

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 # 7873
Name: Ricks Exploration, Inc.
Address 5600 N. May, Suite 350
Oklahoma City, OK 73112
City/State/Zip _____
Purchaser: Eaglwing Trading, Inc.
Operator Contact Person: Lynne Suchy
Phone (405) 8409099
Contractor: Name: Murfin Drilling Co.
License: 30606
Wellsite Geologist: Greg Wilson

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW 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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
6/12/97 6/24/97 7/18/97
Spud Date Date Reached TD Completion Date

API NO. 15- 071-206690000 **ORIGINAL**
County Greeley
SEE 1/2 - SW-NW Sec. 23 Twp. 16S Rge. 42 X ^E
2160' Feet from S (circle one) Line of Section
1030' Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name HOFFMAN Well # 1-23A
Field Name Wildcat
Producing Formation Morrow
Elevation: Ground 3802' KB 3811'
Total Depth 5300' PBTD 5172'
Amount of Surface Pipe Set and Cemented at 625 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1850'
feet depth to surface w/ 220 sx cmt.
Drilling Fluid Management Plan ALT 2 JH 9-10-97
(Data must be collected from the Reserve Pit)
Chloride content 7500 ppm Fluid volume 2000 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name N/A **08-18-97**
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 Lynne Suchy
Title Drilling Operations Asstnt Date 8/13/97
Subscribed and sworn to before me this 13th day of August,
19 97.
Notary Public Diane Edwards
Date Commission Expires 4-24-01

K.C.C. OFFICE USE ONLY		
F	<input checked="" 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"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

Operator **WICKS Exploration, Inc.**

Lease Name **HOFFMAN**

Well # **1-23A**

Sec. **23** Twp. **16S** Rge. **42**

East
 West

County **Greeley**

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

Log Formation (Top), Depth and Datum Sample
Name Top Datum

List All E.Logs Run:

High Res. DI Focused Log
Z Densilog
BHC Acoustilog

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 1/2"	8-5/8"	24#	625'	40-60POZ	400	2%gel+3%CC+ 1/2#Flocele
Production	7-7/8"	5-1/2"	15.50#	5299'	50-50POZA	85	2%gel+1/2%Halad 322+1/4#Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD

Thixotropic 90 5%Cal+10%slt+
1/2#Flocele

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1850	ClSH	220	.25PPG/skFlocele, 2% CalChl

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	4992-96'	7bbls 2% KCL wtr	4992-96'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	5021'	-	<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)			
7/25/97				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	60	0	20	42.4

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Comingled
 Other (Specify) _____

4992' - 4996'



HALLIBURTON ENERGY SERVICES
HAL-1906-P

CHANGE TO
Ricks Exploration Co.
 ADDRESS
 1700 N. Mary Ave. Ste. 350
 CITY STATE ZIP CODE
 Oklawaha City, FL 32112

ORIGINAL - DUNCAN COPY TICKET

No. 196983-

PAGE 1 OF 1

SERVICE LOCATIONS 1. KS	WELL PROJECT NO #1	LEASE Luffin	COUNTY-PARISH Wagoner	STATE OK	CITY-OFFSHORE LOCATION 6	DATE 6-24-97	OWNER Some
2.	TICKET TYPE 3. SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Horton	RIG NAME NO Horton	SHIPPED VIA Country Truck	DELIVERED TO Location	ORDER NO
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO 011-20669000	WELL LOCATION E3-1254000		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		U/M	U/W			
000-117		1		25	MILEAGE dump truck	150	m	3.20		480
000-119		1			crew mileage	150	m	1.95		292
001-116		1			pump charge	1	EA 98.84			2184
090-016		1			5 wiper top plug	1	ea	6.00		6.00
314-163		1			clay fix	4	gal	30.50		122
318-315		1			mud flush	500	gal	.75		375
23A	837.9000	1		20	SS II Float shoe	1	ea	204.00	5 1/2 in	204
21A	836.9000	1			SS II Float collar	1	ea	242.00	5 1/2 in	242
40	806.6002	1		51	SD centralizers	3	ea	67.00	5 1/2 in	201
50	806.6010	1		51	Fluid master centralizers	6	ea	84.00	5 1/2 in	504
350	890.10802	1		30	Holco weld n	1	lb	16.25		16

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

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

x **Bob Cooksey**

DATE SIGNED: 6-24-97 TIME SIGNED: 1330

A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

SURVEY
 AGREE UN-DECIDED DIS-AGREE

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

PAGE TOTAL: 4687
 FROM CONTINUATION PAGE(S): 4454, 4456
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 9091.5

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): **Bob Cooksey**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): x **Bob Cooksey**

HALLIBURTON OPERATOR/ENGINEER: **Tim [Signature]**

EMP #: **H1682**

HALLIBURTON APPROVAL:

07-24-97 07:13A P.02 FAX NO.: 1 913 625 2536 FROM: HES HAVS

HALLIBURTON

TICKET CONTINUATION

TICKET NO. **196983**

HALLIBURTON ENERGY SERVICES

CUSTOMER **Ricks Exploration**

WELL **Huffman #1**

DATE **6/24/97**

PAGE **1**

FROM: P.03 07-114R 07-24-97 07-24-97 07-24-97 2536 625 913 1 2536 FAX NO.: HES HAYS

ORIGINAL

TRUCK#	62418	ACCOUNTING			DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	LOG	ADDT	DE							
504-308				25	Standard Cement	90				\$10.83	\$974.70
504-130					50/50 Pozmix Standard	100				\$7.69	\$673.00
509-968					Salt	450				\$0.17	\$85.00
507-775					HALAD-322	41				\$7.70	\$315.70
507-210					Flocele	48				\$1.90	\$91.20
508-127					CAL SEAL	5				\$28.00	\$140.00
508-002					KCL	300				\$0.41	\$123.00
500-207					SERVICE CHARGE						
500-306					MILEAGE CHARGE						
					TOTAL WEIGHT	17,899					
					LOADED MILES	150					
					TON MILES	1342.425					
					CUBIC FEET	213				1.55	\$330.15
										1.18	\$1,584.06

CONTINUATION TOTAL **4404.31**
\$ ~~4,216.81~~

No. B **660019**



JOB SUMMARY 4239-1

TICKET # 196983 TICKET DATE 6-24-97

REGION North America NWA/COUNTRY Mid Continent USA BDA/STATE KS COUNTY Brealey
EMPLOYEE NAME Tim Plannenstiel PSL DEPARTMENT CMT
LOCATION Hous, Ks COMPANY Rick's Exploration Co. CUSTOMER REP/PHONE Bob Cooksey
WELL TYPE 01 API/LWI# 071-2006690000
WELL LOCATION SW Shann Springs, KS DEPARTMENT CMT JOB PURPOSE CODE 035
LEASE/WELL # Huffman #1 SEC/TWP/RNG 23-16S-42W

ORIGINAL

Table with 4 columns: HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS. Rows include Tim Plannenstiel/Huff, John Becker 4200, Lyle Licker H1872.

