF COMPLETION  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify)

Production Interval

FROM CONFIDENTIAL



**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

CHARGE TO: **AMOLD PRODUCTION Co.**  
 ADDRESS: **2225 West OK.**  
 CITY, STATE, ZIP CODE: **Wichita KS. 67208**

CUSTOMER COPY

No.

TICKET

139924 -

PAGE 1

1. SERVICE LOCATIONS <b>WOODWARD</b>	WELL/PROJECT NO. <b>3-HT</b>	LEASE <b>JARRETT</b>	COUNTY/PARISH <b>Seward</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>3-12-97</b>	OWNER <b>SAM</b>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE JOB? <input type="checkbox"/> YES <input type="checkbox"/> SALES <input checked="" type="checkbox"/> NO	NITROGEN <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Eidson Well Ser</b>	RIG NAME/NO.	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>Wellsite</b>	ORDER NO.	
3. WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>830</b>	WELL PERMIT NO.	WELL LOCATION <b>LAND</b>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
750730		100	MILEAGE Logging Unit	40	mi.			2.97	119
750755		100	Mileage Pickup	40	mi.			1.60	64
750507		0	EPS	1	EA.			75.00	75
750500			SER. CHS.	1	EA.			900.00	900
750907			Junk Catcher	4800	Ft.	+400		.25	1600
757000			<del>Plug Depth</del>	4700	Ft.			.25	1175
756913			Dump Bailer	4700	Ft.	+400		.27	1669
757018		0	DB Plug	1	EA.			450.00	450
750955		0	Baker Slow Burn	1	EA.			175.00	175
750955		0	Cement	2	EA.			15.00	30

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 JUL 14 1997  
 CONSERVATION DIVISION  
 WICHITA, KS  
 ORIGINAL

**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: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  A.M.  P.M.

I 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 <b>6257</b>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					FROM CONTINUATION PAGE(S)
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>3167</b>
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
		<input 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) <b>JOE FUDEY</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>X</b>	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL <b>2867.6</b>
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JOB LOG (HAT-2013-C)

DATE: 3-12-97 PAGE NO.:

CUSTOMER: Amoco Beck WELL NO: 3 HE LEASE: Airport JOB TYPE: Port Call no's TICKET NO: 183678

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

Table with columns for CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS T C, PRESSURE (PSI) TUBING CASING, and DESCRIPTION OF OPERATION AND MATERIALS. Contains handwritten entries for operations like 'Time Called', 'Setup Pump Truck', 'Have Safety Meeting', 'Hookup to Tubing', 'Load the Hole', 'Shut Down', 'Press Test', 'Breach Loss From Tub', 'Release From Loc', 'Hookup to Case', 'Load Hole', 'Shut Down', 'Set Tuck Tshian Gate', 'Shut Down', 'Start Down Hole w/ Cement', 'Finish Mixing Cement', 'Shut Down', 'Dump Sur Top Phg', 'Start Dep', 'Shut Down', 'Breach Loss From Head', 'Finish w/ Job'.

RECEIVED KANSAS CORPORATION COMMISSION JUL 14 1997 CONSERVATION DIVISION WICHITA, KS Did not Breach Give up The 8 1/2 Surface Dr.

CUSTOMER



# HALLIBURTON JOB SUMMARY

HALLIBURTON LOCATION Wichita, Ks

BILLED ON TICKET NO. 183678

WELL DATA  
FIELD \_\_\_\_\_ SEC 4 TWP 32S RING 33W COUNTY Sevier 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 Best Collar SET AT 3179  
BOTTOM HOLE TEMP \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
		105	4 1/2	66		
LINER						
TUBING			2 3/4	KR	3179	
OPEN HOLE						SHOTS/FT
PERFORATIONS					2975	
PERFORATIONS				Top Hy	2950	
PERFORATIONS						

