

FORM MUST BE TYPED

ORIGINAL

SIDE ONE

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

Operator: License # 31251

Name: Wabash Energy Corporation

Address P.O. Box 595

City/State/Zip Lawrenceville, IL 62439

Purchaser: Texaco Trading & Transport

Operator Contact Person: Larry Whitmer

Phone ( 618 ) 945-3365

Contractor: Name: Abercrombie RTD, Inc

License: 30684

Wellsite Geologist: John Hastings

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIG

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

If Workover:

Operator: N/A

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

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

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBD

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

02-24-98 03-03-98 3-10-98

Spud Date Date Reached TD Completion Date

API NO. 15- 171-20,529 - 4000 APR 09 1998

County Scott

SW SE - NW Sec. 12 Twp. 18S Rge. 32  E  W

1985 Feet from S  (circle one) Line of Section

1933 Feet from E  (circle one) Line of Section

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

Lease Name Schowalter Well # 2

Field Name \_\_\_\_\_

Producing Formation Cherokee

Elevation: Ground 2964' KB 2969'

Total Depth 4633' PBD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 305.55 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2293 Feet

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

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

Drilling Fluid Management Plan R# 11 EN 12-02-02  
(Data must be collected from the Reserve Pit)

Chloride content 6,000 ppm Fluid volume 1280 bbls

Dewatering method used Evaporation

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

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 [Signature]  
Title President Date 3/24/98

Subscribed and sworn to before me this 24<sup>th</sup> day of March, 19 98.

Notary Public Tracy Rusher

Date Commission Expires 2/24/2000

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)		



SIDE TWO

Operator Name Wabash Energy Corporation Lease Name Schowalter Well # 2

Sec. 12 Twp. 18S Rge. 32  East  West  
 County Scott

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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite (Base)	2310	+659
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Howard	3615	-646
List All E.Logs Run: <u>Dual</u> <u>Neutron Density</u>		Topeka	3656	-687
		Oread	3843	-874
		Hoebner	3895	-926
		Lansing	3943	-974
		Muncie Creek	4112	-1143
		Stark Shale	4205	-1236
		Hushpuckney	4242	-1273
		Base KC	4285	-1316
		Marmaton	4328	-1359
		Pawnee	4411	-1442
		Ft. Scott	4443	-1474
		Up Cherokee Sh	4455	-1486
		Lo Cherokee Sh	4482	-1513
		Cherokee Lime	4546	-1577

CASING RECORD <input checked="" 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"	20#	305.55	60/40 pos	200	2% gel, 3% cc
Production	7 7/8	5 1/2	15.5#	4629.23	EA-2	150	18% 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	4546.5 to 4551.5	Acidize w/500 gal	
		15% Acid	

TUBING RECORD		Size <u>2 3/8 EUE</u>	Set At <u>4592'</u>	Packer At <u>None</u>	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SLD or Inj. <u>3-11-98</u>		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil <u>100 Bbls.</u>	Gas <u>Mcf</u>	Water <u>0 Bbls.</u>	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: \_\_\_\_\_



**JOB LOG**

REGION North America	NWA/COUNTRY	TICKET # 19310.76	TICKET DATE 3-4-98
MBU ID / EMP #	EMPLOYEE NAME WILLIAM WILSON	BDA / STATE VIRGINIA	COUNTY SCOT
LOCATION 01377	COMPANY WALDEN ENERGY CORP.	PSL DEPARTMENT	CUSTOMER REP / PHONE RELEASED
TICKET AMOUNT 19310.76	WELL TYPE	API / UWI #	JOB PURPOSE CODE 151705210000
WELL LOCATION	DEPARTMENT	SEC / TWP / RNG 025	APR 09 1999
LEASE / WELL #	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 57377			
ALH 51804			
WILSON 71012			

**ORIGINAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBB)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1700							CALLER OUT
	2400							ON LOCATION - DISCUSS JOB PROCEDURE
	6330							- PULLING O.P. - START CASING 2nd WELL
	0600							DROP BALL - BREAK CIRCULATE - ROTATE CASING - MUD PUMP
1	0712	6	12		✓		350	PUMP MUDFLUSH
	0714	6	20		✓		350	PUMP CAYTEX II FLUSH
	0718	6	38.5		✓		250	MIX CEMENT
	0728							WASH OUT PUMP - LEAKS
	0730							RELEASE 1ST STAGE PLUG
	0733	7	0		✓		500	DISPLACE PLUG (54.5 H <sub>2</sub> O) (54.5 MUD)
	0750	3	109.1				1200	PLUG DOWN (SHOT OFF ROTARY & 104 BBL)
	0752							OK RELEASE PST - HEAD
	0800							DROP DV OPENING PLUG - LOAD 2nd STAGE PLUG
	0814				✓		600	OPEN DV TOOL CIRCULATE WELL
	0815	6	20		✓		300	PUMP CAYTEX II FLUSH
	0822							PLUG RUN - WAIT ON WATER TANK TO FILL
	0902	6 1/2	155.3		✓		250	MIX CEMENT
	0907							WASH OUT PUMP - LEAKS
	0930							RELEASE 2nd STAGE CLOSING PLUG
	0932	5	0		✓		500	DISPLACE PLUG
	0947		54.6					PLUG DOWN (SHOWED 61 BBL IN TANK)
	0948						2000	PST UP CLOSE DV TOOL
	0955							RELEASE PST - HEAD
								CIRCULATE 15 SKS CEMENT TO BIT
								WASH UP PICK UP FINISH TICKETS
	1100							JOB COMPLETE

THANK YOU  
WILSON, DAVID, DAC



JOB SUMMARY 4239-1

TICKET #	1676	TICKET DATE	3-4-98
BDA / STATE	KANSAS	COUNTY	SCOTT
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	LARRY WHITMER	RELEASED	
API / UWI #	15171205290000	APR 09 1999	
JOB PURPOSE CODE	035		

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	HAD01 89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS, KS	COMPANY	WARASH ENERGY CORP.
TICKET AMOUNT	19310.76	WELL TYPE	01
WELL LOCATION	SCOTT CITY, KS 6E, 1/2N, W3	DEPARTMENT	CEMENT
LEASE / WELL #	SCHOWALTER 2	SEC / TWP / RNG	12-18S-32W

FROM CONFIDENTIAL

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 81609			
HENRY 71010			

ORIGINAL

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	226						
53293M	226						
3258 SCALE TRAZER	226						
51252-7613	226						

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

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TIME	3-3	3-3	3-4	3-4
	1700	2400	0600	1100

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar FDLUP	1	HOWCO
Float Shoe	1	"
Guide Shoe		
Centralizers S-4	6	"
Bottom Plug		
Top Plug PLUG SET	1	"
Head PC	1	"
Packer DV TOOL	1	"
Other BASKETS	2	"

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLO
Casing	N	15.5	5 1/2	KR	4629.23	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	4629.23	4633	SHOTS/FT
Perforations						
Perforations						
Perforations						

**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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
3-4	11	3-4	3	CMT 5 1/2" 2 STAGE
				CENTRALIZERS-13,8,10,54'S
				BASKETS-5, 5' BELOW DV
				D.V. e 2293-96 TOP 155
TOTAL		TOTAL		

**HYDRAULIC HORSEPOWER**

Ordered \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

Treated \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_ Overall \_\_\_\_\_

Feet 46.56 CEMENT LEFT IN PIPE \_\_\_\_\_ Reason RAFFLE

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	150	EA-2	B	5% UNISAL, 5# GELWATE P/SK, 18% SALT, 18% FLOCC, 12% HAWK 322	1.44	15.13
2	270	MID CONTI	B	2% CC, .375# FLOCC P/SK	3.23	11.2

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal (BB) 2/20 20 Type MUDFIL/CEMENT  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI Pad: BBI - Gal  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI Disp: (BB) - Gal 107.1/54.4  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal (BB) 38.5 1ST 155.3 2nd  
 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 \_\_\_\_\_



