

ORIGINAL

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

Operator: License # 30793

Name: Energy Marketing, Inc.

Address: c/o Colt Resources

15 W. 6th Street

City/State/Zip Tulsa, OK 74119

Purchaser: _____

Operator Contact Person: Mark Reichardt

Phone (918) 583-1600

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: ~~Arden Retzlaff~~ Jerry Smith

Designate Type of Completion

- New Well Re-Entry Workover
- XX
- Oil SWD S10W Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, MSW, Expl., Cathodic, etc)

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

- Deepening Re-perf. Conv. to Inj/SWD
- Plug Back PBTD
- Commingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

09-27-94 10-05-94 11-11-94

Spud Date 09-27-94 Date Reached TD 10-05-94 Completion Date 11-11-94

API NO. 15- 077-21,286-00-00

County Harper

C - SW - SE - Sec. 4 Twp. 31 Rge. 9 X E

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

1980 Feet from E/W (circle one) Line of Section

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

Lease Name Beth Freeland Well # 2-4

Field Name Spivey-Grabs

Producing Formation Mississippi

Elevation: Ground 1690' KB 1698

Total Depth 4550' PBTD 4518

Amount of Surface Pipe Set and Cemented at 274 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan ALT 1 87 12-14-95
(Data must be collected from the Reserve Pit)

Chloride content 20,000 ppm Fluid volume 160 bbls

Dewatering method used Haul-off

Location of fluid disposal if hauled offsite: _____

Operator Name Rice Engineering

Lease Name Catlin License No. 5006

Quarter 2 Sec. 30 S Rng. 7 E/W

County Kingman Docket No. 7122

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Mark Reichardt

Title Sr. Operations Engineer

Date DEC 29 1994

Subscribed and sworn to before me this 29th day of December

19 94

Notary Public Joann Fry

Date Commission Expires 4/14/96

RECEIVED
STATE CORPORATION COMMISSION
12-01-94

DEC 29 1994

NOTARY PUBLIC
JOANN FRY

NOTARY PUBLIC
STATE OF OKLAHOMA
TULSA COUNTY

Comm Exp. 4-14-96

K.C.C. OFFICE USE ONLY

- F Letter of Confidentiality Attached
- C Wireline Log Received
- C Geologist Report Received

- KCC SWD/Rep NGPA
 - KGS Plug Other
- (Specify)

OCT 17 1994

SIDE TWO

Operator Name Energy Marketing, Inc. Lease Name Beth Freeland Well # 2-4
 Sec. 4 Twp. 31 Rge. 9 East County Harper
 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 Datum	<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	B-KC	4241	-2543
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cherokee	4384	-2686
List All E.Logs Run:		Mississippi Chat	4442	-2744
		Mississippi Lime	4529	-2831
Dual - Induction Density-Neutron				

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"	20#	274'	60/40 poz	175	2% gel 3% cc.
Production	7-7/8"	5 1/2"	15.5#	4548'	50/50 poz	235	10% salt 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
4	4448 - 94	3000 gal acid	

TUBING RECORD	Size <u>2-7/8"</u>	Set At <u>4514'</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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>11.55</u> Bbls.	Gas <u>25</u> Mcf	Water <u>0</u> Bbls.	Gas-Oil Ratio <u>2.2</u>
				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 _____



CEMENTING LOG

STAGE NO.

ORIGINAL

Date 9-27-94 District Med. Logs, Ks. Ticket No. 0787
 Company EMT/COIT W.S. Corp Rig Duke #2
 Lease FRESLAND Well No. 2-4
 County HASLER State KANSAS
 Location KEYSTONE church 1/2 - 1/2 Field _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type DPW Weight 24 Collar LONG

LEAD: Pump Time _____ hrs. Type 60/40, 2% Gal
3760 Excess _____

Amt. 175 Sks Yield 1.26 ft³/sk Density 14.8 PPG _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

WATER: Lead 5.6 gals/sk Tail _____ gals/sk Total 23.25 Bbls. _____

Casing Depths: Top 8 5/8 278 Bottom _____

Pump Trucks Used 266 CARL B

Bulk Equip. 257/252 MARIA B

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 278 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6054
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Shoe: Type OPEN SWEED Depth 278