Table with 8 columns: HES UNIT NUMBERS, RT MILES. Rows include 41885 P, 53292 PT, 58418 BT, all with RT MILES of 330.

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

Table with 4 columns: DATE, CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Values: 6-24-97, 0800, 6-24-97, 1200, 6-24-97, 1935, 6-24-97, 2100.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY, MAKE. Items include Float Collar SS II, Float Shoe SS II, Guide Shoe, Centralizers S-4, Bottom Plug, Top Plug Swiper, Head, Housco wellhead, Other Fluidmaster Composites Le Housco.

WELL DATA table with columns: NEW/USED, WEIGHT, SIZE, FROM, TO, MAX ALLOW. Rows include Casing, Liner, Tbg/D.P., Open Hole, Perforations.

MATERIALS table with columns: Treat Fluid, Disp. Fluid, Prop. Type, Acid Type, Surfactant, NE Agent, Fluid Loss, Gelling Agent, Fric. Red., Breaker, Blocking Agent, Perfpac Balls, Other.

HOURS ON LOCATION and OPERATING HOURS tables. Includes DATE, HOURS, and DESCRIPTION OF JOB (cement 5 1/2 casing).

HYDRAULIC HORSEPOWER, AVERAGE RATES IN BPM, CEMENT LEFT IN PIPE, FEET 43 shoe it.

CEMENT DATA table with columns: STAGE, SACKS, CEMENT, BULK/SKS, ADDITIVES, YIELD, LBS/GAL. Includes 1st and 2nd stage data.

Circulating Displacement 185.5 BBL, Preflush: Gal (BBI) 1200, Type 1261 mud Plus, Load & Bkdn: Gal - BBI, Treatment: Gal - BBI, Cement Slurr: Gal (BBI) 44.5, Total Volume: Gal - BBI.

THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE



JOB LOG 4239-5

REGION North America	NWA/COUNTRY USA	TICKET # 111123	TICKET DATE 07-24-97
MBUID / EMP #	EMPLOYEE NAME	BDA / STATE KS	COUNTY Franklin
LOCATION	COMPANY	PSL DEPARTMENT	
TICKET AMOUNT	WELL TYPE	CUSTOMER REP / PHONE	
WELL LOCATION	DEPARTMENT	API / UWI #	
LEASE / WELL #	SEC / TWP / RNG	JOB PURPOSE CODE	

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BB)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0800							Called out
	1800							Arrive at location, rig pulling collars hold well
	1830							Start csg w/ SSII float shoe + SSII float collar 3 S-4 centralizers on 1-3-11 ft. + 6 fluid- master centralizers on 4-5-6-7-8-9 ft.
	1445							circulate w/ 45 ft in 15 minutes
	1610							circulate w/ 90 ft in
	1630							Rig up pump truck
	1711							casing in hole - hook up plug container + manifold
	1735							Broke circ w/ rig pump - 131 ft in hole
	1745							wash down 8 ft to TD
	1935							circulating off bottom Start pump flushes dry for mud flush dry for
	1917	5						75 Start mix cement 25 sks 50/50 log 90 sks EA-2 finish mix cement release plug + wash pump + lines
	1937	4 3/4						Start Displacement
		4 3/4	125.5					750 Finish Displacement
	2000							1600 Plug loaded
	2002							Release pressure - float held
	2010							wash up pump truck + rack up
	2030							finish paper work
	2045							Pump at sho 50/50 log on ground so rig can plug set hole + make hole by request of Ed McKenna + Bob Rankin
	2100							Job complete Thank you Jim + Crew



HALLIBURTON ENERGY SERVICES
HAL-1908-P

LIBRARY ID

ADDRESS Ricks Exploration

CITY STATE ZIP CODE

ORIGINAL - DUNCAN COPY TICKET

No. 195991 - (

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Hayes</u>	WELL PROJECT NO <u>#1</u>	LEASE <u>Huffman</u>	COUNTY PARISH <u>Gravelly</u>	STATE <u>Ks</u>	CITY OFFSHORE LOCATION	DATE <u>7-3-97</u>	OWNER <u>same</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES	CONTRACTOR <u>Huffman</u>	RIG NAME NO <u>Putnam well ser</u>	SHIPPED VIA	DELIVERED TO <u>Location</u>	ORDER NO	
3. <input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO	WELL TYPE	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>01</u>	WELL PERMIT NO <u>095</u>	WELL LOCATION <u>Gravelly 83-16-42</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-112	ORIGINAL	1		30	MILEAGE (53292)	150		mp		3.20	480
000-119		1		30	Crew mileage	150		miles		1.95	292
009-134		1		30	pump chg. Squeeze	1850		PT	unit		1689
120-144		1			Squeeze	1		day	ch		305

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

SUB SURFACE SAFETY VALVE WAS PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	CIS-AGREE	PAGE TOTAL <u>2461</u>
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>8960</u>
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
TREE CONNECTION	TYPE VALVE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
		ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			
		<input checked="" type="checkbox"/> CUSTOMER DID NOT WASH TO RESPOND				

DATE SIGNED 7-3-97 TIME SIGNED 11:00 AM PM

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

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Ernie Dwinelle</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Ernie Dwinelle</u>	HALLIBURTON OPERATOR/ENGINEER <u>Terry Nancy 2100</u>	EMP #	HALLIBURTON APPROVAL
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07-24-97 07:16R P.06

FAX NO.: 1 913 625 2536

FROM: HES HAYS



TICKET CONTINUATION

ORIGINAL

TICKET No. 195991

HALLIBURTON ENERGY SERVICES

Trk. 3846-8206

CUSTOMER Ricks Exploration

WELL #1 Hoffman

DATE 7-3-97

PAGE OF

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-280		1		30	Mid-Con-2	270				13 53	3,653
509-406		1		30	Calcium Chloride Blended	5				46 90	234
507-210		1		30	Flocele Blrned	102	lb			1 90	193
ORIGINAL											
500-207		1		30	SERVICE CHARGE	CUBIC FEET		288		1 55	444
500-306		1		30	MILEAGE CHARGE	TOTAL WEIGHT	LOADED MALES	TON MILES	2,016.150	1 18	2,379
						26,882	150				

