

ORIGINAL

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

API NO. 15- 055-21698-0001  
County Finney  
- E/2 - SW - NE Sec. 5 Twp. 26S Rge. 34 X X W  
3300 Feet from S (circle one) Line of Section  
1500 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Operator: License # 5293  
Name: Helmerich & Payne, Inc.  
Address 1579 E. 21st Street  
City/State/Zip Tulsa, OK 74114

Lease Name Kephart Well # 1  
Field Name Wildcat  
Producing Formation None  Dry Hole  
Elevation: Ground 2666' KB  
Depth 5250' PBDT  
Amount of Surface Pipe Set and Cemented at 1900 Feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set          Feet

Purchaser:  
Operator Contact Person: Sharon LaValley  
Phone (918) 742-5531  
Contractor: Name: Cheyenne Drilling  
License: 5382

CONSERVATION DIVISION  
Wichita, Kansas  
OCT 25 2002

If alternate II completion, cement circulated from           
feet depth to          w/          sx cmt.

Wellsite Geologist: BRAD RINE  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan DAA 9/24 10/16/02  
(Data must be collected from the Reserve Pit)  
Chloride content 4000 est ppm Fluid volume 1000 est bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite:         

If Workover:  
Operator:           
Well Name:           
Comp. Date          Old Total Depth           
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Commingled  Docket No.           
 Dual Completion  Docket No.           
 Other (SWD or Inj?)  Docket No.           
10-2-00 10-11-00 10-12-00  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

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 Sharon LaValley  
Title Eng. Tech Date 10/23/00  
Subscribed and sworn to before me this 23rd day of October,  
20 00.  
Notary Public Debra Jayne Hurd  
Date Commission Expires August 17, 2002

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

Operator Name Helmerich & Payne, Inc. Lease Name Kephart Well # 1  
 Sec. 5 Twp. 26S Rge. 34  East  West  
 County Finney

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Name	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample Datum
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3844'	-867'
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Toronto	3860'	-883'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3893'	-916'
List All E.Logs Run:		KC A	4304'	-1326'
Induction, Neutron, Microlog, Sonic		Marmaton	4466'	-1489'
		Pawnee	4556'	-1579'
		Atoka	4812'	-1825'
		Morrow Sh	4870'	-1893'
		Chester Lm	4981'	-2004'
		St. Louis	5072'	-2095'

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	24	1900'	PP HLC C Prem Plus	560 150	2% CC +1/4# Flocele
Production	None						

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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 <input checked="" type="checkbox"/> Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
	Dry Hole			Depth

TUBING RECORD	Size NA	Set At	Packer At	Liner Run	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	D&A		Producing Method		
Estimated Production Per 24 Hours	Oil <u>NA</u> Bbls	Gas <u>NA</u> MCF	Water <u>NA</u> Bbls.	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval: \_\_\_\_\_

Other (Specify) \_\_\_\_\_

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

**ORIGINAL**  **HALLIBURTON**

COMPANY <b>CHEYENNE DRILLING</b>	OWNER <b>H &amp; P</b>	DATE <b>10/3/00</b>
BILLING ADDRESS		

CONTRACTOR <b>CHEYENNE #3</b>	API	SEC, TWN, RNG <b>SEC. 5-26S-34W</b>
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LEASE <b>KEPHART</b>	WELL NO. <b>#1</b>	COUNTY/STATE <b>HASKELL CO, KS</b>	RT MILEAGE <b>60/30</b>
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DIRECTIONS **SUBLETTE, KS-- NORTH ON HWY 83 TO PLYMEL SCHOOL, CONTINUE 1 NORTH TO PARALLEL ROAD, WEST ON PARALLEL ROAD TO CURVE, CONTINUE 2.8 WEST ON GRAVEL, 3/4 SOUTH, EAST TO LOCATION.**

QUOTE: **20491131 SO-913647 KB-913648**

SURFACE <b>XXXX</b>	INTER	LONG STRING	LINER	PLUG BACK	PTA		
SQUEEZE	WHIPSTOCK	OTHER					
CASING SIZE <b>8 5/8</b>	WEIGHT <b>24#</b>	THREAD <b>8 RD</b>	PLUG CONT <b>YES</b>	SWAGE <b>YES</b>	CSG SWIVEL	TOP PLUG <b>PLASTIC</b>	BOTTOM PLUG
TBO / DP SIZE	WEIGHT	THREAD	TD <b>1950 FT</b>	% EXCESS <b>70%</b>	MUD WT	HOLE SIZE <b>12 1/4</b>	