Float: Type 15' CEMENT IN PIPE Depth 263

Centralizers: Quantity _____ Plugs Top SURFACE Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type FRESH H₂O Amt. 16.75 Bbls. Weight 8.34 PPG _____

Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE GARY PUGH

CEMENTER NEAL Rupp

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls/Min.	
						ARRIVED ON LOC 1:30P
						Hold Safety Meeting - Rig up
						12 1/4 TO 278'
						BREAK CIRCULATION - Rig Pump
						CIRCULATE
3:40	100					Rig up to Discharge
	100					START SLURRY
3:45						SLURRY IN - SHUT DOWN
3:59	250				7	SWITCH VALVES - RELEASE PLUG
3:54			39.25	39.25		START DISPLACEMENT
3:55					2	INC RATE
	200		7	5	4	CEMENT TO SURFACE
	250		14	7	2	SLOW RATE
4:00	250		16.75	2.75		SHUT DOWN - SHUT IN
	0					RELEASE PST
RECEIVED						
STATE CORPORATION COMMISSION						
DEC 01 1994						
CONSERVATION DIVISION WICHITA, KANSAS						

FINAL DISP. PRESS: 250 PSI BUMP PLUG TO 250 PSI BLEEDBACK SHUT IN BBLs.



ALLIED CEMENTING CO., INC.

0787

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

ORIGINAL

SERVICE POINT:

Madame Ledge Ks.

DATE <u>9-27-94</u>	SEC. <u>4</u>	TWP. <u>S15</u>	RANGE <u>9W</u>	CALLED OUT <u>12:00P</u>	ON LOCATION <u>1:30P</u>	JOB START <u>3:30</u>	JOB FINISH <u>4:00</u>
LEASE <u>Fireland</u>	WELL# <u>2-4</u>	LOCATION <u>Keystone Church 1w, 1/2 W INTO</u>			COUNTY <u>HARPER</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Drilling Co. Inc. Reg # 1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 278
 CASING SIZE 8 5/8 DEPTH 278
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____

OWNER EMI/Colt Resources Corp
CEMENT

AMOUNT ORDERED 175 sk 60/40, 2% Gel, 3% CC

EQUIPMENT

PUMP TRUCK CEMENTER Neal R.
 # 366 HELPER Carl B
 BULK TRUCK
 # 257/252 DRIVER Mark B.
 BULK TRUCK
 # _____ DRIVER _____

COMMON 105 @ _____
 POZMIX 70 @ _____
 GEL 3 @ _____
 CHLORIDE 6 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 HANDLING @ _____
 MILEAGE _____

TOTAL _____

REMARKS:

SERVICE

ran 8 5/8 to 278' cemented with 175 sk 60/40, 2% gel, 3% CC - Displaced Plug to 263ft with 16.75 BB's Fresh H₂O Shut in Cement did circulate!

DEPTH OF JOB 278'
 PUMP TRUCK CHARGE _____ 430.00
 EXTRA FOOTAGE @ _____
 MILEAGE @ _____
 PLUG Top Surface 8 5/8 @ _____
 @ _____
 @ _____

TOTAL _____

CHARGE TO: Duke Drilling Co. Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

@ _____
 @ _____
 @ _____
 @ _____
 @ _____

TOTAL _____

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

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.

SIGNATURE [Signature]

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.

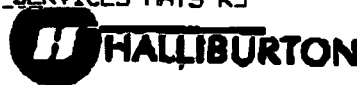
WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to 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.