No. B 339240

CONTINUATION TOTAL

6,905
6,499

07-24-97 07:17A P.07

FAX NO.: 1 913 625 2536

FROM: HES HAYS



JOB SUMMARY 4238-1

TICKET # 195991 TICKET DATE 7-3-97

REGION North America NW/COUNTRY Midcontinent USA BDA / STATE Ks COUNTY Greeley

MBU ID / EMP # HA 0515 71010 EMPLOYEE NAME Joe Henry PSL DEPARTMENT CMT

LOCATION Hays, Ks COMPANY Ricks Exploration EXPLORATION CUSTOMER REP / PHONE Ernie Kith

WELL LOCATION SW Sharn Springs, Ks DEPARTMENT CMT JOB PURPOSE CODE ORIGINAL

Table with 4 columns: HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS. Rows include Joe Henry, Tim Bannister, and Doug Berhad.

Table with 8 columns: HES UNIT NUMBERS, R/T MILES. Rows include 98402 PU, 53292 PT, and 98008-8206 BT.

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

Table with 5 columns: DATE, CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes times like 0630, 1045, 13:10, 15:15.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY, MAKE. Rows include Float Collar, Float Shoe, Guide Shoe, etc.

WELL DATA table with columns: NEW/USED, WEIGHT, SIZE, FROM, TO, MAX ALLOW. Rows include Casing, Liner, Tbg/D.P., etc.

MATERIALS table with columns: Treat Fluid, Density, Lb/Gal, etc. Rows include Disp. Fluid, Prop. Type, Acid Type, etc.

HOURS ON LOCATION and OPERATING HOURS tables. Includes DATE, HOURS, and DESCRIPTION OF JOB (Block Squeezes).

HYDRAULIC HORSEPOWER, AVERAGE RATES IN BPM, CEMENT LEFT IN PIPE tables.

CEMENT DATA table with columns: STAGE, SACKS, CEMENT, @ULKS/SKS, ADDITIVES, YIELD, LBS/GAL. Includes 2.91 yield and 11.4 lbs/gal.

Table with columns: Circulating, Breakdown, Average, Shut In: Instant, Displacement, Maximum, Frac Gradient, 5 Min, 15 Min, Preflush, Load & Bkdn, Treatment, Cement Slurr, Total Volume.

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



HALLIBURTON ENERGY SERVICES

HAL-1905-P

ORIGINAL - DUNCAN COPY TICKET

No. 196984-1

PAGE 1 OF 2

STANDARD III
 ADDRESS Ricks Exploration
 CITY STATE ZIP CODE

SERVICE LOCATIONS 1. Hays Co 025525	WELL/PROJECT NO 1	LEASE Hoffman	COUNTY/PARISH Crawley	STATE Ks	CITY/OFFSHORE LOCATION	DATE 7-2-97	OWNER Same	
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Patrick Well Serv	RIG NAME #10	SKIPPED VIA CT	DELIVERED TO Well Site	ORDER NO	
3.	WELL TYPE	WELL CATEGORY 01	JOB PURPOSE 195/095	WELL PERMIT NO	WELL LOCATION 23-16 ^s -42 ^w			
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	OF							
000-117				30	MILEAGE on PT					3 ²⁶	480
009-134	009-019				Pump Chg Crew Mileage					1689 ⁰⁰	1689
000-119						RT				195	292
128-546				80	Squeeze Manifold					1 ⁰⁰	305
100-115				35	Mileage on Tools					195	292
100-017				35	RTS AS-501			52		1380 ⁰⁰	1380

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	SUB SURFACE SAFETY VALVE WAS <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN			SURVEY AGREE UN-DECIDED DIS-AGREE			PAGE TOTAL FROM CONTINUATION PAGE(S) 1424
	TYPE LOCK	DEPTH		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
	BEAN SIZE	SPACERS		WE UNDERSTOOD AND MET YOUR NEEDS?			
	TYPE OF EQUALIZING SUB	CASING PRESSURE		OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	
DATE SIGNED 7-6-97	TIME SIGNED 08:00	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered			<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) Ernie Dwirell	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Ernie Dwirell</i>	HALLIBURTON OPERATOR/ENGINEER <i>John P. Beck</i>	EMP # 11223	HALLIBURTON APPROVAL
---	--	--	----------------	----------------------

07-24-97 07:19A P.10

FAX NO.: 1 913 625 2536

FROM: HES HAYS



TICKET CONTINUATION

ORIGINAL

TICKET No. 192984

HALLIBURTON ENERGY SERVICES

Trk. 52418

CUSTOMER Ricks Exploration

WELL #1 Huffman

DATE 7-6-98

PAGE 2 OF 2

FORM 1811 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	OF			U/M			
504-308		1		30	Standard Cement			10	83	541
507-775		1		30	Molod-322			770		385
ORIGINAL										
500-207		1		30	SERVICE CHARGE	CUBIC FEET			55	77
500-306		1		30	MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	18	420
					4756	150	356.256			

No. B 339242

CONTINUATION TOTAL

1424

07-24-97 07:20A P.11

FAX NO.: 1 913 625 2536

FROM: HES HAYS



JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY MidCont. USA	TICKET # 196984	TICKET DATE 7-6-97
MBU ID / EMP # HAD 503 43002	EMPLOYEE NAME S.E. Becker	BDA / STATE MidCont. Ks	COUNTY Greene
LOCATION SW Sharon Spring K1	COMPANY Ricks Exploration	PSL DEPARTMENT 3001	CUSTOMER REP / PHONE E. Dwinelle
TICKET AMOUNT	WELL TYPE 01	API / UWI	
WELL LOCATION Hays Ks	DEPARTMENT 5201	JOB PURPOSE CODE 195 - 095	ORIGINAL
LEASE / WELL # #1 Hays	SEC / TWP / RNG. 28.11.42W		

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 Becker 43002			
C Dodson 41159			
B Charles 47201			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
41295	3.0						
51271	2.5						
53412	2.5						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type R77 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. _____	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 _____		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
7-6-97	07:30	7:45	7:45	7:45