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

REMARKS

# OF SACKS <b>560</b>	TYPE <b>PP HLC C</b>	ADDITIVES <b>2% CC, 1/4# FLOCELE</b>
# OF SACKS	TYPE	ADDITIVES <b>12.3# 2.05 CF 11.6 GAL</b>
# OF SACKS <b>150</b>	TYPE <b>PREM PLUS</b>	ADDITIVES <b>2% CC, 1/4# FLOCELE</b>
# OF SACKS	TYPE	ADDITIVES <b>14.8# 1.34 CF 6.3 GAL</b>
# OF SACKS	TYPE	ADDITIVES
# OF SACKS	TYPE	ADDITIVES

RECEIVED  
 STATE CORPORATION COMMISSION  
 OCT 25 2000

SPACER TYPE	QUANTITY	REMARKS
SPACER TYPE	QUANTITY	REMARKS

CONSERVATION DIVISION  
 Wichita, Kansas

KCL	CLAYFIX II	LO-SURF	CLASTA-XP
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CASING SIZE <b>8 5/8</b>	CASING WEIGHT <b>24#</b>	THREAD <b>8 RD</b>	GUIDE SHOE	LATCH DOWN PLUG & BAFFLE
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INSERT FLOAT SHOE	FLOAT SHOE	FLOAT COLLAR	INSERT FLOAT <b>ALUM BAFFLE</b>
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CENTRALIZER-QTY <b>5 EACH</b>	SIZE <b>8 5/8 X 12 1/4</b>	TYPE <b>SERIES 41</b>
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WALL CLEANERS-QTY	TYPE	DV TOOL	DV FLUG SET
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LIMIT CLAMPS <b>1 EACH</b>	WELD-A <b>1 EACH</b>	CMT BASKET	OTHER
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REMARKS

ORDERED BY: <b>PHIL LLOYD</b>	TIME OF CALL: <b>1000 10/3/00</b>
CALL TAKEN BY: <b>SMITH</b>	TIME READY:
CREW CALLED:	TIME:

**JOB SUMMARY**

ORDER NO. 70008

TICKET #

913647

NO. 018

P. 9/13

10-4-00

REGION North America	NW/COUNTRY Mid Continent	BOA/STATE KS	COUNTY Haskell
MSU ID / EMP # MCKR0101 106322	EMPLOYEE NAME D. Mc Lane	PSL DEPARTMENT 22	ORIGINAL
LOCATION Liberal	COMPANY Cheyenne Drilling	CUSTOMER REP / PHONE Phil Loyd	
TICKET AMOUNT 11259.03	WELL TYPE 01	API / UWI #	
WELL LOCATION S Garden City	DEPARTMENT 22	JOB PURPOSE CODE 010	
LEASE / WELL # Kephart 1	SEC / TNP / RNG S 26S 34W		

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
D. Mc Lane 106322 130	J. Lopez 198514 7		
E. Tate 105953 134			
J. Juller 207239 175			
K. Evans 191251 7			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420985	60						
54034-77941	60						
52934-6612	30						
59225-75919	30						

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	10-3-00 1800	10-3-00 2100	10-4-00 0124	10-4-00 0300

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar 8 1/2" 8 1/2"	1	H
Float Shoe		
Guide Shoe		0
Centralizers 8 1/2"	5	
Bottom Plug		W
Top Plug 5 1/2"	1	
Head PC 8 1/2"	1	C
Packer		
Other		0

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	2	24	8 1/2"	KB	1708.28	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						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	In
Perfpac Balls	Qty.	
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
<b>TOTAL</b>		<b>TOTAL</b>		

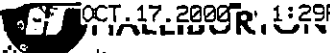
ORDERED \_\_\_\_\_ **HYDRAULIC HORSEPOWER** \_\_\_\_\_  
 Avail. \_\_\_\_\_ Used \_\_\_\_\_  
 TREATED \_\_\_\_\_ **AVERAGE RATES IN BPM** \_\_\_\_\_  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
 FEET 43.51 **CEMENT LEFT IN PIPE** \_\_\_\_\_  
 Reason \_\_\_\_\_