HALLIBURTON

HALLIBURTON ENERGY SERVICES

INVOICE CONTINUATION  
RELEASED

INVOICE # 196676

Truck# (s)		CUSTOMER			WELL		DATE		PAGE	
4842-8208		Wahash Energy			Schowalter #2		4:03 PM 3/3/98		2	
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M			
504-308				40	Standard Cemerit	150	sk	\$12.13	\$1,819.50	
504-280					Mid Con II	270	sk	\$14.17	\$3,825.90	
509-406					Calcium Chloride	5	sk	\$46.90	\$234.50	
509-968					Salt	1350	lb.	\$0.18	\$243.00	
507-775					HALAD-322	71	lb.	\$7.70	\$546.70	
507-210					Flocele	120	lb.	\$2.09	\$250.80	
50127				60	Cal Seal	7	sk	\$28.00	\$196.00	
508-291					Gilsonite	750	lb.	\$0.58	\$435.00	
RECEIVED AUG 13 1998 SCHEDULED BY SHAW Wichita, Kansas										
500-207				40	SERVICE CHARGE		CUBIC FEET	497	1.66	\$825.02
500-306				50	MILEAGE CHARGE		TOTAL WEIGHT	43,886		
							LOADED MILES	50		
							TON MILES	1097.150	1.25	\$1,371.44

ORIGINAL

FROM CONFIDENTIAL  
APR 09 1999  
RELEASED

CONTINUATION TOTAL  
\$ 9,741.00

No. B 660279



**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

CHARGE TO  
**WARREN ENERGY CORP.**  
 ADDRESS  
**P.O. BOX 595**  
 CITY STATE ZIP CODE  
**LAWRENCEVILLE, IL 62439**

RELEASED

TICKET

APR 09 1999 No.

196676 - 7

FROM CONFIDENTIAL

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>1142, KS</b>	WELL/PROJECT NO. <b>2</b>	LEASE <b>SCHWALTER</b>	COUNTY/PARISH <b>SCOTT</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>3-4-98</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES	CONTRACTOR <b>ABERCOMBIE DRIL.</b>	RIG NAME NO	SHIPPED VIA <b>53293</b>	DELIVERED TO <b>LOUSTON</b>	ORDER NO
3.	<input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO	WELL TYPE	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO <b>15 171 205290000</b>	WELL LOCATION <b>S T R 12 - 18s - 32w</b>
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		50	MILEAGE		100	RM	1	3.65	365.00
007-013	001-016	1		50	PUMP SERVICE 1 <sup>ST</sup> STAGE		4629	FT	6	2181.00	2181.00
007-161		1		50	PUMP SERVICE 2 <sup>ND</sup> STAGE TOP-SS		2243	FT		1875.00	1875.00
012-315		1		40	MUDFLUSH		500	GAL		83	415.00
012-303		1		40	CLAYEX II		4	GAL		30.50	122.00
26	847.6309	1		40	INSERT VALVE FLOAT SINK RECEIVED		1	EA	5/2"	416.00	416.00
27	815.19313	1		40	FALL UP UNIT		1	EA		87.00	87.00
40	806.60221	1		40	CENTRALIZERS 5-4 AUG 13 1998		6	EA		70.00	420.00
320	806.77130	1		40	BASKETS		2	EA		122.00	244.00
71	813.56215	1		40	CEMENTER - TYPE P 55		1	EA		2884.00	2884.00
75	813.16510	1		40	PLUG SET - FREE FALL - 2 STAGE		1	EA		541.00	541.00
66	806.72030	1		40	CUMP-LOMIT - 5/2 HEXED		1	EA		12.90	12.90

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: **3-4-98** TIME SIGNED: **0500**  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?

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

AGREE UN-DESIDED DIS-AGREE

FROM CONFIDENTIAL

APR 09 1999

RELEASED

PAGE TOTAL: **9562.90**

FROM CONTINUATION PAGE(S): **9747.8**

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: **19310.7**

**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>LARRY WILDMER</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>X [Signature]</b>	HALLIBURTON OPERATOR/ENGINEER <b>WAYNE WILSON</b>	EMP # <b>84377</b>	HALLIBURTON APPROVAL
---	--	--	-----------------------	----------------------



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

CHARGE TO

ADDRESS **WARREN ENERGY CORP.**

CITY, STATE, ZIP CODE

RELEASED

APR 09 1999

No.

