

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5249  
 Name: Osborn Heirs Company  
 Address P. O. Box 39  
12-28-98  
 City/State/Zip Kendall, Kansas 67257  
 Purchaser: Greeley Gas Company  
 Operator Contact Person: Art Childers  
 Phone ( 316 ) 373-2701  
 Contractor: Name: Chevenne Drilling  
 License: 5382  
 Wellsite Geologist: None

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: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
 8-17-98                      8-19-98                      9-01-98  
 Spud Date                      Date Reached TD                      Completion Date

API NO. 15- 093-21629-0000  
 County Kearny  
 - NW - SW - NE Sec. 10 Twp. 24S Rge. 38  B  
4,030 Feet from  N (circle one) Line of Section  
2,310 Feet from  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE SE, NW or SW (circle one)  
 Lease Name Wiatt - Enslow Well # 2  
 Field Name Hugoton  
 Producing Formation Hugoton Chase  
 Elevation: Ground 3,291' KB 3,297'  
 Total Depth 2,875' PBSD 2,824'  
 Amount of Surface Pipe Set and Cemented at 225 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 2,869'  
 feet depth to surface w/ 575 sx cmt.  
 Drilling Fluid Management Plan Att. 2, 12-31-98 U.C.  
 (Data must be collected from the Reserve Pit)  
 Chloride content 57,000 ppm Fluid volume 1,200 bbls  
 Dewatering method used Evaporation and hauling of free water.  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name Osborn Heirs Company  
 Lease Name Duvall SWD License No. 5249  
SE Quarter Sec. 30 Twp. 24 S Rng. 38  E/W  
 County Kearny Docket No. D-20,120

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 28 1998  
OPERATING DIVISION  
Wichita, Kansas

**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 Arthur B. Childers  
 Title Engineer Date 12-22-98  
 Subscribed and sworn to before me this 22 day of Dec  
1998.  
 Notary Public Becky Grusing  
 Date Commission Expires 4-17-02

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

**BECKY GRUSING**  
 Notary Public - State of Kansas  
 My Appt. Expires 4-17-02

SIDE TWO

Operator Name Osborn Heirs Company Lease Name Wiatt - Bnslow Well # 2  
 Sec. 10 Twp. 24S Rge. 38  East County Kearny  
 West

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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	Herrington - Krider	2,525'	+ 772'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield	2,579'	+ 718'
		Towanda	2,623'	+ 674'
		Port Riley	2,679'	+ 618'

List All E.Logs Run:  
 Spectral Density Dual Spaced Neutron II  
 Compensated Spectral Natural Gamma Ray  
 High Resolution Induction

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"	23	225'	Premium Plus	200	2% CaCl2 1/4#/sx. flocele
Production	7-7/8"	5-1/2"	14	2,869'	Premium Plus	475	1/4#/sx. flocele
					Premium Plus	100	1/4#/sx. flocele, 0.6% Halad-322

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	Herrington - Krider 2,534' - 2,542'	3,000 gallons 7-1/2% HCl w/ 180 1.1 SG ball sealers
4	Winfield 2,580' - 2,588'	Fracture with 33,600 gallons 25# linear gel, 28,000
4	Winfield 2,597' - 2,602'	gallons 70 quality N2 foam, 10,000 gallons 65 quality N2 foam, containing 9,000# 40-70, and 27,000 20-40
4	Towanda 2,627' - 2,631'	sand, and 104,000# 12-20 sand

TUBING RECORD	Size 2-3/8"	Set At 2,693'	Packer At ---	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 12-10-98	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 Bbls. -----	Gas Mcf 200	Water Bbls. 46	Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 2,534' to 2,631'  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_ overall

38-1009

8-2-2009

REGION North America	NWA/COUNTRY U.S.A.	BDA / STATE KS.	COUNTY Rush
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
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	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
J. ELLIOTT 3-1314				
J. S. JONES 3-2319				
T. CLARK 4-4009				

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	09:00							CALLED OUT READY 1300
	12:00							DEPART BASE
	12:35							ON LOCATION
	13:45							START Csg
	13:52							Circ w/ R99
	14:00							HOOK to HALLIBURTON
	14:01	4.7	47			250		START Cmt @ 14:8
	14:11					100		DROP PLUG
	14:12	2	11.4			0		START DISPLACEMENT
	14:17					100		PLUG DOWN
	14:17					800		Release BACK FLOW HOLDING
	14:18					0		Job Complete
								RECEIVED WAVE CORPORATION COMM. S. UNIT DEC 23 1938 CONSERVATION DIVISION Wichita, Kansas
								13 BBLs Cmt to PET 62 SRS Cmt to PET ✓
								THANK YOU FOR CALLING Halliburton Robert E. Clew



HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO: Osborn Heirs.  
 ADDRESS: P.O. Box 34  
 CITY, STATE, ZIP CODE: Kennett KS 67857

CUSTOMER COPY

No.