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	560	PT-HLC 45A	B	28CC 1/4" Slocete	2.05	12.3
	150	Prime Plug	B	28CC 1/4" Slocete	1.32	14.8

Circulating _____	Displacement _____	Preflush: _____	Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____	Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI _____	Disp: BBI - Gal 118.5
Shut In: Instant _____	5 Min _____	15 Min _____	Cement Slurr _____	Gal - BBI 204.5
			Total Volume _____	Gal - BBI 71.5

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE  
*Philip Loyd*



**JOB LOG**

ORDER NO. 70008

TICKET # 913647

NO. 018

FP. 10/13

REGION North America	NWA/COUNTRY Africa	BDA/STATE RS	COUNTY Hickok
MBU ID / EMP # 106322	EMPLOYEE NAME J. M. Lane	PSL DEPARTMENT 22	ORIGINAL
LOCATION A. 1011	COMPANY Cheyenne Drilling	CUSTOMER REP / PHONE Phil Lloyd	
TICKET AMOUNT 11259.03	WELL TYPE OI	API / LWI #	
WELL LOCATION S. Garden City	DEPARTMENT ZI	JOB PURPOSE CODE 010	
LEASE / WELL # Kestrel 1	SEC / TWP / RNG S 26S 34W		

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. M. Lane 106322 135	J. Kestrel 198514 7		
G. Tate 105853 135			
J. M. Hill 203230 135			
K. Ellis 191251 7			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tot	Cig	
	1800							Called for Job
	2100							on location hold safety meeting set up pump truck by tripping out O.P.
	2139							O.P. out as hole
	2242							Rig up Csg crew
	2341							Start running Csg & float equip.
	1250							Csg on bottom
	1251							Hook up MC & circulating iron
	0100							Start circulating
	0120							from circulating
	0121							Hook up to pump truck
								Job procedure 8 3/4 Swi Sacc
	0124					012700		Pressure test lines
	0125	6	204.5			0160		Start Lead Cement @ 12.3"
	0213	6	35			180		Start Tail Cement @ 14.8"
	0223							then mixing cement
	0224							Shut down & Release plug
	0225	7	118.5			0100		Start Dis placement
	0229					10750		Dis placement caught cement
	0242	1.5				120015		Plug landed
	0300					20000		Plug landed
	0301					200		Shut in head
	0302					2000		Release pressure
								Circulated 45 Bbls to pit
								123.5 bbls to pit
								Thank You For Calling Halleburton
								Danny & Sonny & James & Crew

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

ORIGINAL  HALLIBURTON

COMPANY <b>HELMERICH &amp; PAYNE</b>	OWNER <b>SAME</b>	DATE <b>10/10/00</b>
BILLING ADDRESS		

CONTRACTOR <b>CHEYENNE #3</b>	API	SEC, TWN, RNG <b>SEC. 5-26S-34W</b>
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LEASE <b>KEPHART</b>	WELL NO. #1	COUNTY/STATE <b>HASKELL CO, KS</b>	RT MILEAGE <b>60/30</b>
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DIRECTIONS **SUBLETTE, KS-- NORTH ON HWY 83 TO PLYMEL SCHOOL, CONTINUE 1 NORTH TO PARALLEL ROAD, WEST ON PARALLEL ROAD TO CURVE, CONTINUE 2.8 WEST ON GRAVEL, 3/4 SOUTH, EAST TO LOCATION.**

QUOTE: **20494954**                      **SO-927214**                      **KB--927215**

SURFACE	INTER.	LONG STRING	LINER	PLUG BACK	PTA XXXX
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SQUEEZE	WHIPSTOCK	OTHER
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CASING SIZE	WEIGHT	THREAD	PLUG CONT	SWAGE D P PIN	CSG SWIVEL	TOP PLUG	BOTTOM PLUG
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TBG / DP SIZE <b>4 1/2 XH</b>	WEIGHT	THREAD	TD	% EXCESS	MUD WT	HOLE SIZE <b>7 7/8</b>
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NUMBER AND TYPE TRUCKS WANTED **RCM & BULK**