TICKET

196676 - 7

PAGE 1 OF 2

FROM CONFIDENTIAL

SERVICE LOCATIONS 1. <b>WAS, KS</b>	WELL/PROJECT NO. 2	LEASE <b>SCHWARTZ</b>	COUNTY/PARISH <b>SCOTT</b>	STATE <b>KS</b>	CITY OFFSHORE LOCATION	DATE <b>3-4-98</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>ADRIASMTG DRIL</b>	RIG NAME NO. <b>5293</b>	SHIPPED VIA <b>LOUSTON</b>	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO. <b>15171205190000</b>	WELL LOCATION <b>S 12 - T 18s - R 32w</b>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-117		1			MILEAGE	100	MC	1	UNIT	365.00
007-013	001-016	1			PUMP SERVICE 1 <sup>ST</sup> STAGE	4629	FT	6	UNITS	2181.00
007-161		1			PUMP SERVICE 2 <sup>ND</sup> STAGE TOP-SS	2293	FT			1875.00
012-315		1			MUD FLUSH	500	GAL			415.00
012-303		1			CLAYTEX II	4	GAL			122.00
26	247-6318	1			INSERT VALVE FLOAT SHADE RECEIVED	1	EA	5 1/2"		416.00
27	215-19313	1			FRL UP UNIT	1	EA			271.00
40	806-10022	1			CENTRALIZERS 2-1/4 AUG 9 3 1994	6	EA			420.00
320	806-77430	1			BASKETS CONSERVATION DIVISION Wichita, Kansas	2	EA			244.00
71	813-56215	1			CEMENTER - TYPE P ES	1	EA			2884.00
75	813-16510	1			PLUG SET - FREE FALL - 2 STAGE	1	EA			541.00
66	806-72030	1			CLAMP-LIMIT - 5/8 HEXCO	1	EA			12.90

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

X *[Signature]*  
DATE SIGNED: **3-4-98** TIME SIGNED: **0500**

A.M.  
 P.M.

do not require IPC (Instrument Protection).  Not offered

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 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

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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

FROM CONFIDENTIAL

PAGE TOTAL **9562.9**

FROM CONTINUATION PAGE(S) **0919**

RELEASED

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE **19310.7**

**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) X <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <b>WAYNE WILSON</b>	EMP # <b>84277</b>	HALLIBURTON APPROVAL
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**JOB SUMMARY** 4239-1

TICKET #	196676	TICKET DATE	3-4-98
BDA / STATE	KANSAS	COUNTY	SCOTT
PSL DEPARTMENT	CEMENT	CUSTOMER REP / PHONE	LARRY WHITMER
API / UWI #	15171205290000	RELEASED	
DEPARTMENT	CEMENT	JOB PURPOSE CODE	035

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	HA0101 89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS, KS	COMPANY	WARASH ENERGY CORP.
TICKET AMOUNT	19310.76	WELL TYPE	Q1
WELL LOCATION	SCOTT COY, KS 6 E 1 1/2 N, W3	DEPARTMENT	CEMENT
LEASE / WELL #	SCHOWALTER 2	SEC / TWP / RNG	12-18S-32W

APR 09 1999

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			FROM CONFIDENTIAL
ASH 81609			
HENRY 71010			

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	226						
53293 m	226						
3258 SCALE TRAZER	226						
5152-7613	226						

ORIGINAL

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

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	3-3	3-3	3-4	3-4
TIME	1700	2400	0600	1100

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar FALUP	1	HAWCO
Float Shoe	1	"
Guide Shoe		
Centralizers S-4	6	"
Bottom Plug		
Top Plug PLUG SET	1	"
Head PC	1	"
Packer DV TOOL	1	"
Other BASKETS	2	"

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	KB	4629.23	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	4629.23	4633	SHOTS/FT.
Perforations						
Perforations						
Perforations						

**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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
3-4	11	3-4	3	CMT 5 1/2" 2 STAGE
				CENTRALIZERS-13,8,10,5,4,3
				BASKETS-5, 5' BELOW D.V.
				D.V. @ 2292-96 TOP #55
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**  
 ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 TREATED \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 FEET 46.56 Reason RAFFLE

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	150	EA-2	B	5% ONCAL, 5% GARDOLITE P/SK, 18% SACT, 1/8% FLOCC, 1/2% HAWAD 322	1.44	15.13
2	270	MID CONT II	B	2% CC, .375% FLOCC P/SK	3.23	11.2

Circulating _____	Displacement _____	Preflush: _____	Gal - (BB) 12/20 20	Type MUDFRESH / CRYSTAL
Breakdown _____	Maximum _____	Load & Bkdn: _____	Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI	Disp: (BB) Gal - 109.1/54.6
Shut In: Instant _____	5 Min _____	Cement Slurr _____	Gal - (BB) 38.5 (1ST)	155.3 2 <sup>nd</sup>
	15 Min _____	Total Volume _____	Gal - BBI	



