

ORIGINAL

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

Operator: License # 30146
Name: Mach Petroleum, Inc.
Address P.O. Box 35583
City/State/Zip Tulsa, Ok 74153
Purchaser: NCRA
Operator Contact Person: Thomas C. Mach
Phone (918) 496-0442
Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Dan Fredlund

Designate Type of Completion
 New Well Re-Entry
 Oil SWD SIOW
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows
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. _____
10-06-93 10-12-93 11-8-93
Spud Date Date Reached TD Completion Date

API NO. 15- 155-21,296-0000
County Reno
SW SW SW Sec. 10 Twp. 25 Rge. 9 E W
330 Feet from S (circle one) Line of Section
330 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Ethel Well # 1
Field Name Langdon
Producing Formation Mississippi
Elevation: Ground 1684 KB 1691
Total Depth 4035 PBTB 3928
Amount of Surface Pipe Set and Cemented at 180 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
_____ depth to _____ w/ _____ sx cat.
Drilling Fluid Management Plan CB 6-9-94
(Data must be collected from the Reserve Pit)
Chloride content 9000 ppm Fluid volume 400 bbls
Dewatering method used Hauled
Location of fluid disposal if hauled offsite: _____
Operator Name C & C Tank Service
Lease Name Roach SWD License No. 30708
Quarter Sec. 14 Twp. 25 S Rng. 9W E/W
County Reno Docket No. D-22208

RECEIVED
STATE CORPORATION COMMISSION
FEB - 4 1994
CONSERVATION DIVISION
Wichita, Kansas

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Thomas C. Mach
Title PRESIDENT Date 2/1/94
Subscribed and sworn to before me this 1 day of February, 1994.
Notary Public Joy Wattle
Date Commission Expires August 8, 1994

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NSPA
 KGS Plug Other (Specify)

PI

Operator Name **Mach Petroleum, Inc.**

SIDE TWO

Lease Name **Ethel** Well # **1**

Sec. 10 Twp. 25 Rge. 9
 East
 West

County **Reno**

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.

SEE GEO. REPORT

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

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E.Logs Run:

Name	Top	Datum
Stark	3631	-1939
Hushpuckney	3667	-1975
Cherokee	3827	-2135
Mississippi	3868	-2176
Kinderhook	3927	-2235
TD	4034	

DIL/FDC/CNL/SP/GR/CBL

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 1/2"	8-5/8"	23#	180'	60/40 poz	200	2% gel 3% ct.
Production	7-7/8"	5 1/2"	15#	4033'	60/40 poz	150	2% gel 10% salt

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
4	3868-3878	2500g 10% HF Acid	
		500 Bbls Gel Water, 39,000# Sand	

TUBING RECORD

Size **2 7/8"** Set At **3908** Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. **1/6/94** Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6	100	100	16,666	35

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval **3868-3878**



CHARGE TO: MACH Petroleum Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

COPY

TICKET

No. **509927-0**

PAGE 1 OF 2

FORM 1806 R-12

1. <u>TRAK KS</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>E-THEL</u>	COUNTY/PARISH <u>REX</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>10-12-93</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <u>DUKE DRUG CO.</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>15155212960000</u>	WELL LOCATION <u>10-253-9W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING LOC ACCT DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		1		MILEAGE	30	mi			2.75	82.50
001-016		1		Pump CHARGE	1	HR	4.035	fl		40.45
030-016		1		5/8" PLUG	1	EA.				60.00
018-317		1		SUPERFLUIT	12	SK			100.00	1200.00
12A	825-206	1		6 1/2" GUIDE	1	EA.			121.00	121.00
24A	815-19357	1		5/8" INSERT FLAT SHOE	1	EA.			110.00	110.00
27	815-19313	1		AUTO FILL UP ASSEM.	1	EA.			55.00	55.00
40	806-60022	1		5/8" 3-4 CENTRALIZERS	4	EA.			44.00	176.00
320	806-8883	1		5/8" CEMENT BASKET	1	EA.			110.00	110.00
350	890-10803	1		HALLIBURTON WELD-A	1	EA.			14.50	14.50
042-241		1		5/8" PLUG	1	EA.			185.00	185.00

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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE

