

ORIGINAL

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

API NO. 15- 025-211810000

County Clark

- - NW - NW Sec. 30 Twp. 34S Rge. 24 X V

Operator: License # 31560

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

Name: Maxell Operating Co., Inc.

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

Address 1675 Broadway, Suite 1060

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

City/State/Zip Denver, CO 80202

Lease Name Amos Well # 1-30

Purchaser: Aurora Natural Gas, LLC

Field Name Wildcat

Operator Contact Person: Pat Keating

Producing Formation Chester

Phone (303) 892-8860

Elevation: Ground 2006 KB 2011'

Contractor: Name: Abercrombie RTD, Inc.

Total Depth 6020' PBTD 5947'

License: 30684

Amount of Surface Pipe Set and Cemented at 683' Feet

Wellsite Geologist: Richard R. O'Donnell

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion

New Well Re-Entry Workover

If yes, show depth set Feet

Oil SWD SIOW Temp. Abd.

If Alternate II completion, cement circulated from

Gas ENHR SIGW

feet depth to w/ sx cnt.

Dry Other (Core, VSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan APP. 1 8-9-99 etc.
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

Chloride content 34,000 ppm Fluid volume 1,000 bbls

Operator: _____

Dewatering method used Evaporation

Well Name: _____

Location of fluid disposal if hauled offsite: 240 bbls free water

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Operator Name Dilco Fluid Service, Inc.

Plug Back PBTD

Lease Name _____ License No. 6652

Commingled Docket No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

Dual Completion Docket No. _____

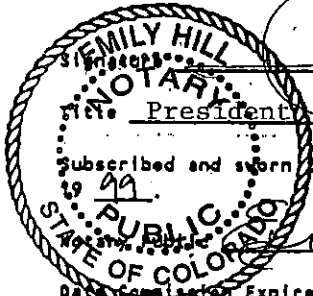
County _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

Spud Date 3-25-99 Date Reached TD 4-4-99 Completion Date 6-25-99

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-6 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.



Pat Keating

Date 7/9/99

Subscribed and sworn to before me this 9th day of July 1999.

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

Operator Name MAXWELL OPERATING CO., INC. Lease Name AMOS Well # 1-30

Sec. 30 Twp. 34S Rgs. 24W East West County CLARK

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner Shale	4328'	(-2310)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	4345'	(-2329)
List All E.Logs Run: Comp. Neutron & Density; Micro Resistivity; Array Induction, Gamma Ray Correlation Bond Log		Lansing	4490'	(-2472)
		Swope Ls.	5070'	(-3053)
		Hertha Ls.	5113'	(-3130)
		Base/Ls. - KC	5180'	(-3162)
		Marmation	5360'	(-3342)
		Cherokee	5624'	(-3603)
		Morrow	5650'	(-3633)
		Miss. Chester	6020'	(-4003)

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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"	24#	683'	65/35 poz	250	6% gel, 3% cc 1/4# flocele
					Class A	100	3% cc
Production	4 1/2"	4 1/2"	11.6#	5992'	Class H	200	10% salt, 1/4# flocele, 5% cal seal, 5% gilsonite, .5% Halad 322, 2% gel

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	5652-88'	20,000 gals	

TUBING RECORD	Size <u>2,375</u>	Set At <u>5578-</u>	Packer At <u>none</u>	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production (SWD or Inj.)	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil <u>2</u> Bbls.	Gas <u>200</u> Mcf	Water <u>120</u> Bbls.	Gas-Oil Ratio _____ Gravity _____

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

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

Production Interval _____

ORIGINAL

MAXWELL OPERATING CO., INC.

#1-30 AMOS

660' FNL, 600' FWL

Sec. 30 T34S - R24W

Clark County, Kansas

2018' K.B.