Hays Hays



CALL FOR SERVICE AND SALES HAL-0070-F

COMPANY Wabash Energy DATE ..  
 CONTRACTOR Abercrombie TOWN OR FIELD 12-18<sup>S</sup>-32<sup>W</sup>  
 LEASE Schowalter WELL NO. 2 COUNTY Scott MILEAGE 50/100  
 DIRECTIONS Scott City 6 E To Rodeo Rd, 1/2 N into RELEASED

APR 09 1999

FROM CONFIDENTIAL

PUMPING SERVICE

SURFACE  INTERMEDIATE  LONG STRING  LINER  PLUG BACK  PLUG TO ABANDON  
 SQUEEZE  ACID  OTHER 2 STAGE

CASING SIZE 5 1/2 THREAD 8RD TUBING SIZE \_\_\_\_\_ PLUG CONTAINER X SWAGE X CSG SWIVEL XX N.C. TOP PLUG Plug set  
 NUMBER AND TYPE TRUCKS WANTED RCM / 01 Bulk Trucks BOTTOM PLUG \_\_\_\_\_  
 REMARKS LOAD 660 one POT 200 MIDCON, one POT 150 EA-2, Jerk TRCR 70 MIDCON HOLE SIZE \_\_\_\_\_  
 MUD WEIGHT \_\_\_\_\_

MATERIALS

BOTTOM CEMENT	# OF SACKS <u>150</u>	TYPE <u>EA-2</u>	ADDITIVES <u>5% Calseal, 5 lb Gilsontite/BK, 18% Salt, 1/8" Floccs, 1/2% Halad 322</u>
	# OF SACKS	TYPE	ADDITIVES <u>15.13#/gal 1.44 cu FT SK</u>
TOP	# OF SACKS <u>270</u>	TYPE <u>MIDCON II</u>	ADDITIVES <u>2% CC, .375 Floccs mix AT 11.2#/gal 3.23 cu FT SK</u>
	# OF SACKS	TYPE	ADDITIVES
	# OF SACKS	TYPE	ADDITIVES
SPACER OR FLUSH	QUANTITY <u>500</u>	TYPE <u>MUD FLUSH</u>	REMARKS
OTHER	QUANTITY <u>4</u>	TYPE <u>Cl Fix II</u>	REMARKS <u>FOR 40 BBL PreFlush 20 Behind mud Flush on Bottom Stage</u>
REMARKS	<u>20 Ahead of CMT on Top Stage</u>		

TESTING & TOOLS SERVICE

TYPE JOB	TOOL
CASING SIZE	CASING WEIGHT
CASING GRADE	PACKER DEPTH
SIZE AND TYPE DRILL PIPE OR TUBING	MUD WEIGHT
WIRELINE SETTING TOOL	TUBING TESTER
STINGER	JARS
MECHANICAL SETTING TOOL	
SWIVEL	OTHER
SQUEEZE MANIFOLD	
REMARKS	

SALES ITEMS

CASING SIZE <u>5 1/2</u>	CASING WEIGHT	THREAD <u>8RD</u>
GUIDE SHOE	FLOAT SHOE <u>1VFS w/Auto Fill</u>	FLOAT COLLAR
CENTRALIZERS - NUMBER <u>6</u>	SIZE <u>5 1/2 x 7 7/8</u>	INSERT FLOAT VALVE
WELL CLEANERS - NUMBER	TYPE	DV TOOL <u>ES Type P + Free Fall Plug set</u>
LIMIT CLAMPS <u>1 ea</u>	WELD-A	OTHER <u>3 Cement Baskets</u>
REMARKS		

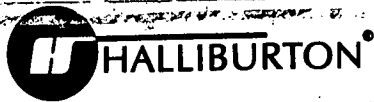
ORDERED BY Larry whitmer TIME OF CALL 0730 3-3-98  
 CALL TAKEN BY Lenny TIME READY F.E. 0100 3-4-9  
 OPERATOR OR DRIVER CALLED Wayne To Catch Job Requested by Larry whitmer Wayne Dave TIME PAC

NO ORIGINAL

SALE

CONFIDENTIAL

Handwritten signatures and initials at the bottom of the page.