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	L	15.5	5 1/2	0		
Liner						
Liner						
Tbg/D.P.	L	7.2	2 3/8	1		
Tbg/D.P.						
Open Hole						SHOTS/FT
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

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

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	50	518	P	15-H-200	1.18	15.6

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 _____	
		Total Volume _____	Gal - BBI _____	



JOB LOG 4239-5

REGION North America	NWA/COUNTRY	TICKET # 1510	TICKET DATE 7/25
MBU ID / EMP #	EMPLOYEE NAME	BDA / STATE	COUNTY
LOCATION	COMPANY	PSL DEPARTMENT	
TICKET AMOUNT	WELL TYPE	CUSTOMER REP / PHONE	
WELL LOCATION	DEPARTMENT	API / UWI #	
LEASE / WELL #	SEC / TWP / RNG	JOB PURPOSE CODE	

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
H 1257			
H 7257			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	03:30							Called Out
	08:00							Order - Diagnose Sub - Safety Mart - Spare Servo Equip
	08:30							Start 5" RTG in Hole on 2 1/2 Tbg - Perf @ 1856
	09:02					1000		Set RTG @ 1889' - Pres Test Tbg OK
	09:26					1000		Raise RTG @ 1926' - Pres Test Tbg - Slow Bleed @ 6
	10:00							Pres Test Ann - OK
								Pull RTG & Run Down End Tbg to Spot Ann - @ 1879
	11:05					75		Start on Spot Ann - 500k (25slk 11/16 H-300)
	11:12					0		Ann spotted - Pull Tbg to 1500'
	11:21					125		Rev. around Tbg - Start Wew
	11:27					75		Tbg cleared - Pull Tbg - Shut BOP - BR
	11:48					1500		Prep on Sp-ann - 7 BBL reduced - Stage Ann
	12:35					1500		Start in 76 BBL (30sk) out in Flow
								Sub Complete

Handwritten signature/initials

DST

ORIGINAL

WELL NAME: Hoffman #1
COMPANY: Ricks Exploration Inc
LOCATION: Sec. 23 Twp. 16S Rge. 42W
Greeley County Kansas
DATE: 6/25/97

15-071-20669-00-00

RECEIVED
1997 JUN 25 AM 11:43
RICKS EXPLORATION INC

TRILOBITE TESTING L.L.C.

15-071-20669-00-00
ORIGINAL

OPERATOR : Ricks Exploration Inc.
 WELL NAME: Hoffman #1
 LOCATION : 23-16S-42W Greeley KS.
 INTERVAL : 4977.00 To 5002.00 ft

DATE 6-23-97
 KB 3810.00 ft TICKET NO: 10000 DST #1
 GR 3802.00 ft FORMATION: Upper Morrow
 TD 5308.00 ft TEST TYPE: CONV. STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13339	13339	2341		13276	PF Fr. 1350 to 1420 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	4000.0	IS Fr. 1420 to 1520 hr
SF 60	Clock(hrs)	12 HR	12 HR	Elec		12 HR	SF Fr. 1520 to 1620 hr
FS 90	Depth(ft)	4990.0	4990.0	4979.0	0.0	5303.0	FS Fr. 1620 to 1750 hr

	Field	1	2	3	4	
A. Init Hydro	2503.0	2569.0	2546.0	0.0	0.0	T STARTED 1101 hr
B. First Flow	155.0	176.0	105.0	0.0	0.0	T ON BOTM 1348 hr
B1. Final Flow	291.0	312.0	329.0	0.0	0.0	T OPEN 1350 hr
C. In Shut-in	799.0	817.0	825.0	0.0	0.0	T PULLED 1750 hr
D. Init Flow	395.0	407.0	374.0	0.0	0.0	T OUT 2200 hr
E. Final Flow	519.0	530.0	535.0	0.0	0.0	
F. Fl Shut-in	799.0	795.0	802.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2443.0	2495.0	2464.0	0.0	0.0	Tool Wt. 15000.00 lbs
Inside/Outside	O	O	I		S	Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 74000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 506.00 ft
						D.P. Length 4460.00 ft

RECOVERY
 Tot Fluid 1560.00 ft of 506.00 ft in DC and 1054.00 ft in DP
 1560.00 ft of Clean Gassy Oil 50% gas 50% oil
 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 0.00 P.P.M. A.P.I. Gravity 38.60

BLOW DESCRIPTION
 Initial Flow:
 Fair to strong blow off bottom in 2.5 mins.
 Initial Shut In:
 Bled off blow, Gas to Surface while bleeding off, blow didn't die down
 Final Flow:
 See Gas Volume Report
 Final Shut In:
 Blow continued to blow throughout

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	48.00 S/L
W.L.	9.80 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	141.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Bob Coooksey
Contr.	Murfin
Rig #	24
Unit #	
Pump T.	

Test Successful: Y

15-071-20669-00-00

*** TOOL DIAGRAM *** CONV. STRADDLE

WELL NAME: Hoffman #1

LOCATION : 23-16S-42W Greeley KS.

TICKET No. 10000 D.S.T. No. 1 DATE 6-23-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL 25

BOTTOM PACKERS AND ANCHOR 28

TOTAL TOOL 83

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 4 Single 1 Total 278

TOTAL ASSEMBLY 361

D.C. ABOVE TOOLS.Stands8 Single 1 Total 506

D.P. ABOVE TOOLS.Stands71 Single 1 Total 4460

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5327

TOTAL DEPTH 5308

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:

Sampler Data:

Gas; 3200 ml
 Oil; 800 ml
 Water;
 Mud;

Total Volume; 4000 ml

Pressure; 500 # psi

P.O. SUB 1' Above 120' DC	4827
C.O. SUB 1'	4947
S.I. TOOL 5'	4953
3' Sampler	4956
HMV 5'	4961
JARS 5'	4966
SAFETY JOINT 2'	4968
PACKER Top 4'	4972
PACKER Bottom 5'	4977
DEPTH	
STUBB 1'	4978
ANCHOR	
Alp. Rec. @	4979
20' Perf.	4997
1' Blank Off Sub	4998
T.C.	
DEPTH	
PACKER 4'	5002
1' Stubb	5003
21' Perf.	5024
278' DP	5302
1' CO Sub	5303
AK-1 Rec. @	5303
BULLNOSE 5'	
T.D.	5308

15-071-20669-00-00

GAS RECOVERY

COMPANY: Ricks Exploration Inc.