REMARKS

# OF SACKS <b>225</b>	TYPE <b>60/40 POZ H</b>	ADDITIVES <b>6% TOTAL GEL</b>	<b>13.2# 1.64 CF 8.46 GAL</b>
# OF SACKS	TYPE	ADDITIVES <b>100 SKS AT 3200 FT</b>	
# OF SACKS	TYPE	ADDITIVES <b>50 SKS AT 1930 FT</b>	
# OF SACKS	TYPE	ADDITIVES <b>40 SKS AT 820 FT</b>	
# OF SACKS	TYPE	ADDITIVES <b>10 SKS AT 40 FT</b>	
# OF SACKS	TYPE	ADDITIVES <b>15 SKS RAT HOLE---10 SKS MOUSE HOLE</b>	

SPACER TYPE	QUANTITY	REMARKS
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SPACER TYPE	QUANTITY	REMARKS
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KCL	CLAYDEX II	LO-SURF	CLASTA-XP
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CASING SIZE	CASING WEIGHT	THREAD	GUIDE SHOE	LATCH DOWN PLUG & BAFFLE
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INSERT FLOAT SHOE	FLOAT SHOE	FLOAT COLLAR	INSERT FLOAT
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CENTRALIZER-QTY	SIZE	TYPE
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WALL CLEANERS-QTY	TYPE	DV TOOL	DV PLUG SET
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LIMIT CLAMPS	WELD-A	CMT BASKET	OTHER
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REMARKS

ORDERED BY: <b>LOU</b>	<b>CELL-316-272-1575</b>	<b>HOME-719-336-7994</b>	TIME OF CALL:
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CALL TAKEN BY: <b>SMITH</b>	TIME READY:
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CREW CALLED: <b>McLANE--TATE--FULLER--BULK</b>	TIME:
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**JOB SUMMARY**

ORDER NO. 76008

TICKET # 927214 NO. 018 TP. 12/13  
10-11-00

REGION North America	NWACOUNTRY Mid Continent	BOA / STATE KS	COUNTY Haskell
MBU ID / EMP # MK17010 106322	EMPLOYEE NAME D. McName	PSL DEPARTMENT ZZ	
LOCATION Liberal	COMPANY Helmerich & Payne	CUSTOMER REP / PHONE	
TICKET AMOUNT 6367.64	WELL TYPE 01	API / UWI #	
WELL LOCATION Garden City	DEPARTMENT ZZ	JOB PURPOSE CODE 115	
LEASE / WELL # Kopkart 1	SEC / TWP / RNG 5 26S 34W		

**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
D. McName 106322 7.5			
S. T. K. 105953 7.5			
J. Fuller 207238 7.5			
C. Garcia 194445 7.5			

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	60						
54038-77941	60						
54228-77941	30						
6611							

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		
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.	tn
NE Agent	Gal.	tn
Fluid Loss	Gal/Lb	tn
Gelling Agent	Gal/Lb	tn
Fric. Red.	Gal/Lb	tn
Breaker	Gal/Lb	tn
Blocking Agent	Gal/Lb	tn
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
10-11-00	1000		1230	1538	1820

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.	4	116	4 1/2			
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

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

**AVERAGE RATES IN RPM**

Treated \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_

**CEMENT LEFT IN PIPE**

Feet \_\_\_\_\_ Reason \_\_\_\_\_

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	275	60/40 Perz	5	60 Total Gal	164	13.0

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal _____
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 65.5	
		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  
*Ben O. L...*

**JOB LOG**

ORDER NO. 70008

REGION North America	NW/COUNTRY M. of C. Kuwait	BDA / STATE KS	COUNTY Haskell
MBU ID / EMP # 12K150101 12K122	EMPLOYEE NAME O. Malone	PSL DEPARTMENT ZT	<b>ORIGINAL</b>
LOCATION K. Hill	COMPANY H. Burdick & D. Jones	CUSTOMER REP / PHONE	
TICKET AMOUNT 6367.64	WELL TYPE 01	API / UWI #	
WELL LOCATION Cooter City	DEPARTMENT ZE	JOB PURPOSE CODE 115	
LEASE / WELL # K. Hill 1	SEC / TWP / RNG 5 26S 34E		