LOG FORMATION TOPS:

HEEBNER SHALE	4328'	(-2310)
TORONTO FM.	4345'	(-2329)
LANSING FM.	4490'	(-2472)
SWOPE LS.	5070'	(-3053)
HERTHA LS.	5113'	(-3095)
BASE / L.-K.C.	5148'	(-3130)
MARMATON FM.	5180'	(-3162)
CHEROKEE FM.	5360'	(-3342)
MORROW FM.	5624'	(-3606)
MISS. CHESTER FM.	5650'	(-3633)
R.T.D.	6020'	(-4003)

RECEIVED
STATE CORPORATION COMMISSION

JUL 14 1999

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

MAXWELL OPERATING CO., INC.

#1-30 AMOS

660' FNL, 600' FWL

Sec. 30 T34S - R24W

Clark County, Kansas

2018' K.B.

DRILL STEM TESTS:

DST #1 5622' - 5696' (Chester): OP30" SI60" OP60" SI120"
GTS 25", Stab @ 22.5 MCFGPD;
Rec 300' Drilling Mud;
FP 67-86# / 85-114#
SIP 1660-1723#
HP 2906-2708#

DST #2 5698' - 5785' (Chester): OP30" SI60" OP30" SI90"
Rec 210' Muddy Water;
FP 39-75# / 95-118#
SIP 1368-1433#
HP 2867-2730#

RECEIVED
STATE CORPORATION COMMISSION

JUL 14 1999

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC. ORIGINAL 9606

Federal Tax I.D.# 48-0727860

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

SERVICE POINT: Medicine Lodge

DATE <u>7-26-99</u>	SEC. <u>35</u>	TWP. <u>34s</u>	RANGE <u>24w</u>	CALLED OUT <u>2:00 AM</u>	ON LOCATION <u>5:00 AM</u>	JOB START <u>7:35</u>	JOB FINISH <u>8:10</u>
LEASE		WELL #	LOCATION <u>Englewood 1W, E/S</u>		COUNTY <u>Clark</u>	STATE <u>KS.</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Abercrombie 5" OWNER Maxwell Operating

TYPE OF JOB Surface CEMENT AMOUNT ORDERED _____

HOLE SIZE 12 1/4 T.D. 684
CASING SIZE 8 7/8 x 24" DEPTH 683
TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX 100 MINIMUM 100

MEAS. LINE _____ SHOE JOINT 30.65
CEMENT LEFT IN CSG. _____
PERFS. _____

DISPLACEMENT 42 1/2 bbls Freshwater
COMMON _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding
261-265 HELPER Steve Winsor

BULK TRUCK DRIVER Mark Brungardt
240-251

BULK TRUCK DRIVER _____

POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
HANDLING _____ @ _____
MILEAGE _____

TOTAL _____

REMARKS:

SERVICE

Pipe on bottom break circulating.
ump 3 bbls freshwater, 250 sx ALW
ump 100 sx A+3%cc cement in stop pumps.
Switch valves + Release plug. Displace with
42 1/2 bbls Freshwater. Bump plug. Shut in.

DEPTH OF JOB 683
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____
MILEAGE _____
PLUG Rubber

RECEIVED
STATE CORPORATION COMMISSION
JUL 14 1999
CONSERVATION DIVISION
Wichita, Kansas

TOTAL _____

CHARGE TO: Maxwell Operating
STREET _____
CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1. Baffle plate @ _____
2. Centralizers @ _____
1. Basket @ _____

TOTAL _____

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.