X Steve Bundy

DATE SIGNED 10-12-93 TIME SIGNED 2:47

A.M. P.M.

do do not require IPC (Instrument Protection) Not offered

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 DIS-AGREE

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 365.00

FROM CONTINUATION PAGE(S) 2984.00

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 4443.00

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)

STEVE BUNDY

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)

X Steve Bundy

HALLIBURTON OPERATOR/ENGINEER EMP # _____

M. R. ...

HALLIBURTON APPROVAL



HALLIBURTON
ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

TICKET
No. 509927

FORM 1911 R-8

CUSTOMER MACH PETROLEUM INC	WELL 1 ETHEL	DATE 10-11-93	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOG	ACCT	DF			QTY.	U/M	QTY.	U/M			
504-136		1				40/60 POZMIX W2% GEL	30	sk			5.68	170	40
504-136		1				40/60 POZMIX W2% GEL	166	sk			5.68	942	88
508-291	516.00337	1				GILSONITE BLENDED 6#	1000	lb			.40	400	00
509-968	516.00158	1				SALT BLENDED 10%	900	lb			.13	117	00
507-775	516.00144	1				HALAD-322 BLENDED .75%	104	lb			6.90	717	60
509-968	516.00158	1				SALT NOT MIXED	400	lb			.13	52	00
500-207						SERVICE CHARGE							
500-306						MILEAGE CHARGE							
						TOTAL WEIGHT	18,728						
						LOADED MILES	30						
						CUBIC FEET	235				1.35	317	25
						TON MILES	280.92				.95	266	87

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FEB 4 1994

CONSERVATION DIVISION
Wichita, Kansas

CONTINUATION TOTAL 2984.00



JOB SUMMARY

HALLIBURTON DIVISION MID-CONTINENT
 HALLIBURTON LOCATION PRATT KS

BILLED ON TICKET NO. 509927

WELL DATA

FIELD _____ SEC. 10 TWP. 25S RING. 9W COUNTY RENO STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>15 1/2</u>	<u>5 1/2</u>	<u>0</u>	<u>4039</u>	
LINER							
TUBING	<u>5 1/2</u>			<u>8 9/8</u>	<u>150</u>	<u>182</u>	
OPEN HOLE				<u>7 7/8</u>	<u>182</u>	<u>4035</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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 _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR <u>INSECT FLOAT</u>	<u>1</u>	<u>THE S.</u>
FLOAT PONGE <u>AUTO FILLUP</u>	<u>1</u>	<u>"</u>
GUIDE SHOE	<u>1</u>	<u>"</u>
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>1</u>	<u>"</u>
HEAD	<u>1</u>	<u>"</u>
PACKER <u>NCLDA</u>		
OTHER <u>CMT. BASKET</u>	<u>1</u>	<u>"</u>

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-11</u>	DATE <u>10-11</u>	DATE <u>10-12</u>	DATE <u>10-12</u>
TIME <u>20:00</u>	TIME <u>23:00</u>	TIME <u>03:00</u>	TIME <u>04:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>M. BOLYARD</u>	<u>50848</u>	<u>38423</u>
<u>K. GORDON</u>	<u>08500</u>	<u>51930</u>
<u>S. LOONEY</u>	<u>G-1510</u>	<u>2689541</u>
		<u>PRATT KS.</u>
		<u>PRATT 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 _____
 PERFPAC BALLS TYPE _____ QTY _____
 OTHER _____
 OTHER _____

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 5 1/2" PROD. CSG
 JOB DONE THRU: TUBING CASINGS ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR M.R. Bolyard

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	WATER	MIXED LBS./GAL.
	<u>30</u>	<u>40 PCE</u>	<u>60 STD.</u>		<u>2% GCC</u>		<u>13.96</u>
	<u>100</u>	<u>40 PCE</u>	<u>60 STD.</u>		<u>2% GCC, 10% SACT, 75% HALAD 322</u>		<u>13.7</u>
					<u>6% GILSONITE</u>		