DATE: 6-23-97

WELL NAME: Hoffman #1

KB Elev: 3810.00 ft TICKET #10000 DST #1

WELL LOCATION: 23-16S-42W Greeley KS.

GR Elev: 3802.00 ft FORMATION: Upper Morrow

INTERVAL Fr.: 4977.00 To 5002.00 T.D.: 5308.00 ft TEST TYPE: CONV. STRADDLE

GAS RECOVERY MEASURED WITH 2" Merla Gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	5	14100.0
20	0.25	0	30	9200.0
30	0.50	0	42	40700.0
40	0.50	0	42	40700.0
50	0.50	0	25	31300.0
60	0.50	0	3	10900.0

RECEIVED

15-071-20669-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10000 DST #1 Hoffman #1 Ricks Exploration Inc.

DATE: 06/23/97 TIME: 11:01:57

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	167.00	2546.7	0.0	123.35		
***** Start Flow 1	0.00	105.2	0.0	123.63		
	1.00	138.7	33.6	124.77		
	2.00	165.3	60.2	126.56		
	3.00	177.9	72.7	128.44		
	4.00	156.7	51.5	130.08		
	5.00	160.8	55.7	131.42		
	6.00	178.8	73.6	132.53		
	7.00	186.6	81.5	133.41		
	8.00	177.7	72.5	134.12		
	9.00	181.3	76.1	134.67		
	10.00	186.8	81.7	135.07		
	11.00	194.5	89.4	135.43		
	12.00	202.1	96.9	135.71		
	13.00	210.2	105.0	135.94		
	14.00	218.4	113.3	136.16		
	15.00	226.2	121.1	136.32		
	16.00	234.4	129.3	136.53		
	17.00	242.4	137.2	136.71		
	18.00	250.7	145.6	136.86		
	19.00	258.1	153.0	137.01		
	20.00	265.8	160.6	137.16		
	21.00	273.1	168.0	137.30		
	22.00	279.6	174.5	137.45		
	23.00	286.3	181.1	137.61		
	24.00	293.2	188.1	137.71		
	25.00	299.6	194.4	137.84		
	26.00	305.9	200.8	137.97		
	27.00	312.3	207.1	138.09		
	28.00	318.7	213.6	138.20		
	29.00	324.1	218.9	138.33		
***** End Flow 1	30.00	329.6	224.5	138.42		
***** Start Shutin 1	0.00	329.6	0.0	138.42	0.0000	0.109
	1.00	415.1	85.5	138.51	31.0000	0.172
	2.00	607.6	278.0	138.65	16.0000	0.369
	3.00	682.7	353.0	138.81	11.0000	0.466
	4.00	717.0	387.4	138.95	8.5000	0.514
	5.00	736.8	407.2	139.09	7.0000	0.543
	6.00	750.0	420.3	139.20	6.0000	0.562
	7.00	759.3	429.7	139.29	5.2857	0.577
	8.00	766.4	436.8	139.36	4.7500	0.587
	9.00	772.0	442.4	139.44	4.3333	0.596
	10.00	776.6	447.0	139.50	4.0000	0.603
	11.00	780.4	450.8	139.53	3.7273	0.609
	12.00	783.8	454.1	139.58	3.5000	0.614
	13.00	786.5	456.9	139.60	3.3077	0.619
	14.00	788.9	459.3	139.63	3.1429	0.622
	15.00	791.2	461.6	139.65	3.0000	0.626
	16.00	793.3	463.7	139.67	2.8750	0.629
	17.00	795.1	465.4	139.67	2.7647	0.632
	18.00	796.8	467.1	139.69	2.6667	0.635

15-071-20669-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10000 DST #1 Hoffman #1 Ricks Exploration Inc.

DATE: 06/23/97

TIME: 11:01:57

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
19.00	798.4	468.8	139.70	2.5789	0.637
20.00	799.7	470.1	139.70	2.5000	0.640
21.00	801.0	471.4	139.70	2.4286	0.642
22.00	802.4	472.7	139.70	2.3636	0.644
23.00	803.4	473.8	139.70	2.3043	0.646
24.00	804.6	475.0	139.70	2.2500	0.647
25.00	805.7	476.1	139.70	2.2000	0.649
26.00	806.8	477.1	139.68	2.1538	0.651
27.00	807.5	477.9	139.68	2.1111	0.652
28.00	808.5	478.9	139.69	2.0714	0.654
29.00	809.3	479.7	139.67	2.0345	0.655
30.00	810.1	480.5	139.67	2.0000	0.656
31.00	810.9	481.3	139.65	1.9677	0.658
32.00	811.7	482.1	139.64	1.9375	0.659
33.00	812.5	482.8	139.64	1.9091	0.660
34.00	813.2	483.5	139.64	1.8824	0.661
35.00	813.8	484.1	139.63	1.8571	0.662
36.00	814.4	484.8	139.63	1.8333	0.663
37.00	815.1	485.4	139.61	1.8108	0.664
38.00	815.6	486.0	139.60	1.7895	0.665
39.00	816.2	486.5	139.59	1.7692	0.666
40.00	816.8	487.2	139.59	1.7500	0.667
41.00	817.3	487.6	139.58	1.7317	0.668
42.00	817.9	488.2	139.57	1.7143	0.669
43.00	818.4	488.7	139.57	1.6977	0.670
44.00	818.9	489.3	139.55	1.6818	0.671
45.00	819.4	489.8	139.54	1.6667	0.671
46.00	819.9	490.2	139.54	1.6522	0.672
47.00	820.3	490.7	139.53	1.6383	0.673
48.00	820.8	491.2	139.53	1.6250	0.674
49.00	821.2	491.6	139.51	1.6122	0.674
50.00	821.6	492.0	139.51	1.6000	0.675
51.00	822.1	492.5	139.50	1.5882	0.676
52.00	822.5	492.9	139.50	1.5769	0.677
53.00	822.9	493.3	139.48	1.5660	0.677
54.00	823.2	493.6	139.48	1.5556	0.678
55.00	823.7	494.0	139.47	1.5455	0.678
56.00	824.1	494.5	139.47	1.5357	0.679
57.00	824.4	494.8	139.47	1.5263	0.680
58.00	824.8	495.1	139.45	1.5172	0.680
59.00	825.1	495.4	139.45	1.5085	0.681
60.00	825.5	495.8	139.43	1.5000	0.681
61.00	825.7	496.1	139.43	1.4918	0.682
***** End Shut-in 1					
***** Start Flow 2					
0.00	374.7	0.0	139.24		
1.00	375.0	0.3	139.15		
2.00	375.6	0.8	139.11		
3.00	374.3	-0.4	139.11		
4.00	370.9	-3.8	139.15		
5.00	368.6	-6.2	139.20		
6.00	370.1	-4.6	139.26		
7.00	374.3	-0.4	139.31		

15-071-20669-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10000 DST #1 Hoffman #1 Ricks Exploration Inc.