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Roger Pearson

Roger Pearson
PRINTED NAME

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Date 7-26-99 District Medicine Lake Ticket No. 9666
 Company Max Well Cementing Rig Abercrombie 5
 Lease _____ Well No. _____
 County Clark State KS
 Location Springwood KS 14 1/2 Field 3-945-2410

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 1/2 Type _____ Weight 24 Collar _____

Casing Depths: Top KB Bottom 193

Drill Pipe: Size 4 1/2 Weight 14.60 Collars _____
 Open Hole: Size 12 1/4 T.D. 189 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbls/Lin. ft. 0.137 Lin. ft./Bbl. 15.70
 Open Holes: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbls/Lin. ft. 0.235 Lin. ft./Bbl. 13.70
 Bbbls/Lin. ft. 1.58 Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: 3 1/2" Fresh Water
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
85:30 143/00 + 1/4 flt-seal Excess _____
 Amt. 250 Sks Yield 1.97 ft³/sk Density 12.5 PPG

TAIL: Pump Time _____ hrs. Type _____
Class A + 3/00 Excess _____
 Amt. 100 Sks Yield 1.12 ft³/sk Density 15.6 PPG

WATER: Lead 10.9 gals/sk Tail 5.2 gals/sk Total 27 Bbbls.

Pump Trucks Used 261-265 Shale WINSOR
 Bulk Equip. 200-251 Mark DINGBARDT

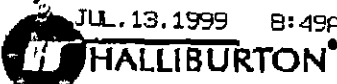
Float Equip: Manufacturer Conoco
 Shoe: Type _____ Depth _____
 Float: Type DAPEL plate Depth 152
 Centralizers: Quantity 2 Plugs Top Rubber Btm. _____
 Stage Collars _____
 Special Equip. 1 Basket
 Disp. Fluid Type Freshwater Amt. 42 1/2 Bbbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Dill Craig

CEMENTER Carl Balding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbbls Min.
5:00						on location + Rig up.	
7:25						Put on bottom, break circulation.	
		75		3	3	5	start freshwater spacer
		100		90	87	5	mix + pump 250 sk @ 35:1 + 1/4 flt-seal
		125		110	20	6	mix + pump 100 sk Class A + 3/00
7:55							Cement in stop pumps
7:56							switch valves + release plug.
7:57						3	start displacement
						3	Steady Rate
		200		148	38	3	slow Rate
8:08		100		152 1/2	43	-	Bump plug.
8:10							Start in.
							Cement did circulate ✓

RECEIVED
 STATE CORPORATION COMMISSION
 JUL 14 1999
 CONSERVATION DIVISION
 Wichita, Kansas



ORIGINAL

JOB SUMMARY 4239-1

TICKET # 48517 NO. 696
 TICKET # 4-5-99
 REGION North America
 COUNTRY Mid Continent
 SDA/STATE KS
 COUNTY Clark
 EMPLOYEE NAME D. McNamee
 PSL DEPARTMENT ZT
 OCCASION Maxwell Petroleum
 CUSTOMER REF / PHONE
 WELL TYPE 01
 APT/UVI #
 WELL LOCATION N Enale Wood
 DEPARTMENT ZT
 JOB PURPOSE CODE 035
 LEASE / WELL # AM105 1-30
 SEC / TWP / RNG 30 34S 24W

HES EMP NAME/EMP #/EXPOSURE HOURS	HRS	HES EMP NAME/EMP #/EXPOSURE HOURS	HRS	HES EMP NAME/EMP #/EXPOSURE HOURS	HRS	HES EMP NAME/EMP #/EXPOSURE HOURS	HRS
D. McNamee 106322	11						
S. Tate 105953	11						
E. Ferguson 106154	11						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420925	152						
53552-77941	152						
53823-6810	212						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 5511 4 1/2	1	H
Float Shoe		
Guide Shoe 4 1/2	1	O
Centralizers 4 1/2	8	
Bottom Plug		W
Top Plug 50 4 1/2	1	
Head P/C 4 1/2	1	C
Packer		
Other Liner Clamp 4 1/2	1	O

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	in
NE Agent	Gal.	in
Fluid Loss	Gal/Lb	in
Gelling Agent	Gal/Lb	in
Fric. Red.	Gal/Lb	in
Breaker	Gal/Lb	in
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
4-4-99	2300	4-5-99	4-5-99	4-5-99
TIME		0230	1031	1130