TOOLS AND ACCESSORIES  
TYPE AND SIZE \_\_\_\_\_ QTY \_\_\_\_\_ MAKE \_\_\_\_\_  
FLOAT COLLAR \_\_\_\_\_  
FLOAT SHOE \_\_\_\_\_  
GUIDE SHOE \_\_\_\_\_  
CENTRALIZERS \_\_\_\_\_  
BOTTOM PLUG \_\_\_\_\_  
TOP PLUG \_\_\_\_\_  
HEAD \_\_\_\_\_  
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. \_\_\_\_\_ IN \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

### JOB DATA

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
3-12	3-12	3-12	3-13
TIME 0900	TIME 1200	TIME 1145	TIME 0900

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Deanna</u>	<u>426711</u>	<u>Wichita, Ks</u>
<u>Chay</u>	<u>53352</u>	<u>"</u>
<u>T. Bennett</u>	<u>78262</u>	<u>"</u>
<u>Stalford</u>	<u>54184</u>	<u>Higdon, Ks</u>
<u>G. Humphries</u>	<u>30502</u>	<u>"</u>
	<u>6611</u>	

DEPARTMENT Conservation  
DESCRIPTION OF JOB Best Collar

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

CUSTOMER REPRESENTATIVE Deanna  
HALLIBURTON OPERATOR Deanna  
COPIES REQUESTED \_\_\_\_\_

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>300</u>	<u>Port Plus</u>	<u>Best mix</u>		<u>1 1/2% Gypsum</u>	<u>1.48</u>	<u>13.8</u>
	<u>100</u>	<u>Port Plus</u>			<u>3% Salt</u>	<u>1.314</u>	<u>15.0</u>

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET 25 REASON PA

### SUMMARY

VOLUMES  
PRESLUSH: BBL.-GAL. 20 P. FLD TYPE WATER  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
DISPL.: BBL.-GAL. 102.3  
TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
DISPL.: BBL.-GAL. 102.3

### REMARKS

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CONSERVATION DIVISION  
WICHITA, KS



TICKET CONTINUATION CUSTOMER COPY

TICKET No. 183678

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Amoco Production	WELL Jacrett #3H	DATE 03-12-97	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOG	ACCT	DF							
504-050	516.00265				Premium Plus Cement	100	sk			14 01	1401
504-132					50/50 Premium Plus Pozmix	300	sk			9 90	2970
504-050	516.00265					150	sk				
506-105	516.00286					11100	lb				
506-121	516.00259					5	sk				
508-291	516.00337				Gilsonite 400/ 300	1200	lb			40	480
509-968	516.00315				Salt 400/ 300, 300/ 100	835	lb			15	125
500-207					SERVICE CHARGE						
500-306					MILEAGE CHARGE						
					TOTAL WEIGHT	37139					
					LOADED MILES		35				
					CUBIC FEET		436			1 35	589 6
					TON MILES		649,9325			1 69	682 4

ORIGINAL

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 JUL 14 1997  
 CONSERVATION DIVISION  
 WICHITA, KS

No. B 389107

CONTINUATION TOTAL 6247.2



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: Amoco Production

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

CUSTOMER COPY

TICKET

No. 183678 - 0

PAGE 1 OF 1

SERVICE LOCATIONS: 25546 Libers Ks  
25535 Highton Ks

WELL/PROJECT NO.: 3 HE

LEASE: Laurett

COUNTY/PARISH: Sevier

STATE: Ks

CITY/OFFSHORE LOCATION: \_\_\_\_\_

DATE: 3-12-97

OWNER: Amoco

TICKET TYPE:  SERVICE  SALES

NITROGEN JOB?  YES  NO

CONTRACTOR: \_\_\_\_\_

RIG NAME/NO.: \_\_\_\_\_

SHIPPED VIA: \_\_\_\_\_

DELIVERED TO: Loc

ORDER NO.: \_\_\_\_\_

WELL TYPE: \_\_\_\_\_

WELL CATEGORY: 0161

JOB PURPOSE: Comm Port Collar

WELL PERMIT NO.: \_\_\_\_\_

WELL LOCATION: NOF Libers

REFERRAL LOCATION: \_\_\_\_\_

INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117	ORIGINA	1			MILEAGE	44	miles			2.99	131.56
000-119		1			Crew Mileage	44	miles			1.60	70.40
090-019		1			Pump mileage 3-13-97	2975	FT				1580.00
000-119		1			Crew Mileage 3-13-97	44	miles				70.40
030-016		1			Sw Top Pk					45.00	45.00
011-205		1		Pump mileage Miscellaneous 3-12-97	1000/2000	RE				1270.00	

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JUL 14 1997  
CORPORATION DIVISION  
TOPEKA, KS

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

do not require IPC (Instrument Protection).  Not offered

DATE SIGNED: 3/12/97 TIME SIGNED: \_\_\_\_\_

SIGNATURE: Joe Evdey Amoco Rep.