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
O. Malone 12K122 7.5			
S. Toke 12K122 7.5			
J. S. Hill 20238 7.5			
C. G. Hill 19444 7.5			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1000							Called for Job
	1230							on location hold safety meeting Set up pump
	1300							break Rig lying down Callers
	1425							Rig lying down Kelly & mouse & D.O.P.
								Rig running in D.P.
								D.P. @ 3200'
								Job Procedure Set Plug @ 3200'
	1538					9/2300		Pressure test lines
	1540	2.3	10			9/100		Start Fresh water ahead
	1545	5	29			237		Start Cement @ 13.2"
	1650	3	3.5			0		Start Fresh water behind
	1652	6	34.5			9/65		Start Mud Displacement
	1659					0		Shut down & knock loose
								D.P. Pulled Dry
								Job Procedure Set Plug @ 1950'
	1642	5	10			9/80		Start Fresh water ahead
	1644	5	14.5			150		Start Cement @ 13.2"
	1647	5	3.5			80		Start Fresh water behind
	1648	5	20			50		Start Mud Displacement
	1653					0		Shut down & knock loose
								D.P. Pulled Dry
								Job Procedure Set Plug @ 820'
	1729	6	70			9/70		Circulate hole with Fresh water
	1740	6	11.5			65		Start Cement @ 13.2"
	1743	6	9.5			35		Start Fresh water Displacement
	1745					0		Shut down & knock loose
								Job Procedure Set Plug @ 40'
	1825	2	3			0		Set Plug @ 40'
	1828	2	4			0		Plug Set Rat hole
	1830	2	3			0		Plug Set mouse hole

Thank You For Calling Halliburton

Danny & Sonny & Co



ORIGINAL

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

13128

## Test Ticket

Well Name & No. <u>Kephart #1</u>	Test No. <u>#1</u>	Date <u>10-8-00</u>
Company <u>Helmerich &amp; Payne</u>	Zone Tested <u>Ft. Scott</u>	
Address <u>1579 E. 21st Tulsa Ok. 74114</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Cheyenne #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>5</u> Twp. <u>26S</u> Rge. <u>34W</u>	Co. <u>Finnery</u>	State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4588-4628</u>	Initial Str Wt/Lbs. <u>83,000</u>	Unseated Str Wt/Lbs. <u>83,000</u>
Anchor Length <u>40'</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>100,000</u>
Top Packer Depth <u>4583</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4588</u>	Hole Size — <u>7 7/8" ✓</u>	Rubber Size — <u>8 3/4" ✓</u>
Total Depth <u>4628</u>	Wt. Pipe Run _____	Drill Collar Run <u>714 1/2</u>
Mud Wt. <u>9.2 LCM 2</u> Vis. <u>43 WL 116</u>	Drill Pipe Size <u>4 1/2 x H</u>	Ft. Run <u>3856 1/2</u>
Blow Description <u>1st open weak blow died in 2 min.</u>		
<u>2nd open no blow</u>		

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>65</u>	<u>Waterly mud</u>	<u>65</u>	
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT 120 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 25 @ 40 °F Chlorides 48,000 ppm Recovery Chlorides 1400 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2246</u>		<u>13277</u>	<u>1:45 A.M.</u>
(B) First Initial Flow Pressure	<u>84</u>		(depth) <u>4628</u>	T-Started <u>3:00 A.M.</u>
(C) First Final Flow Pressure	<u>84</u>		PSI Recorder No. <u>3026</u>	T-Open <u>5:10 A.M.</u>
(D) Initial Shut-in Pressure	<u>1223</u>		PSI (depth) <u>4595</u>	T-Pulled <u>8:04 A.M.</u>
(E) Second Initial Flow Pressure	<u>118</u>		PSI Recorder No. _____	T-Out <u>10:40 A.M.</u>
(F) Second Final Flow Pressure	<u>118</u>		PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1213</u>		PSI Initial Opening <u>15</u>	Test <u>✓ 750<sup>00</sup></u>
(O) Final Hydrostatic Mud	<u>2234</u>		PSI Initial Shut-in <u>60</u>	Jars <u>✓ 200<sup>00</sup></u>
			Final Flow <u>30</u>	Safety Joint <u>✓ 50<sup>00</sup></u>
			Final Shut-in <u>60</u>	Straddle _____
				Circ. Sub <u>✓ 0/C</u>
				Sampler <u>✓ 200<sup>00</sup></u>
				Extra Packer _____
				Elec. Rec. <u>✓ 051<sup>00</sup></u>
				Mileage <u>1.1<sup>00</sup></u>
				Other _____
				TOTAL PRICE \$ <u>1141<sup>00</sup></u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND

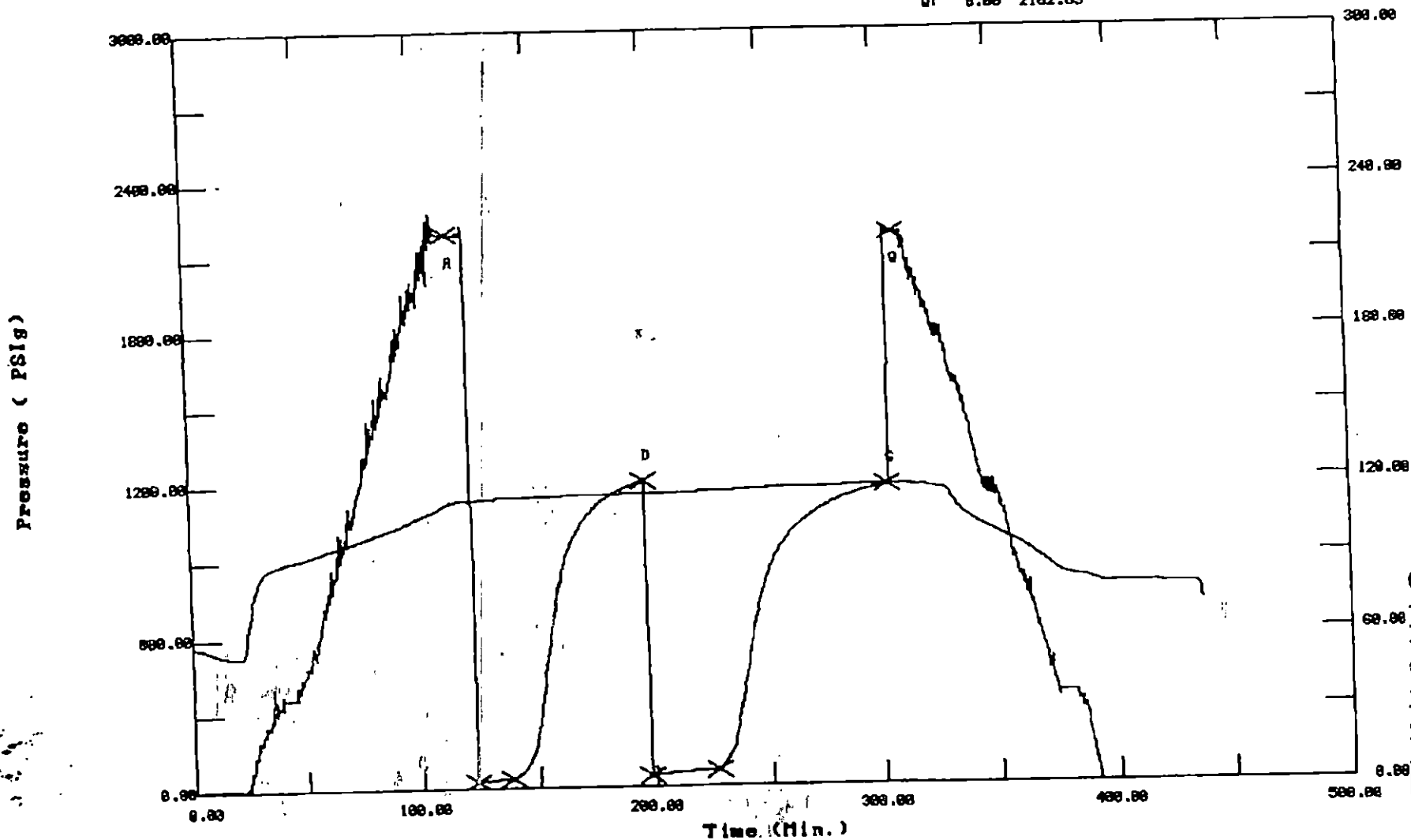
Post-it™ brand fax transmittal memo 7671	4
to Tom Helmerich	from Brad Rine
Co. H + P	Co. Kephart #1
Dept. Geology	Phone # (316)
Fax # (918) 748-5420	Fax # 772-6829