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	11.6	4 1/2	KB	5993	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				4 1/2 Long String
TOTAL		TOTAL		

ORDERED _____ HYDRAULIC HORSEPOWER _____
 Avall. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM _____
 Disp. _____ Overall _____
 FEET 43 CEMENT LEFT IN PIPE _____
 Reason _____ Shot Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	200	50/50 Pz	B	2% Gel, 5% Calceal, 5% Citronite, 10% Salt, 1.5% Hated-322	1150	13.8
	25	50/50 Pz	B	2% Gel	126	1.1

Circulating Breakdown	Displacement	Preflush:	Gal - BB	5-8-5-10-3	Type/Qty	BB - CC - MS
Average	Maximum	Load & Skrt:	Gal - BB		Pad:	BB - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BB		Disp:	BB - Gal 52
	5 Min	Cement Slurr	Gal - BB	1.5-5.4	Rate	Double 22
		Total Volume	Gal - BB			

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER'S REPRESENTATIVE SIGNATURE: Roger Pearson

RECEIVED
 STATE COMMISSION

JUL 14 1999

CONSERVATION DIVISION
 Wichita, Kansas

JOB LOG 423-3

NO. 696 P. 2/3
 TICKET # **48517**
 TICKET DATE **4-5-99**

REGION North America	INVA/COUNTRY Mid Continent	BOA/STATE KS	COUNTY Clark
MOU ID / EMP # 1016332	EMPLOYEE NAME D. P. ...	PSL DEPARTMENT ZI	CUSTOMER REP / PHONE
LOCATION Liberal	COMPANY Maxwell Petroleum	API / UWI #	JOB PURPOSE CODE 035
TICKET AMOUNT 5940.77	WELL TYPE 01		
WELL LOCATION U. ...	DEPARTMENT ZI		
LEASE / WELL # ...	SEC / TWP / RNG ...		

HE# EMP NAME/EMP#/EXPOSURE HOURS	HR#	HE# EMP NAME/EMP#/EXPOSURE HOURS	HR#	HE# EMP NAME/EMP#/EXPOSURE HOURS	HR#	HE# EMP NAME/EMP#/EXPOSURE HOURS	HR#
D. P. ... 106332	11						
S. T. ... 105453	11						
S. ... 106154	11						

CHART NO.	TIME	RATE (BPM)	VOLUME (BB/GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tq	Cq	
	0300							Job ready
	0230							at location, no laying down O.P.
	0530							Set up pump truck hold safety meeting
	0609							D.P. out of hole
	0747							Start running Csg & float Equip
	0759							Break Circulation
	0930							Start Csg
	0938							Break Circulation
	1007							Start Csg
	1009							Csg on bottom
	1015							Hook up PIC & Circulating Iron
	1020		5.6		✓			Start Circulating
	1030							Plug out & Monitor hole
	1038							Then Circulating
	1038							Hook up to pump truck
	1038					17300		Pressure test lines
	1032	4	5		✓	1250		Job Procedure for 4 1/2 long string
	1034	4	8		✓	230		Start Clay Size H ₂ O
	1037	4	5		✓	280		Start CC H ₂ O
	1039	4	10		✓	280		Start Clay Size H ₂ O
	1042	4	5		✓	280		Start Mud Flush
	1045	6	53.4		✓	27400		Start Clay Size H ₂ O
	1053							Start Cement @ 13.8"
	1054							Then mixing Cement
	1055							Shut down & Release Plug
	1057	9	92		✓	1175		Work up pumps & lines
	1101				✓	11500		Start Displacement
	1105	2			✓	58000		Displace most caught cement
	1107				✓	271500		Slow down rate
								Plug landed
								Release float
								float held

Thank You For Calling Halliburton

RECEIVED
 STATE ROADS & COMMISSION
 JUL 14 1999
 CONSERVATION DIVISION
 Wichita, Kansas

MID-CONTINENT NWA CEMENTING CALL FOR SALES & SERVICE
 MAKE SAFETY A CORE VALUE IN YOUR LIFE!
 PLEASE WORK & DRIVE SAFELY!