TICKET

384090 - 3

ORIGINAL

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <u>025540</u>	<u>2B</u>	<u>WIAH CASSIUM</u>	<u>KPARRY</u>	<u>KS</u>	<u>LAKSA</u>	<u>8-19-98</u>	<u>Sume</u>
2. <u>025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Cheyenne</u>	RIG NAME/NO. <u>8</u>	SHIPPED VIA <u>Home</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	<u>02</u>	<u>01</u>	<u>035</u>		<u>LAND</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
	<u>000-117</u>		<u>1</u>			<u>MILEAGE</u>	<u>RIT</u>	<u>43</u>	<u>mi</u>	<u>1</u>	<u>3.65</u>	<u>156.95</u>
	<u>000-117</u>		<u>1</u>			<u>CRW mileage</u>	<u>RIT</u>	<u>43</u>	<u>mi</u>	<u>1</u>	<u>2.15</u>	<u>92.45</u>
	<u>001-016</u>		<u>1</u>			<u>PUMP charge</u>		<u>6</u>	<u>hr</u>			<u>1798.00</u>
	<u>020-016</u>		<u>1</u>			<u>TOP PLUG</u>		<u>1</u>	<u>EA</u>	<u>5 1/2</u>	<u>hr</u>	<u>66.00</u>
	<u>045-050</u>		<u>1</u>			<u>COMPACT</u>		<u>1</u>	<u>JOB</u>			<u>760.00</u>

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.

X Arthur R. Childers  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL	<u>2873</u>	<u>40</u>
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)	<u>13185</u>	<u>160</u>
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	<u>16059</u>	<u>00</u>
SPACERS	TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE		

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Arthur R. Childers</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Arthur R. Childers</u>	HALLIBURTON OPERATOR/ENGINEER <u>Tyro Dany</u>	EMP # <u>F4550</u>	HALLIBURTON APPROVAL
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## TERMS AND CONDITIONS

(1296)

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, Inc. (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



# ORIGINAL TICKET CONTINUATION

TICKET No. **384009**

HALLIBURTON ENERGY SERVICES

CUSTOMER: **OSBORN HEIRS**

WELL **Watt-Enlow** 20  
 10:16 AM  
 8/17/98  
 PAGE **2** OF **2**

Truck# (s)	PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY U/M		UNIT PRICE	AMOUNT
			LOG	ACCT	DE		QTY	U/M		
	504-050					Premium Plus	200	sk	\$15.69	\$3,138.00
	509-406					Calcium Chloride	4	sk	\$46.90	\$187.60
	507-210					Flocele	50	lb.	\$2.09	\$104.50
	500-207					SERVICE CHARGE				
						MI	CUBIC FEET	211	1.66	\$350.26
						CHARGE	TON MILES			
	500-306					MI	TOTAL WEIGHT	19,170	1.25	\$515.19
						CHARGE	LOADED MILES	43		
							TON MILES	412.155		

RECEIVED  
 STATE CONSERVATION COMMISSION  
 1 DEC 28 1998  
 CONSERVATION DIVISION  
 Wichita, Kansas

No. B 330078

CONTINUATION TOTAL \$ 4,295.55

## JOB SUMMARY

ORDER NO. 70006

TICKET #	384090	TICKET DATE	8-19-98
BDA / STATE	KJ	COUNTY	hearny
PSL DEPARTMENT	ZI	CUSTOMER REP / PHONE	ACT CHILDREN
API / UWI #		JOB PURPOSE CODE	035

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	McL10103	EMPLOYEE NAME	Tyce Davis
LOCATION	Liberal	COMPANY	OSBORN HARRIS
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	Land	DEPARTMENT	ZI
LEASE / WELL #	W194 EASLOW 2B	SEC / TWP / RNG	9-24-38

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
T. Davis F4550							
B. McMillan H2308							
E. Tol H4569							
B. Huffman H9692							

  

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54038-7877941	43						
52947-6612	43						
52827-75237	43						

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		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug 5W 5 1/2	1	HOWCO
Head 1.0	1	" "
Packer		
Other		

### MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
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
8-19-98	0800	8-19-98	8-19-98	8-19-98
			1530	1630

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N.	14	5 1/2	KB	2869	
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	
				CMT 5 1/2 L.D.
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	HYDRAULIC HORSEPOWER	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Disp.	Overall
FEET 44	CEMENT LEFT IN PIPE	Reason	SJ

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	475	PF LF	B	1% CC 1/4" Floclp. .2% H9196 9 .3% CFT3, 1/4" DAI	2.06	12.3
1	100	PF	B	1% CC 1/4" Floclp. .6% H9196 322	1.32	14.2

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI Gal 69
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI 174 L.C	23.5 H.C
	15 Min	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: *Art E. Hill*

