

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

API NO. 15- 051-011350001

ORIGINAL

County ELLIS

S2 - NW-SW Sec. 6 Twp. 11 Rge. 20 X ^E _W

1650 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Operator: License # 5259

Name: MAI OIL OPERATIONS, INC.

Address P.O. BOX 33

City/State/Zip RUSSELL, KS. 67665

Purchaser: NCRA

Operator Contact Person: ALLEN BANCURT

Phone (785) 483 2169

Contractor: Name: RAPID WELL SERVICE

License: 7049

Wellsite Geologist: N/A

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover:

Operator: ROBINOWITZ OIL CO.

Well Name: SCHNEIDER "A" #1

Comp. Date 3-18-60 Old Total Depth 3681

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. D-27,611

6-15-98 6-20-98 7-7-98
Spud Date Date Reached TD Completion Date

Lease Name WHISMAN Well # 2

Field Name TRICO

Producing Formation ARBUCKLE

Elevation: Ground 2052 KB 2057

Total Depth 3850' PBDT 3850'

Amount of Surface Pipe Set and Cemented at 235' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3680'

feet depth to SURFACE w/ 475 sx cmt.

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

ALT II WFM 9-29-06

Chloride content 18000 ppm Fluid volume 400 bbls

Dewatering method used HAULED TO SWD

Location of fluid disposal if hauled offsite:

Operator Name MAI OIL OPERATIONS, INC.

Lease Name RICHARDS License No. 5259

NE Quarter Sec. 6 Twp. 11 S Rng. 20 E ^W

County ELLIS Docket No. D-26,924

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 Allen Bancurt

Title PRODUCTION SUPERINTENDENT Date 1-7-99

Subscribed and sworn to before me this 7th day of January, 19 99.

Notary Public Verna May Hutchings

Date Commission Expires April 10, 2001

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

VERNA MAY HUTCHINGS
State of Kansas
Appt. Exp. 4-10-2001

Operator Name MAI OIL OPERATIONS, INC. Lease Name WHISMAN Well # 2

Sec. 6 Twp. 11 Rge. 20 East West
 County ELLIS

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" 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	TOPEKA	3097	-1040
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	3307	-1250
List All E.Logs Run:		TORONTO	3327	-1270
		LKC	3346	-1289
		BKC	3568	-1511
		SIMPSON SH	3639	-1582
		SIMPSON SD	3645	-1588
		ARBUCKLE	3651	-1602
		TD	3850	-1793

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	N/A	235'	N/A	N/A	N/A
PRODUCTION	7 7/8"	8 1/2"	14	3680'	MIDCONII	475	2% CC
							1/4 PPS FLOCELE

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	3657-			
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	3725	COMMON	50	HALAD 322

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	3657-61, 3661-65, 3666-70	2000 gal. HCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
		2 3/8"	3620	3620	
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)			
7-15-98					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) Other (Specify) SWD 3725-3850'



HALLIBURTON ENERGY SERVICES

MAI operations

ADDRESS

CITY STATE ZIP CODE

15-051-01135.00.01

No.

398475-24

ORIGINAL

PAGE 1 OF 2

1906-Q

SERVICE LOCATIONS: MOHAP 022025

WELL-PROJECT NO: 2

LEASE: Whisman

COUNTY/PARISH: Ellis

STATE: KS

CITY/OFFSHORE LOCATION: Wellstight

DATE: 6-2-98

OWNER: MAI

TICKET TYPE: SERVICE SALES

NITROGEN JOB? YES NO

CONTRACTOR: Rapid Well Service

RIG NAME/NO: 01

SHIPPED VIA: CT

DELIVERED TO: Wellstight

ORDER NO: 6-115-20W

WELL TYPE: 11

WELL CATEGORY: 01

JOB PURPOSE: 195 075 085

WELL PERMIT NO: Ellis KS

WELL LOCATION: 6-115-20W

INVOICE INSTRUCTIONS:

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	DF		U/M	U/M	PRICE		
	000-117		1			MILEAGE	50 mi		365	182	50
	009-134	009-019	1			Pump Service	3725 ft		2112	00	2112 00
	116-816		1			Operator Service Charge	8 hr		460	00	460 00
	128-546		1			Squeeze Manifold	1 EA		342	00	342 00

RECEIVED
STATE CORPORATION COMMISSION
JAN 13 1999
CONSERVATION DIVISION
Wichita, Kansas

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.

TYPE LOCK

SUB SURFACE SAFETY VALVE WAS PULLED & RETURN PULLED RUN

PAGE TOTAL: 3096 50

BEAN SIZE: FROM CONTINUATION PAGE(S): 953 10

DEPTH: TUBING SIZE: TUBING PRESSURE: WELL DEPTH:

SPACERS: TREE CONNECTION: TYPE VALVE: SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 4049 60

DATE SIGNED: TIME SIGNED: A.M. P.M.