# TEST HISTORY

13128 DST #1 Kephart #1 Helmerich & Payne

Flag Points

	t (Min.)	P (PSig)
R1	0.00	2193.61
B1	0.00	22.59
C1	15.50	35.87
D1	59.50	1205.08
E1	0.00	40.46
F1	28.50	68.23
G1	76.00	1180.93
Q1	0.00	2182.63



ORIGINAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Helmerich & Payne  
 WELL NAME: Kephart #1  
 LOCATION : 5-26s-34w  
 INTERVAL : 4588.00 To 4628.00 ft

DATE 10-08-00  
 KB 2977.00 ft TICKET NO: 13128 DST #1  
 GR 2965.00 ft FORMATION: Ft. Scott  
 TD 4628.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13277	13277	3026			PF Fr. 0519 to 0534 hr
SI 60 Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 0534 to 0634 hr
SF 30 Clock(hrs)	18hr	18hr	elect			SF Fr. 0634 to 0704 hr
FS 60 Depth(ft )	4628.0	4628.0	4595.0	0.0	0.0	FS Fr. 0704 to 0804 hr

	Field	1	2	3	4	
A. Init Hydro	2246.0	0.0	2193.0	0.0	0.0	T STARTED 0300 hr
B. First Flow	86.0	0.0	22.0	0.0	0.0	T ON BOTM 0517 hr
B1. Final Flow	86.0	0.0	35.0	0.0	0.0	T OPEN 0519 hr
C. In Shut-in	1223.0	0.0	1205.0	0.0	0.0	T PULLED 0804 hr
D. Init Flow	118.0	0.0	40.0	0.0	0.0	T OUT 1040 hr
E. Final Flow	118.0	0.0	60.0	0.0	0.0	
F. Fl Shut-in	1213.0	0.0	1180.0	0.0	0.0	
6. Final Hydro	2236.0	0.0	2182.0	0.0	0.0	
Inside/Outside	0	0	1			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	100000.00 lbs
Initial Str Wt	83000.00 lbs
Unseated Str Wt	83000.00 lbs
Bot Choke	0.78 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.38 in
D.C. Length	714.00 ft
D.P. Length	3856.00 ft

RECOVERY

Tot Fluid 65.00 ft of 65.00 ft in DC and 0.00 ft in DP  
 65.00 ft of watery mud 15%W 85%M  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 SALINITY 48000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	43.00 S/L
W.L.	11.60 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

1st open weak surface blow died in 2 min  
 2nd open no blow

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Scott Bugbee
Co. Rep.	Brad Rine
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

ORIGINAL

WELL NAME: Kephart #1  
 LOCATION : 5-26s-34w  
 TICKET No. 13128 D.S.T. No. 1 DATE 10-08-00  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 40  
 TOTAL TOOL ..... 70  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands Single Total  
 TOTAL ASSEMBLY .....  
 D.C. ABOVE TOOLS.Stands12 Single Total 714  
 D.P. ABOVE TOOLS.Stands61 Single 1 Total 3856  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4640  
 TOTAL DEPTH ..... 4628  
 TOTAL DRILL PIPE ABOVE K.B. .... 12

REMARKS:

Sampler Data

100 PSI  
 1400 ml water  
 RW .28 at 40 deg. 48000 chlorides  
 2600 ml watery mud 50%W 50%M

P.O. SUB top of tool	4558
C.O. SUB 1' DP	4559
S.I. TOOL 5'	4564
3' sampler	4567
HMV 5'	4572
JARS 5'	4577
SAFETY JOINT 2'	4579
PACKER 5'	4584
PACKER 5'	4588
DEPTH 4588	
STUBB 1'	4589
ANCHOR	
1' perf	4590
Alpine Rec.	4595
5' PU sub	4595
T.C. DEPTH	
28' Perf	4623
Ak1 Rec.	4628
BULLNOSE T.D. 5'	4628