SUB SURFACE SAFETY VALVE WAS:  PULLED & RETURN  PULLED  RUN

TYPE LOCK: \_\_\_\_\_ DEPTH: \_\_\_\_\_

BEAN SIZE: \_\_\_\_\_ SPACERS: \_\_\_\_\_

TYPE OF EQUALIZING SUB.: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

TUBING SIZE: \_\_\_\_\_ TUBING PRESSURE: \_\_\_\_\_ WELL DEPTH: \_\_\_\_\_

TREE CONNECTION: \_\_\_\_\_ TYPE VALVE: \_\_\_\_\_

**SURVEY**  AGREE  UN-DECIDED  DISAGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 3162 36

FROM CONTINUATION PAGE(S): 6247 28

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): X

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): Lioioz Dennis

HALLIBURTON OPERATOR/ENGINEER: 59179

EMP #: \_\_\_\_\_

HALLIBURTON APPROVAL: 62-130





JOB LOG HAL-2013-C

CUSTOMER: Amoco Prod WELL NO: 3 H3 LEASE: WARETT JOB TYPE: P Cement TICKET NO: 183681

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							Time Collected ORIGINAL
	0800							Time Ready
	0630							Time out of Move From One Loc To Next
	0845							Hookup To Cement Head + Load Plug
	0915		1.334					Load Casing
	0916					1000		Pressing + Release Press
	0918							"
	0920					1250		Press Hold
	0938					1050		Press + Holding
	0939							Release Press Rig Down Prep Ties
	1000							Release From Loc
								Going To Run Cement Logs Later in The Day
3-19	0400							Time Collected
	0700							Time Ready
	0615							Time out of He Staging Slit Repeat 266
	0730							Hookup Head + Manifold
	0735							Have Safety Meeting
	0735							Store water Head
	0737	2.5	10					Start Mix Cement
	0808	4	79.0			350		Start Tail Cement
	0814		23.4			250		Final Mix
	0815	2.95	13.4			230		Slut Down Drop Plug wash Pump & Lines
	0818					150		Start Dip
	0845		40			750		Plug Cement Slut in Head
								Safety Meeting on loc t 2425 ft of Cmt
								Hour
								Paul Green
								Bobby Whitham
								Paul Green
								Paul Green

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Thanks For looking  
H. W. Anderson  
Energy  
Paul Green

Hour  
Paul Green  
Bobby Whitham  
Paul Green  
Paul Green



WELL DATA

FIELD SEC TWP. 32<sup>S</sup> R. 3<sup>E</sup> COUNTY Spaulding 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

Table with columns: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS. Includes handwritten 'ORIGINAL' and 'Top Hole 2815' 2900 2600'. Includes 'SHOTS/FT' column.

JOB DATA

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY., MAKE. Includes entries for Float Collar, Float Shoe, Guide Shoe, Centralizers, Bottom Plug, Top Plug, Head, Packer, Other.

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times: DATE 3-18, DATE 3-18, DATE 3-19, DATE 3-19. TIME 0400, TIME 0630, TIME 0730, TIME 0845.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes names like 'D. Lane', 'R. Elwood', 'Gary Humphreys', 'D. King', 'C. Adley' and unit numbers like 420041, 59179, 53552/78202, 50502/75000, 4461/4411, 4461/6611, 44061/77005.

MATERIALS section with fields for TREAT. FLUID, DISPL. FLUID, PROP. TYPE, ACID TYPE, SURFACTANT TYPE, NE AGENT TYPE, FLUID LOSS ADD. TYPE, GELLING AGENT TYPE, FRIC. RED. AGENT TYPE, BREAKER TYPE, BLOCKING AGENT TYPE, PERFPAC BALLS TYPE, OTHER.