DATE: 06/23/97

TIME: 11:01:57

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
8.00	379.9	5.1	139.39		
9.00	386.0	11.2	139.47		
10.00	391.9	17.1	139.54		
11.00	397.1	22.4	139.60		
12.00	402.3	27.6	139.67		
13.00	407.0	32.2	139.75		
14.00	411.9	37.2	139.80		
15.00	417.0	42.2	139.86		
16.00	421.8	47.0	139.92		
17.00	426.9	52.2	139.97		
18.00	431.4	56.6	140.02		
19.00	435.7	60.9	140.06		
20.00	439.6	64.9	140.10		
21.00	443.3	68.5	140.14		
22.00	447.1	72.4	140.18		
23.00	450.5	75.8	140.21		
24.00	454.2	79.4	140.24		
25.00	457.5	82.7	140.28		
26.00	460.8	86.1	140.31		
27.00	464.2	89.5	140.36		
28.00	467.5	92.7	140.38		
29.00	471.0	96.3	140.44		
30.00	473.9	99.1	140.46		
31.00	476.9	102.2	140.51		
32.00	480.1	105.3	140.55		
33.00	482.9	108.2	140.58		
34.00	485.7	111.0	140.62		
35.00	488.5	113.7	140.64		
36.00	491.3	116.6	140.69		
37.00	493.1	118.4	140.71		
38.00	494.8	120.1	140.73		
39.00	496.8	122.0	140.76		
40.00	498.5	123.8	140.79		
41.00	503.6	128.8	140.80		
42.00	504.1	129.4	140.82		
43.00	505.7	130.9	140.84		
44.00	507.4	132.7	140.86		
45.00	509.6	134.9	140.87		
46.00	510.5	135.8	140.89		
47.00	514.4	139.7	140.90		
48.00	515.8	141.1	140.91		
49.00	517.4	142.7	140.94		
50.00	520.3	145.5	140.95		
51.00	522.4	147.6	140.97		
52.00	524.9	150.2	140.97		
53.00	527.0	152.3	140.99		
54.00	529.5	154.8	141.00		
55.00	531.1	156.4	141.01		
56.00	533.5	158.8	141.02		
57.00	535.6	160.8	141.03		
***** End Flow 2					
***** Start Shutin 2	0.00	535.6	0.0	141.03	0.0000 0.287

15-071-20669-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10000 DST #1 Hoffman #1 Ricks Exploration Inc.

DATE: 06/23/97

TIME: 11:01:57

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
1.00	649.7	114.1	141.06	88.0000	0.422
2.00	698.0	162.4	141.09	44.5000	0.487
3.00	720.8	185.2	141.13	30.0000	0.520
4.00	733.7	198.1	141.17	22.7500	0.538
5.00	741.9	206.4	141.21	18.4000	0.550
6.00	747.8	212.3	141.24	15.5000	0.559
7.00	752.3	216.7	141.27	13.4286	0.566
8.00	755.8	220.3	141.30	11.8750	0.571
9.00	758.8	223.2	141.32	10.6667	0.576
10.00	761.3	225.7	141.35	9.7000	0.580
11.00	763.3	227.8	141.35	8.9091	0.583
12.00	765.1	229.6	141.36	8.2500	0.585
13.00	766.8	231.2	141.38	7.6923	0.588
14.00	768.3	232.8	141.39	7.2143	0.590
15.00	769.7	234.1	141.40	6.8000	0.592
16.00	770.8	235.2	141.39	6.4375	0.594
17.00	771.8	236.3	141.40	6.1176	0.596
18.00	772.9	237.4	141.40	5.8333	0.597
19.00	773.8	238.2	141.40	5.5789	0.599
20.00	774.7	239.2	141.40	5.3500	0.600
21.00	775.6	240.1	141.40	5.1429	0.602
22.00	776.5	240.9	141.40	4.9545	0.603
23.00	777.3	241.7	141.37	4.7826	0.604
24.00	778.1	242.5	141.38	4.6250	0.605
25.00	778.6	243.1	141.39	4.4800	0.606
26.00	779.4	243.9	141.37	4.3462	0.608
27.00	780.1	244.5	141.36	4.2222	0.608
28.00	780.7	245.1	141.35	4.1071	0.609
29.00	781.2	245.7	141.35	4.0000	0.610
30.00	781.8	246.3	141.34	3.9000	0.611
31.00	782.5	246.9	141.33	3.8065	0.612
32.00	783.0	247.4	141.31	3.7188	0.613
33.00	783.6	248.1	141.30	3.6364	0.614
34.00	784.1	248.5	141.29	3.5588	0.615
35.00	784.6	249.0	141.28	3.4857	0.616
36.00	785.2	249.6	141.26	3.4167	0.617
37.00	785.6	250.1	141.25	3.3514	0.617
38.00	786.1	250.5	141.25	3.2895	0.618
39.00	786.6	251.0	141.23	3.2308	0.619
40.00	787.0	251.4	141.21	3.1750	0.619
41.00	787.4	251.8	141.20	3.1220	0.620
42.00	787.8	252.2	141.18	3.0714	0.621
43.00	788.3	252.7	141.16	3.0233	0.621
44.00	788.5	253.0	141.15	2.9773	0.622
45.00	788.9	253.4	141.13	2.9333	0.622
46.00	789.3	253.7	141.11	2.8913	0.623
47.00	789.6	254.1	141.10	2.8511	0.623
48.00	790.2	254.6	141.08	2.8125	0.624
49.00	790.5	254.9	141.05	2.7755	0.625
50.00	790.9	255.3	141.04	2.7400	0.625
51.00	791.2	255.7	141.02	2.7059	0.626

15-071-20669-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10000 DST #1 Hoffman #1 Ricks Exploration Inc.
 DATE: 06/23/97 TIME: 11:01:57