**JOB LOG** 4239-5

TICKET #	196676	TICKET DATE	3-4-98
BDA / STATE	KANSAS	COUNTY	SCOTT
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	LARRY WILTZER		
API / UWI #	151710590000		
JOB PURPOSE CODE	025		RELEASED

REGION	North America	NWA/COUNTRY	MEXICO
MBU ID / EMP #	89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	WABASH ENERGY CORP.	COMPANY	WABASH ENERGY CORP.
TICKET AMOUNT	19310.76	WELL TYPE	OH
WELL LOCATION	SCOTT COUNTY, KS 66124, W	DEPARTMENT	CEMENT
LEASE / WELL #	SCHWARTZ 2	SEC / TWP / RING	12-17E-22W

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 1809			
HENRY 7130			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBB)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1700							CALLS OUT
	2400							ON LOCATION - DISCUSS JOB PROCEDURE - PULLING D.P. - START CASING IN WELL
	6330							DROP BALL - BREAK CIRCULATION - ROTATE CASING - MUD PUMP
1	0600							PUMP MUDFLUSH
	0712	6	12		✓	350		PUMP CUYFOX II FLUSH
	0714	6	20		✓	350		MIX CEMENT
	0718	6	38.5		✓	250		WASH OUT PUMP - LEWES
	0728							RELEASE 1ST STAGE PLUG
	0730							DISPLACE PLUG (54.5 H <sub>2</sub> O)(54.6 MUD)
	0733	7	0		✓	500		PLUG DOWN (SHUT OFF ROTARY & 104 BELLS)
	0750	3	109.1			1200		OK RELEASE PSZ - HELD
	0752							DROP IN OPENING PLUG - LOAD 2ND STAGE PLUG
	0800							OPEN BY TOOL
	0814				✓	600		CIRCULATE WELL
	0815	6	20		✓	300		PUMP CUYFOX II FLUSH
	0822							PLUG RH - WAIT ON WATER TALK TO FILL
	0902	6 1/2	155.3		✓	250		MIX CEMENT
	0927							WASH OUT PUMP - LEWES
	0930							RELEASE 2ND STAGE CLOSING PLUG
	0932	5	0		✓	500		DISPLACE PLUG
	0947		54.6					PLUG DOWN (SHOWED 61 BELLS BY TALK)
	0948					2000		PSZ UP CLOSE BY TOOL
	0955							RELEASE PSZ - HELD
								CIRCULATED 15 SKS CEMENT TO PSZ
								WASH UP
								RACK UP
								FINISH TICKETS
	1100							JOB COMPLETE

ORIGINAL

*Wayne Wilson*  
*Anthony M. Abendrombio*  
*L. W. Wilcox*

STATE RECEIVED

THANK YOU  
WAYNE, DAVE, PAC



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

TICKET NO 196676

Truck# (s)		CUSTOMER			WELL		4 02 PM		PAGE
5846-8236		Wabash Energy			Schowalter #2		3/3/98		2
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M		UNIT PRICE	AMOUNT
		LOC	ACCT.	DF					
504-308					Standard Cement	150	sk	\$12.13	\$1,819.50
504-280					Mid Con. I	270	sk	\$14.17	\$3,825.90
509-406					Calcium Chloride	5	sk	\$46.90	\$234.50
509-968					Salt	1350	lb.	\$0.18	\$243.00
507-775					HALAD-322	71	lb.	\$7.70	\$546.70
502-210					Flocele	120	lb.	\$2.09	\$250.80
508-127					Cal Seal	7	sk	\$28.00	\$196.00
508-291					Gilsonite	750	lb.	\$0.58	\$435.00
500-207					SERVICE CHARGE	CUBIC FEET	497	1.66	\$825.02
500-306					MILEAGE CHARGE	TOTAL WEIGHT	43,886	LOADED MILES	50
						TON MILES	1097.150	1.25	\$1,371.44

ORIGINAL

RECEIVED  
STATE OF KANSAS  
AUG 13 1999  
CONSERVATION DIVISION  
Topeka, Kansas

FROM CONFIDENTIAL

RELEASED  
APR 10 9 1999

No. B 660279

CONTINUATION TOTAL \$ 9,747.86