COMPANY MAXWELL PETROLEUM	OWNER SAME	DATE 4/2/99
BILLING ADDRESS 1675 BROADWAY DENVER, CO. 80202		
CONTRACTOR ABERCROMBIE #5	API	SEC, TWN, RNG SEC 30 - 34S - 24W
LEASE AMOS	WELL NO. 1-30	COUNTY/STATE CLARK/KS
RT MILEAGE 136/68		
DIRECTIONS ENGLEWOOD, KS. - 1 NORTH - EAST INTO		

SURFACE	INTER	LONG STRING YES	LINER	PLUG BACK	PTA		
SQUEEZE	WHIPSTOCK	OTHER					
CASING SIZE 4 1/2	WEIGHT 11.6	THREAD 8RD	PLUG CONT YES	SWAGE YES	CSG SWIVEL	TOP PLUG 5-WIPER	BOTTOM PLUG
TBG / DP SIZE	WEIGHT	THREAD	TD 6020'	1/2 EXCESS 25	MUD WT	HOLE SIZE 7 7/8	

NUMBER AND TYPE TRUCKS WANTED **RCM AND BULK**

REMARKS

# OF SACKS 200	TYPE 50/50 POZ PREM	ADDITIVES 2% GEL - 5% CALSEAL - 5# GILSONITE - 10% SALT
# OF SACKS	TYPE	ADDITIVES .5% HALAD-322
# OF SACKS	TYPE	ADDITIVES 13.85 LB/GAL - 1.50 CUFT/SK - 6.55 GAL/SK
# OF SACKS 25	TYPE 50/50 POZ P	ADDITIVES 2% TOTAL GEL - PLUG RATHOLE AND MOUSEHOLE
# OF SACKS	TYPE	ADDITIVES
# OF SACKS 10	TYPE SKS	ADDITIVES MUDFLUSH

SPACER TYPE CLAFIX II	QUANTITY 15 BBLs	REMARKS 5 BBLs CLAFIX WATER - 8 BBLs BRINE WATER - 5 BBLs CLAFIX
SPACER TYPE 10% BRINE	QUANTITY 8 BBLs	REMARKS WATER - 10 BBLs MUDFLUSH - 5 BBLs CLAFIX WATER

KCL 4 SKS CC	CLAYFIX II 10 GALLONS	LO-SURF	CLASTA-XP
---------------------	------------------------------	---------	-----------

CASING SIZE 4 1/2	CASING WEIGHT 11.6	THREAD 8RD	GUIDE SHOE REGULAR	LATCH DOWN PLUG & BAFFLE
--------------------------	---------------------------	-------------------	---------------------------	--------------------------

INSERT FLOAT SHOE	FLOAT SHOE	FLOAT COLLAR SSH	INSERT FLOAT
-------------------	------------	-------------------------	--------------

CENTRALIZER-QTY 8 EACH	SIZE 5 1/2	TYPE 40
-------------------------------	-------------------	----------------

WALL CLEANERS-QTY	TYPE	DV TOOL	DV PLUG SET
-------------------	------	---------	-------------

LIMIT CLAMPS 1 EACH	WELD-A 1 LB	CMT BASKET	OTHER
----------------------------	--------------------	------------	-------

REMARKS **50-48510 20-48518**

ORDERED BY: ROGER PEARSON	TIME OF CALL: 1100
CALL TAKEN BY: DON	TIME READY: W/C
CREW CALLED: MCLANE - TATE - BULK	TIME:

CMTCALL.DOC
 RECEIVED (v00(19Aug97)
 STATE GEOLOGICAL COMMISSION

JUL 14 1999

CONSERVATION DIVISION
 Wichita, Kansas