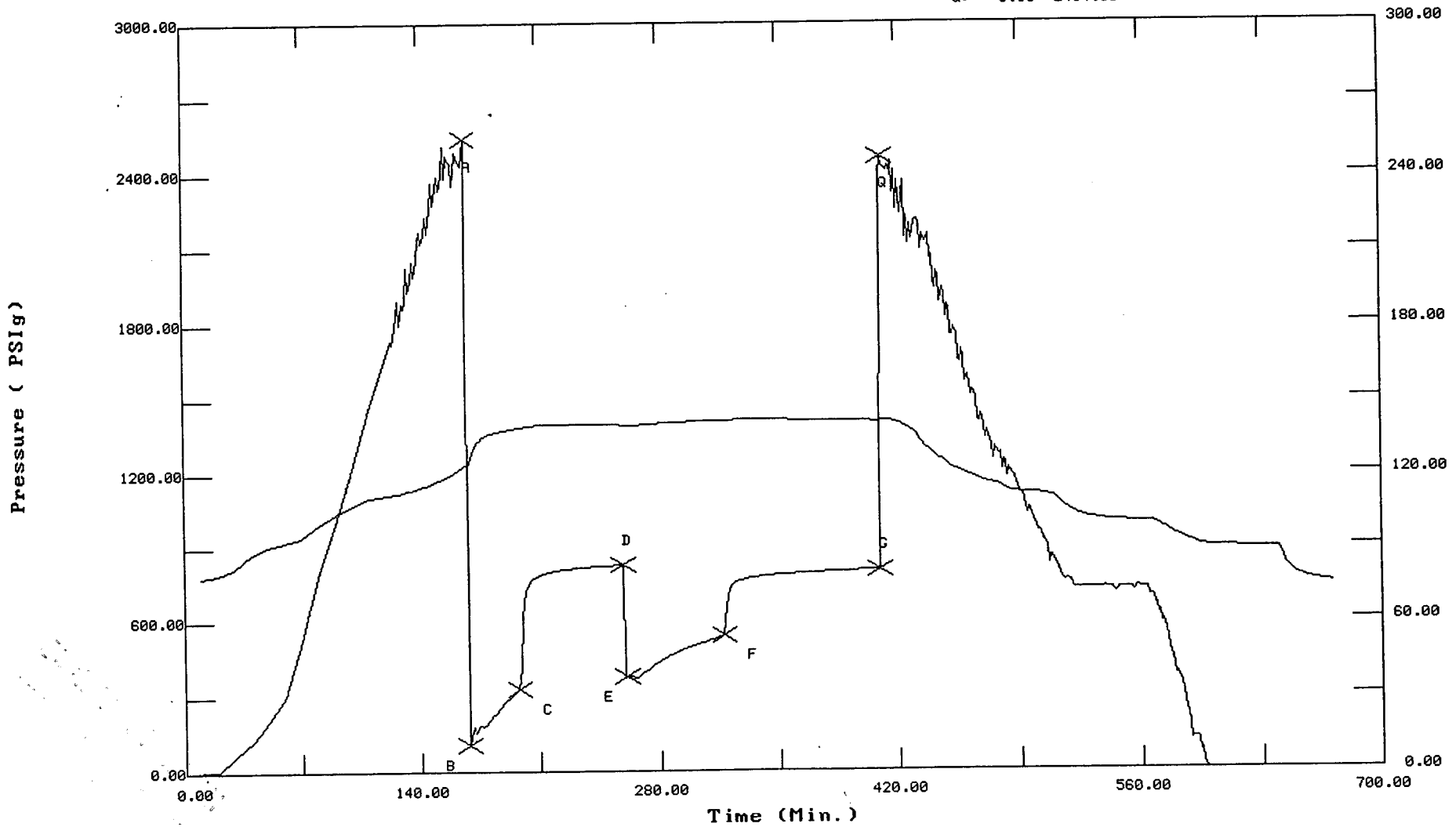
Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
52.00	791.5	256.0	141.01	2.6731	0.627
53.00	791.9	256.4	140.99	2.6415	0.627
54.00	792.3	256.8	140.98	2.6111	0.628
55.00	792.7	257.1	140.97	2.5818	0.628
56.00	792.9	257.4	140.95	2.5536	0.629
57.00	793.3	257.7	140.94	2.5263	0.629
58.00	793.6	258.1	140.92	2.5000	0.630
59.00	793.9	258.3	140.91	2.4746	0.630
60.00	794.3	258.7	140.89	2.4500	0.631
61.00	794.6	259.0	140.88	2.4262	0.631
62.00	794.8	259.3	140.87	2.4032	0.632
63.00	795.1	259.5	140.86	2.3810	0.632
64.00	795.4	259.9	140.85	2.3594	0.633
65.00	795.8	260.3	140.85	2.3385	0.633
66.00	796.0	260.5	140.83	2.3182	0.634
67.00	796.4	260.8	140.84	2.2985	0.634
68.00	796.5	261.0	140.80	2.2794	0.634
69.00	796.8	261.3	140.78	2.2609	0.635
70.00	797.2	261.6	140.76	2.2429	0.636
71.00	797.4	261.8	140.77	2.2254	0.636
72.00	797.7	262.1	140.76	2.2083	0.636
73.00	798.0	262.4	140.75	2.1918	0.637
74.00	798.4	262.8	140.75	2.1757	0.637
75.00	798.7	263.2	140.75	2.1600	0.638
76.00	798.9	263.4	140.74	2.1447	0.638
77.00	799.2	263.6	140.73	2.1299	0.639
78.00	799.5	263.9	140.71	2.1154	0.639
79.00	799.7	264.1	140.71	2.1013	0.640
80.00	800.0	264.5	140.70	2.0875	0.640
81.00	800.3	264.7	140.68	2.0741	0.640
82.00	800.5	264.9	140.69	2.0610	0.641
83.00	800.7	265.2	140.69	2.0482	0.641
84.00	801.0	265.4	140.68	2.0357	0.642
85.00	801.2	265.6	140.67	2.0235	0.642
86.00	801.5	265.9	140.66	2.0116	0.642
87.00	801.7	266.1	140.64	2.0000	0.643
88.00	801.9	266.4	140.65	1.9886	0.643
89.00	802.1	266.6	140.63	1.9775	0.643
90.00	802.3	266.8	140.63	1.9667	0.644
91.00	802.6	267.0	140.62	1.9560	0.644
***** End Shut-in 2					
***** Final Hydro.	411.00	2464.9	0.0	140.81	