ORIGINAL P.F. 57

JOB LOG HAY-2010-C

CLIENT E M I	WELL NO. 2-4	LOCAL Free land	JOB TYPE Long string	DATE 10-5-94	PAGE NO. 1
			TEST NO. 741430		

START TIME	RATE	VOLUME (GAL)	PLUGS		DESCRIPTION OF OPERATION AND MATERIALS
			T	G	
07:00					On Location
07:45					Run Float Equipment Cont - 1-5-72 10-13-16 Basket - see 57
10:00					Casing on Bottom
10:15					Break Circulation
10:35					Hook up to Pump Truck
10:45	7	0			450 Start ClFix Water
10:52	7	20			450 Start Super Flush
10:58	7	32			450 Start SPACER (ClFix water)
12:00		37			- Start Mixing cont 13.62 th
12:07		3.7			- Plug Rathole 153K
12:08		6.2			- Plug Mouse hole 103K
12:09	6.0				400 Start cont Downhole
12:22	5.0	57.0			200 Finish Mixing
12:25					- Wash out Pump/Lines
12:26					- Release Plug
12:27	8.0				200 Start Displacement
12:34	8.0	55.1			350 Cement on Bottom
12:40	5.0	105.0			750 Decrease Rate
12:42		107.9			1200 Land Plug
12:43					- Release P.S.F
12:45					- Float held
12:50					Wash up Truck
13:00					Job Complete
					Thanks
					Glen, Larry Mike

ORIGINAL

P. 2



HALLIBURTON ENERGY SERVICES

HALLIBURTON

CHARGE TO: **EMI / Colt Resources**
 ADDRESS: **15 W 6th ST**
 CITY/STATE/ZIP CODE: **Tulsa OK 74119**

TICKET No. **741430**
 DATE: **10-5-94**
 WELLS: **Same**

WELL/PROJECT NO.	2-4	LEASE	F-Retail	COUNTY/TOWNSHIP	HARPER	STATE	KS	CITY/OFFSHORE LOCATION		DATE	10-5-94	ORDER NO.	Same
WELL TYPE	SALES	CONTRACTOR	DUKE D-19	RID/RAMPED	# 1	SHIPPED VIA	CT	DELIVERED TO	Location	DATE	10-5-94	ORDER NO.	Same
WELL CATEGORY	01	WELL PURPOSE	1-sting	WELL PERMIT NO.	035	WELL LOCATION							
INVOICE INSTRUCTIONS													

PRICE REFERENCE	SECONDARY REFERENCES PART NUMBER	ACCOUNTING LOC ACCT	DESCRIPTION	QTY.	UNIT	QTY.	UNIT	UNIT PRICE	AMOUNT
000-117			MILEAGE	90	mi	1		2.75	247
001-016			Pump Charge	6 hrs	hrs	45	hr		1965
030-018			5W Plug	1	ea			1	65
018-317			Super Flush	12	SKS	1		100.00	1200
	806.10022	1	Centralizers	6	ea	5 1/2 in		44.00	264
	12A 825.205	1	Guide Shoe	1	ea	5 1/2 in		1	12
	24A 815.19251	1	Insert Float Valve	1	ea	5 1/2 in		1	11
	27 815.19313	1	Auto Fillup Tube	1	ea	5 1/2 in		1	5
	320 806.70030	1	Basket	1	ea	5 1/2 in		1	11
	314-163	1	CLAFIX II	5	gal			24.00	120

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 10-5-94 **TIME SIGNED** 06:00 **BY** Ryan PAM

DATE SIGNED **DATE SIGNED**

CHANGED BY CUSTOMER'S AGENT (PLEASE PRINT) Gary Sharp

CHANGED BY CUSTOMER'S AGENT (SIGNATURE) Gary Sharp

WELL NUMBER OR CEMAC NUMBER 85826 **WELL LOCATION APPROVAL** by

SUB-TOTAL 799

APPLICABLE TAXES WILL BE ADDED

GRAND TOTAL 4055

FRUIT CONTINUATION PAGE(S) 394

1992

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HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION

Mid Cent

HALLIBURTON LOCATION

Pratt

TELLED ON TICKET NO.