TICKET #	TICKET DATE
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
DEPARTMENT	JOB PURPOSE CODE
SEC / TWP / RNG	

REGION North America	NWA/COUNTRY
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0700							Called out for job
	1110							On loc Riv Logg. HX
	1250							Start 5 1/2 csg & F.E
	1420							csg on box hook up 5 1/2 p.c. & line from
	1430							back into well
	1435							Call to pit
	1515							cmf on loc
	1523							They call hook up to pit
	1526	6.5	174			270		Pump 475x pt at 12.3 <sup>1/2</sup> gal
	1553	6.0	23.5			170		Pump 100x pt at 14.2 <sup>1/2</sup> gal
	1558	0	197.5			0		Shut down deep plug wash up
	1602	6.0	69			200		Pump 0.50
	1602	6.0	69			200		0 bbls in cmf to pit
	1613	2.0	69			570		60 bbls in sio rate
	1617	2.0	69			<del>750</del> 1500		Land plug x
	1618	0	69			<del>1500</del>		Kaplan float - Held
	1620	0	69			0		Job over
								Thanks for calling HES.
								Liberal KJ
								TYCA station & crew
								69 bbl cmf to pit ✓
								1585x cmf to pit





HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO: OSBORN HEETS  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

CUSTOMER COPY

No.

TICKET

384009 - X

ORIGINAL

PAGE 1 OF 2

1. <u>025540</u>	WELL/PROJECT NO. <u>2A</u>	LEASE <u>WEATT-ENSLOW</u>	COUNTY/PARISH <u>KEARNY</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>8-17-98</u>	OWNER <u>Same</u>
2. <u>025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CHEYENNE DRG</u>	RIG NAME/NO. <u>#8</u>	SHIPPED VIA <u>HES</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
	<u>000-119</u>					MILEAGE	<u>1</u>	<u>U</u>	<u>43</u>	<u>M</u>	<u>3 65</u> <u>156 95</u>
	<u>000-119</u>					<u>CREW MILEAGE</u>	<u>1</u>	<u>U</u>	<u>43</u>	<u>M</u>	<u>2 15</u> <u>92 45</u>
	<u>001-616</u>					<u>Pump CHARGE</u>	<u>4</u>	<u>Hr</u>	<u>225</u>	<u>VF</u>	<u>11030 00</u>
	<u>045-050</u>					<u>PORTABLE DATA SYSTEM</u>	<u>1</u>	<u>Tool</u>	<u>1</u>	<u>EA</u>	<u>760 00</u>
						<u>1149 MTR</u>					
						<u>CONSERVATION DIVISION</u>					
						<u>Wichita, Kansas</u>					
	<u>248</u>	<u>815-19508</u>				<u>INSERT FLOAT VALVE</u>	<u>8 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>237 00</u>
	<u>27</u>	<u>815-19415</u>				<u>Fill Tube</u>			<u>1</u>	<u>EA</u>	<u>81 00</u>
	<u>41</u>	<u>806-61048</u>				<u>CENTRALIZER</u>			<u>3</u>	<u>EA</u>	<u>71 40</u> <u>214 20</u>
	<u>030-078</u>					<u>5 WTPER Top Plug</u>			<u>1</u>	<u>EA</u>	<u>143 00</u>
	<u>350</u>	<u>890-10802</u>				<u>WELD-A</u>	<u>1</u>	<u>1/6</u>	<u>1</u>	<u>EA</u>	<u>18 43</u>

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.

X Wade L Taylor  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
SPACERS	TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>WADE L TAYLOR</u>	CUSTOMER OR CUSTOMER'S AGENT SIGNATURE X <u>Wade L Taylor</u>	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
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## TERMS AND CONDITIONS

(1296)

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, Inc. (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



# ORIGINAL TICKET CONTINUATION

TICKET No 354090

HALLIBURTON ENERGY SERVICES

CUSTOMER	OSBORN HEIRS	WELL	2B	TIME	1:11 PM	PAGE	2	OF	2
		WIATT-ENLOW		DATE	8/19/98				

Truck# (s)	52287-75237
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PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING		DESCRIPTION	QTY		UNIT PRICE	AMOUNT	
		EQC	ACCT. OF		SYM	U/M			
504-050				Premium Plus	100	sk	\$15.69	\$1,569.00	
504-120				Premium Plus HLC	475	sk	\$12.90	\$6,127.50	
509-406				Calcium Chloride	5	sk	\$46.90	\$234.50	
507-775				HALAD-322	56	lb.	\$7.70	\$431.20	
507-210				Flocele	144	lb.	\$2.09	\$300.96	
507-153				CFR-3	124	lb	\$6.15	\$762.60	
507-970				D-AIR-1	119	lb.	\$4.27	\$508.13	
507-665				Halad-9	83	lb	\$9.75	\$809.25	
500-207				SERVICE CHARGE		CUBIC FEET	595	1.66	\$987.70
500-306				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	1.25	\$1,454.76
					54,131	43	1163.806		

No. B 330086

CONTINUATION TOTAL	\$ 13,185.60
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