RECEIVED stamp: KANSAS CORPORATION COMMISSION, JUL 17 1997, CONSERVATION DIVISION WICHITA, KS. Includes 'DEPARTMENT: Cement' and 'DESCRIPTION OF JOB: Re-Cement'.

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Includes handwritten entries: 1000, 30/50 Bz, Bement, 14 1/2 Gypsum, 14% Salt, 3% Salt, 1.48, 13.8, 1.34, 15.0.

SUMMARY

Summary section with fields: PRESSURES IN PSI (CIRCULATING, BREAKDOWN, AVERAGE, SHUT-IN), HYDRAULIC HORSEPOWER, ORDERED, TREATING, FEET, CEMENT LEFT IN PIPE, REASON.

Summary section with fields: VOLUMES (PRESLUSH, LOAD & BKDN, TREATMENT, CEMENT SLURRY, TOTAL VOLUME), REMARKS. Includes handwritten '10 Water Allow' and '40.0'.

CUSTOMER



TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 183681

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

Customer: Anoco Production  
 Well: Jarrett 3H  
 Date: 3-18-97  
 Page: 1 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT
		LOC	ACCT	DF								
504-050	516.00265				Premium Plus	100				14.01	1401	
504-132					50/50 Premium Plus Pozrite	300				9.90	2970	
504-050	516.00265											
506-105	516.00286											
506-121	516.00259											
508-291	516.00337				Gilsonite 44#/300	1200	lb			40	480	
509-968	516.00315				Salt 47#/100 38#/100	784	lb			15	117	
500-207					SERVICE CHARGE							
500-306					MILEAGE CHARGE							
					TOTAL WEIGHT	30050						
					LOADED MILES		30					
					CUBIC FEET			435		1.35	587	
					TON MILES			585.75		1.05	615	

ORIGINAL

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 JUL 14 1997  
 CONSERVATION DIVISION  
 WICHITA, KS

No. B 389154

CONTINUATION TOTAL 6170.8



**HALLIBURTON ENERGY SERVICES**  
HAL-1906-P

CHARGE TO: Amoco Production  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

CUSTOMER COPY  
 No. **183681**  
 PAGE 1

SERVICE LOCATIONS 1. <u>25540 Liberal, KS</u>	WELL/PROJECT NO. <u>3 NE</u>	LEASE <u>Liberal</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>3-18-97</u>	OWNER <u>Amoco</u>
2. <u>25540 Hugoton, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Eldredge Well Services</u>	RIG NAME/NO. <u>Eldredge Well Services</u>	SHIPPED VIA <u>LUC</u>	DELIVERED TO <u>LUC</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>Eldredge Well Services</u>	WELL PERMIT NO.	WELL LOCATION <u>NOF Liberal</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M			
000-117	ORIGINAL				MILEAGE	3-18-97	44	miles	2.99	131
000-019					Crew Mileage		44	miles	1.60	70
011-205					Pumpcharge Miscellaneous / Job		1200	FT		1270
000-117					Mileage	3-19-97	44	miles	2.99	131
000-119					Crew Mileage		44	miles	1.60	70
009-019					Pumpcharge		2600	FT		1580

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 JUL 14 1997  
 CONSERVATION DIVISION  
 WICHITA, KS

**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 Joe B. [Signature] Amoco Co Rep.

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_

A.M.  
 P.M.

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

SUB SURFACE	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	3253
TYPE LOCK	DEPTH	WE UNDERSTOOD AND MET YOUR NEEDS?				FROM CONTINUATION PAGE(S)	6170
BEAN SIZE	SPACERS	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				34%	2098
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	4072
TUBING SIZE	TUBING PRESSURE	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
TREE CONNECT	TYPE VALVE	<input 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) \_\_\_\_\_ HALLIBURTON OPERATOR/ENGINEER EMP # 5917A HALLIBURTON APPROVAL: \_\_\_\_\_

X Li0102 Dennis Corp