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

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): GAIL Palmberg 41489

HALLIBURTON OPERATOR/ENGINEER EMP #

HALLIBURTON APPROVAL



JOB SUMMARY 4239-1

TICKET # 390713 ORIGINAL

REGION North America	NWA/COUNTRY midcontinent	BDA / STATE KS	COUNTY Ellis
MBU ID / EMP # MCHA0104 41489	EMPLOYEE NAME Gail Palmberg	PSL DEPARTMENT 5002 5001	
LOCATION Hays 25525	COMPANY Mai Operations	CUSTOMER REP / PHONE Allen Bangett	
TICKET AMOUNT 4050	WELL TYPE 11	API / UWI # 15-051-01135.00-01	
WELL LOCATION Ellis KS	DEPARTMENT 5001	JOB PURPOSE CODE 195 075 085	
LEASE / WELL # LWhisman 2	SEC / TWP / RNG 6-11s-20W		

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
G Palmberg 41489 6 1/2	E Reynolds 47558 4		
R Berens 57220 6			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
41326	69						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type RTS Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth 3725

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
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
6-2	0500	0750	0815	1430

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	u		5 1/2	0	3680	
Liner						
Liner						
Tbg/D.P.	u		2 7/8	0		
Tbg/D.P.						
Open Hole				3680	3725	SHOTS/FT.
Perforations				3657	3670	
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
6-2	6 1/2	6-2	6	RUN RTS SQUEEZE OPEN HOLES AND perforations
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	STD	B	3/4% HALAD-322	1.18	15.0
	25	STD	B		1.18	15.0

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal <u>19</u>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI <u>10.5</u>	
		Total Volume Gal - BBI _____	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____

RECEIVED
 STATE COMPOSITION COMMISSION
 JAN 13 1999
 CONSERVATION DIVISION
 Wichita Kansas

REGION North America	NWA/COUNTRY midcontinent	BDA / STATE KS	COUNTY Ellis
MBU ID / EMP # MCHA0104 41489	EMPLOYEE NAME Gail Palmberg	PSL DEPARTMENT 5002 5001	
LOCATION Hays 25225	COMPANY Mai Operations	CUSTOMER REP / PHONE Allen Bangert	
TICKET AMOUNT 4050	WELL TYPE 11	API / UWI # 15-051-01135-00-01	
WELL LOCATION Ellis KS	DEPARTMENT 5001	JOB PURPOSE CODE 195 075 085	
LEASE / WELL # Whisman 2	SEC / TWP / RNG 6-11s-20w		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS G Palmberg 41489	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS E Reynolds 47558	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
R Bolens 57220			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0500							Called out
	0750							On location
	0815							DISCUSS JOB
	0910							START RTTS in hole 4 1/2" tail pipe 125'
	0920	11						SET up Equipment
	0940							TAG TO RTTS @ 3600' TAIL PIPE @ 372.5'
								Circulating casing full of water
			5					Hole loaded
			6					SPOT CEMENT
			15					25 SKS STD 3/4% HALAD .322
								25 SKS STD
								Displacement
	1005		24					Pull tbg tail pipe @ 3300' WASH UP EQUIP.
	1015					500		RTTS @ 3175' Reverse hole clean
	1017	1/2			700			PRESSURE ANNULUS
	1030		7		1800			START DISPLACEMENT
	1035	7 1/2			1400			HESITATE SQUEEZE
	1055	8			1500			HESITATE SQUEEZE
	1110	8 1/4			1500			HESITATE SQUEEZE
								FILL ANNULUS
	1130	8 1/2			1500			HESITATE SQUEEZE
	1215				1500			SQUEEZED
								Circulate hole
								Pull tbg RTTS
	1300							Back up Equipment
								Job completed

 RECEIVED
 JAN 13 1990
 CONSERVATION DIVISION
 Wichita Kansas

Thank you
 Gail, Ron & Eldon



HALLIBURTON ENERGY SERVICES
HAL-1906-P

CHARGE TO

MAI OPERATIONS

ADDRESS

CITY, STATE, ZIP CODE

RECEIVED COPY

RECEIVED

STATE

No.

TICKET

196540 - 3

ORIGINAL

JAN 13 1998

15-051-01135-0001

PAGE 1 OF 2

SERVICE LOCATIONS 1. HAYS, KS	WELL/PROJECT NO 2	LEASE WHISMAN	COUNTY/PARISH ELLIS	STATE KS	CITY/OFFSHORE LOCATION Wichita, Kansas	DATE 6-20-98	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR PAPA WELL SERVICE	RIG NAME/NO	SHIPPED VIA 53293	DELIVERED TO LOCATION	ORDER NO
3.	WELL TYPE	WELL CATEGORY 01	JOB PURPOSE 01	WELL PERMIT NO	WELL LOCATION 035		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE		RTM	50	MI	3.65	182.50
001-016		1			PUMP SERVICE			3680	FT	1938.00	1938.00
030-016		1			5W - TOP PLUG			1	EA	66.00	66.00
018-315		1			MUDFLUSH			500	Gal	83	415.00
314-163		1			CLAYEX II			1	Gal	32.65	32.65
12A	825.205	1			REGULAR GUIDE SHOE			1	EA	133.00	133.00
24A	815.19251	1			INSERT FLOAT VALVE (NO FILLUP)			1	EA	133.00	133.00
40	806.60022	1			CENTRALIZERS S-4			4	EA	70.00	280.00
320	806.71430	1			CEMENT BASKETS			3	EA	122.00	366.00