PRESSURES IN PSI _____ SUMMARY _____ VOLUMES _____

CIRCULATING _____ DISPLACEMENT _____ PRES. SLUSH: BBL-GAL. 20/12 TYPE SACT subseal
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL.: BBL-GAL. 95.13
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL. 42.87
 _____ HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. KAP & mouse - 4.95
 ORDERED _____ AVAILABLE _____ USED _____
 _____ AVERAGE RATES IN BPM _____ REMARKS _____
 _____ TREATING _____ DISPL. _____ OVERALL _____
 _____ CEMENT LEFT IN PIPE _____
 FEET 42 REASON INSECT FLOAT

CUSTOMER: MACH PERFORCUM INC LEASE: ETHEL WELL NO: 1 JOB TYPE: CEMENT DATE: 10-12-93

ORIGINAL

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 FEB 1994
 CONSERVATION DIVISION
 WICHITA, KANSAS

CUSTOMER: MACH Petroleum, INC. WELL NO: 1 LEASE: ECHTEL JOB TYPE: CEMENT TICKET NO: 509927

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	20:00							CALLED OUT
	23:00							ON LOCATION
								RIG LANDING DOWN COLLARS
								(LOST CMT. BASKET SENT FOR ANOTHER)
								HAD TO WAIT 15 MIN. ON BASKET
	01:30							BREAK CERE. RIG PUMP
	03:08	8	20				250	RUN SACT PREFLUSH 20 BCLS
	03:13	7	32				300	RUN SUPER FLUSH 12 BCLS
			/					SHUT IN WELL
	03:18	3	6.95					PLUG RAT HOLE & MOUSE HOLE
			/					
	03:23	6	0				250	MIX CMT. (CSG. 166 BCLS. 40/100 POC.) PUMPING DOWN CSG.
	03:37		42.87					SHUT IN WELL FLUSH LINES
			/					RELEASE PLUG
	03:39	9	0				450	START DISP.
		3					400	LAST 60 BCLS @ 3:38 PM
	03:50		95.13				750	PLUG DOWN (ACT. 95.4 BCLS)
	03:53							REGGASED & HELD
								WASH UP TRK
								RACK UP
	04:30							JOB CAMP

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FEB - 4 1994
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



CHARGE TO: *Mack Petroleum Inc.*
 ADDRESS: *P.O. Box 35583*
 CITY, STATE, ZIP CODE: *Tulsa, Okla 74153*

TICKET No. 509525 - 5

FORM 1908 R-12

41359

PAGE 1 OF 2

1. SERVICE LOCATIONS: *Platt K5 25555* WELL/PROJECT NO.: *1* LEASE: *Estel - FILE REND* COUNTY/PARISH: *KS* STATE: *KS* CITY/STATE LOCATION: *Wichita, Kansas* DATE: *10-6-93* OWNER: *Sam S*

2. TICKET TYPE: SERVICE SALES NITROGEN JOB? YES NO CONTRACTOR: *Duke DMC 2* RIG NAME/NO.: *2* SHIPPED VIA: *CT* DELIVERED TO: *1515521296000* ORDER NO.:

3. WELL TYPE: *01* WELL CATEGORY: *01* JOB PURPOSE: *010* WELL PERMIT NO.: *1515521296000* WELL LOCATION: *LAWIS*

4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: *20%*

RECEIVED PROPORTION COMMISSION CONSERVATION DIVISION FEB - 1994

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOG	ACCT	DF								
<i>000-117</i>						<i>MILEAGE</i>	<i>33</i>	<i>MILES</i>	<i>1</i>	<i>TRK</i>	<i>2.15</i>	<i>mil</i>
<i>001-014</i>						<i>Pump CHANGE</i>	<i>9300</i>	<i>FT</i>	<i>1</i>	<i>TRK</i>		<i>575</i>
<i>030503</i>						<i>TOP Plug</i>	<i>1</i>	<i>EA</i>	<i>898.12</i>			<i>95</i>

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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: *X Steve Bundy*
 DATE SIGNED: *10-6-93* TIME SIGNED: *1600*
 A.M. P.M.
 do do not require IPC (Instrument Protection). Not offered

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

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	<i>760</i>
FROM CONTINUATION PAGE(S)	<i>2205</i>
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	<i>2966</i>

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): *STEVE BUNDY* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *X Steve Bundy* HALLIBURTON OPERATOR/ENGINEER: *Doug Dyer* EMP #: *01690* HALLIBURTON APPROVAL:



HALLIBURTON
ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

TICKET No. 509523

FORM 1911 R-8

CUSTOMER				WELL				DATE		PAGE OF	
MACH PETROLEUM INC				1 ETHEL				10-06-93		2 2	
PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			U/M	U/M			
504-136		1				40/60 POZMIX W2% GEL	200	sk	5.68	1136.00	
509-406	890.50812	1				CALCIUM CHLORIDE BLENDED 3%	5	sk	28.25	141.25	
504-308	516.00261	1				STANDARD CEMENT	100	sk	6.96	696.00	
509-406	890.50812	1				CALCIUM CHLORIDE ON THE SIDE 32	3	sk	28.25	84.75	
500-306						TOTAL (KRTM)	2840			157	
500-228						ADDED MILES	32			85	
500-207						SERVICE CHARGE	106 KFT			2800	
500-306						MILEAGE CHARGE	210 316		1.35	424.17	
						TOTAL WEIGHT	33			471.6	
						LOADED MILES	447.051		.95		

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STATE CORPORATION COMMISSION
FEB - 4 1994

CONSERVATION DIVISION
Wichita, Kansas

CONTINUATION TOTAL 2205.46



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MUD CONT
PMT

BILLED ON TICKET NO. 209575

WELL DATA
FIELD _____ SEC 10 TWP 25 RNG 9w COUNTY Rawl 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 2866

CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
	<input checked="" type="checkbox"/>	23	8 1/8	KA	235	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>CPI</u>	<u>834</u>	<u>1</u>
HEAD <u>P.C</u>	<u>8 1/8</u>	<u>1</u>
PACKER		
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-6</u>	DATE <u>10-6</u>	DATE <u>10-6</u>	DATE <u>10-6</u>
TIME <u>14:00</u>	TIME <u>16:00</u>	TIME <u>16:51</u>	TIME <u>17:30</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 _____ 96 _____

ACID TYPE _____ GAL _____ 96 _____

ACID TYPE _____ GAL _____ 96 _____

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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Bigler</u>	<u>C1696</u>	<u>Pick-up 40233</u>
<u>A. Giambetti</u>	<u>C8239</u>	<u>AM TSY 52504</u>
<u>P. Tankel</u>	<u>41254</u>	<u>Bulk 3692-788</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 8 1/8 Sumps

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Steve Brady

HALLIBURTON OPERATOR Doug Eja

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./6K	MIXED LBS./GAL
	<u>200</u>	<u>6 1/2 in</u>	<u>Hydram</u>	<u>78</u>	<u>29% PZM CC, 370 CC</u>	<u>14.09</u>	<u>14.09</u>

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 15 REASON By Request

SUMMARY

PRESLUSH: BBL 5.0

LOAD & BKON: BBL-GAL _____

TREATMENT: BBL-GAL _____

CEMENT SLURRY: BBL-GAL 45.0

TOTAL VOLUME: BBL-GAL _____

DISPL: BBL 11.0

RAMARKS

SEE JOB LOG

Thanks Doug

CUSTOMER: **Mitch Petroleum** WELL NO: **1** LEASE: **Ethel** JOB TYPE: **8 1/2 SURFACE** TICKET NO: **209525**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							Called out ready now
	1600							ON location via 6750 ft
								Set up - Rig Running 8 1/2 Casing
								Casing on hole
								Work to rig mud pump
								Break circulation
								Restart circulation
								Work to Howco
								Cement as follows
	1651	5.6	31.0	✓	✓	200		Run Fresh Neo SPACER
	1652	5.6	0	✓	✓	300		Start mixing & Pumping Cement
	1700	5.6	45.2	✓	✓	350		Finish Pumping Cement
								Release Plug
	1703	4.0	0	✓	✓	200		Start Displacement
	1706	4.0	11.0	✓	✓	250		Plug Down
								Cement had to be jetted
								From Cellar to Feet only
								- Just enough -
	1730							JOB COMPLETE
								Thank you
								Call again
								Doug
								ORIGINAL

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 STATE CORPORATION COMMISSION
 FEB - 4 1994
 CONSERVATION DIVISION
 Wichita, Kansas