741430

WELL DATA

FIELD 4 TWR 315 RING 9L COUNTY Hooper STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

NETRAL PROD. OIL _____ OPI. WATER _____ OPI. GAS _____ MCFD _____

PRESENT PROD. OIL _____ OPI. WATER _____ OPI. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

RACKER TYPE _____ SET BY _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MEAS. DATA _____ TOTAL DEPTH _____

NEW LOGS	WEIGHT	SIZE	FROM	TO	MARKED BY
4	15.5	5 1/2"	KB	4547	

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MARK
FLATHEAD INSERT 5 1/2"	1	HE.S
FLAT SHOE		
GUIDE SHOE REG 5 1/2"	1	"
CONTROLLERS 9-4 5 1/2"	6	"
BOTTOM PLUG		
TOP PLUG SW AL 5 1/2"	1	"
HEAD		
BARREL		
OTHER BASKET 5 1/2"	1	"

ORDER CUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
10-5 TIME 01:00	10-5 TIME 04:00	10-5 TIME 07:30	10-5-99 TIME 13:00

MATERIALS

TRUST FLUID _____ DENSITY _____ LB/CAL. AM

DEPL. FLUID _____ DENSITY _____ LB/CAL. AM

PROP. TYPE _____ SIZE _____ LB

PROP. TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ G

ACID TYPE _____ GAL _____ G

ACID TYPE _____ GAL _____ G

SURFACTANT TYPE _____ GAL _____ IN

HEAVY AGENT TYPE _____ GAL _____ IN

FLUID LOSS AGENT TYPE _____ GAL. LB _____ IN

GELLING AGENT TYPE _____ GAL. LB _____ IN

FINE RES. AGENT TYPE _____ GAL. LB _____ IN

BREAKER TYPE _____ GAL. LB _____ IN

BLOCKING AGENT TYPE _____ GAL. LB _____

SEALING BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. Byerly 85826	79601 P.H.	Pratt KS
G. Garush 62123	52507 RCM	"
M. Gilyard 50948	4413 Bulk	"

DEPARTMENT Cement

DESCRIPTION OF JOB 5 1/2" Long string

JOB DONE THRU TUBING CASING ANNULAR TIE/BACK

CUSTOMER REPRESENTATIVE X Long Sharp

HALLIBURTON OPERATOR Alan Byerly COMES REQUESTED _____

CEMENT DATA

STAGE	RANGE OF BAGS	COMENT	BRAND	BULK BAGGED	ADDITIONS	YIELD CU FT. / LB.	WATER LB. / GAL.
	235	50/50	Poz	B	22.66, 10% Salt, 5% S.I., 25% Hyd-322	1.41	13.62

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MATHSON _____

AVERAGE _____ FRACTURE GRADIENT _____

SPLIT-OR PERCENT _____ HYDRAULIC HORSEPOWER _____

GRINDERS _____ AVAILABLE _____ USED _____

TREATING _____ OVERALL _____

NET 17.86 REASON Shoe off.

SUMMARY

VOLUMES

RECLAMATION GAL	<u>25.12</u>	TYPE	<u>Class water/suppl</u>
LOAD & BRUSH GAL		PSI	GAL
TREATMENT GAL		DISPLACEMENT	<u>107.9</u>
CEMENT QUANTITY GAL	<u>59.0</u>		
TOTAL VOLUME GAL			

REMARKS

Cent - 1-4-7-10-13-16

BASKET ON #7

EASTERN
 STATE
 F-Res 1000
 VILLAGE 2-4
 COSTUMER Long string
 DATE 10-5-99



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

TICKET No. 741430

ORIGINAL

UNIT NUMBER	ACCOUNT NUMBER	ACQUANT	DESCRIPTION	UNIT PRICE	AMOUNT
504-130		1	50/50 POLYMER W28 GR.	6.19	1,584.65
508-293	516.00337	1	GILSONITE BLENDED 5%	1.00	479.10
509-968	516.00158	1	SALT BLENDED 10%	1.15	182.10
507-775	516.00144	1	BARAD-322 BLENDED .75%	7.00	1,001.00
500-207		1	LOADED ON TRUCK 04413-SPLIT	1.85	372.60
500-306		1	TRUCK SERVICE	1.85	469.12
TOTAL					3,947.37

No. B 246149

CONTINUATION TOTAL 3947 37