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 X <i>Allen Bandy</i> DATE SIGNED: 6-20-98 TIME SIGNED: 1800 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> 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 3546.15 FROM CONTINUATION PAGE(S) 9011.73 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 17557.88
	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	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
	WELL DEPTH	ARE YOU SATISFIED WITH OUR SERVICE?		<input type="checkbox"/> YES <input type="checkbox"/> NO				
	TREE CONNECTION	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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL			
	<i>Allen Bandy</i>	WAVE WATSON	29377				



JOB SUMMARY 4239-1

TICKET #	196540	TICKET DATE	6-20-18
BDA / STATE	KANSAS	COUNTY	ELLIS
PSL DEPARTMENT	ZZ		
CUSTOMER REP / PHONE	15-051-01135-00-01		
API / UWI #	035		
JOB PURPOSE CODE	035		

REGION	North America	NWA/COUNTRY	MEX COZUECO
MBU ID / EMP #	NA0101 89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS KS	COMPANY	MAE OPERATIONS
TICKET AMOUNT	12557.88	WELL TYPE	
WELL LOCATION	N/ELLIS, KS	DEPARTMENT	ZZ
LEASE / WELL #	WHISMAN 2	SEC / TWP / RNG	

ORIGINAL

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
WILSON 89377			
ASH E1609			
KUHJ 51361			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	30						
53293M	30						
3859-76103	30						

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		
Float Shoe INSERT FLOAT	1	HOWCO
Guide Shoe	1	"
Centralizers S-4	4	"
Bottom Plug		
Top Plug SW	1	"
Head PC	1	"
Packer		
Other BASNETS	3	"

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
	6-20	6-20	6-20	6-20
TIME	1330	1630	2030	2300

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	V	15.5	5 1/2	0	3680	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	3680	3681	SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
6-20	6 1/2	6-20	2 1/2	CMT 5 1/2" CASING RECEIVED STATE CORPORATION COMMISSION JUN 18 10 00 CONSERVATION DIVISION Wichita, Kansas
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER
 ORDERED Avail. Used
AVERAGE RATES IN BPM
 TREATED Disp. Overall
CEMENT LEFT IN PIPE
 FEET 23' Reason INSERT

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
LD	350	MINDLOW II	B	290 cc, 1/4 # FLOCURE DISK	3.11	11.1
TL	125	"	"	"	1.58	14

Circulating _____	Displacement _____	Preflush: Gal - BBI 12 / 10	Type MUD / CONC.
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal 87
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 193.9 - 35.2 = 229.1	
		Total Volume Gal - BBI	

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
THE INFORMATION STATED HEREIN IS CORRECT			
CUSTOMER'S REPRESENTATIVE SIGNATURE			



JOB LOG 4239-5

TICKET #	196540	TICKET DATE	6-20-98
BDA / STATE	KANSAS	COUNTY	ELLIS
PSL DEPARTMENT	ZI	ORIGINAL	
CUSTOMER REP / PHONE			
API / UWI #	15.051.01135.00.01	JOB PURPOSE CODE	
		035	

REGION	North America	NWA/COUNTRY	MID CONTINENT
BUILD #	HA101 89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS, KS	COMPANY	MAX OPERATIONS
CHECK AMOUNT	12557.88	WELL TYPE	01
WELL LOCATION	N/ELLIS, KS	DEPARTMENT	ZI
LEASE / WELL #	WHSMAJ 2	SEC / TWP / RNG	

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
WILSON 89377							
ASH E1609							
KUHN S1361							

HAR NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1330							CALLED OUT
	1630							ON LOCATION - DISCUSS JOB PROCEDURE
	2030							BREAK CIRCULATION - MUD PUMP
1	2106	6	12		✓	300		PUMP MUDFLUSH
		6	10		✓	300		PUMP CLAYFLIX II PREFLUSH
	2110	6 1/2	0		✓	300		MIX CEMENT
	2145		229.1			150		FINISH MIXING CEMENT
	2146							WASH OUT PUMP + LINES
	2147							RELEASE PLUG
	2150	5	0		✓			DISPLACE PLUG
	2207		87			700		PLUG DOWN
								CIRCULATE 10 SWS CEMENT TO POT
						1200		RELEASE PSI
						OK		FLOAT HELD
								WASH UP
								PACK UP
	2300							JOB COMPLETE

Wayne Wilson
Phil G. Smith
Allen Barrett

RECEIVED
 STATE ENVIRONMENTAL COMMISSION

JAN 13 1998

CONSERVATION DIVISION
 Wichita, Kansas

THANK YOU

WAYNE, DAVE, RICH