TEST HISTORY

10000 DST #1 Hoffman #1 Ricks Exploration Inc.

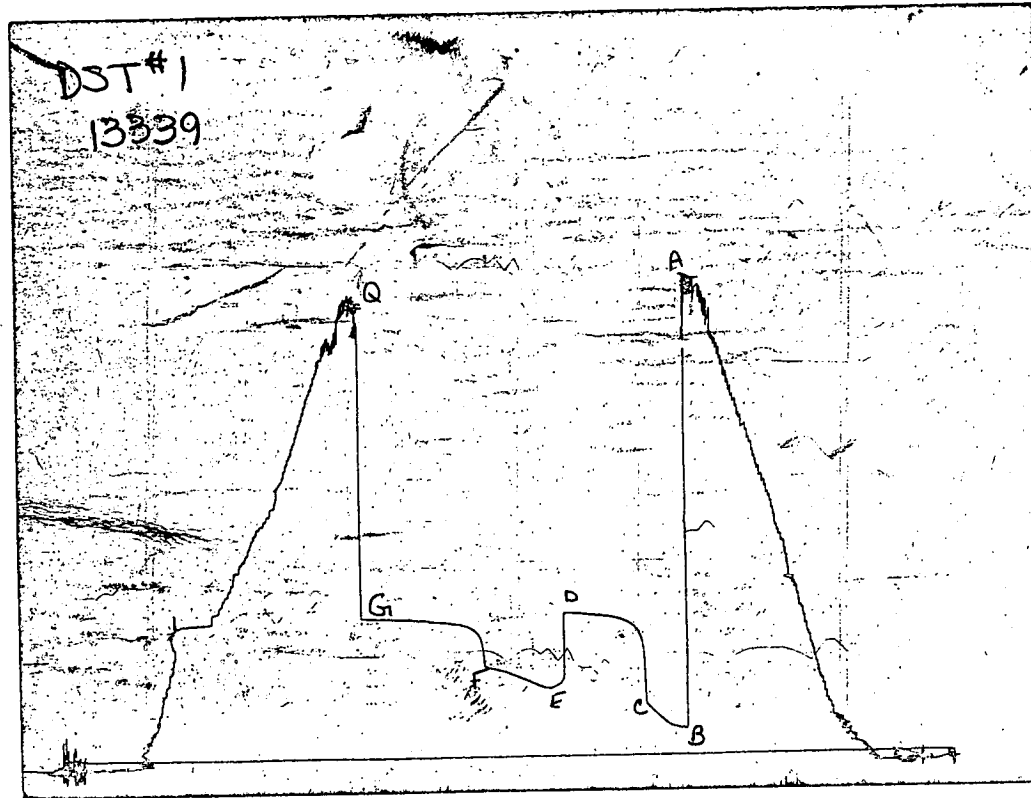
Flag Points
t(Min.) P(PSIg)

A:	0.00	2546.67
B:	0.00	105.15
C:	30.00	329.63
D:	61.00	825.75
E:	0.00	374.74
F:	57.00	535.56
G:	91.00	802.56
Q:	0.00	2464.88



00-00-09902-10-51 Temperature (DEG F)

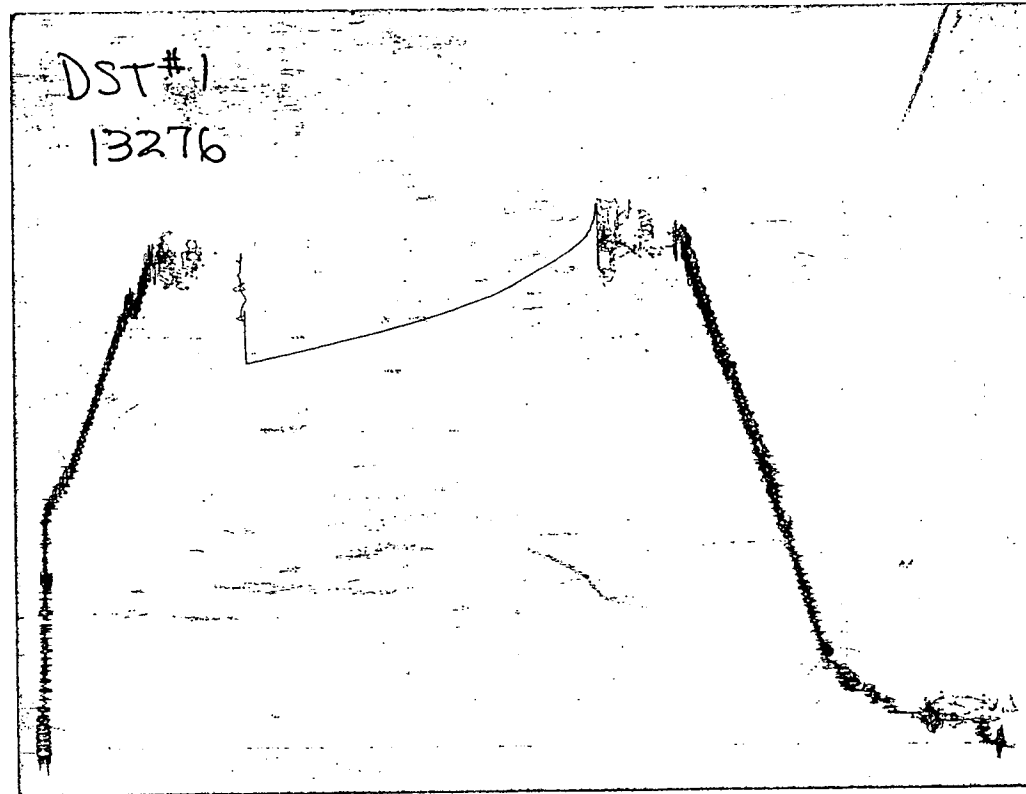
CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

15-071-20669-00-00

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

15-071-20669-00-00

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TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 10000 Date 6.23.97
 Company Name Ricks Explor. Inc. Cont Murfin #24
 Lease Hoffman #1 Test No. 1 Upper Morrow
 County Greeley KS. Sec. 23 Twp. 16^S Rng. 42^W

SAMPLER RECOVERY

Gas 3200 ML
 Oil 300 ML
 Mud - ML
 Water - ML
 Other - ML
 Pressure 500# PSI
 Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 4,800 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 48
 Mud Weight 9.1
 Filtrate 9.8
 Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 38.6 corrected @ 60 F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 15-071-20669-00-00

Test Ticket

No 10000

Well Name & No.	<u>Hoffman #1</u>	Test No.	<u>1</u>	Date	<u>6-23-97</u>
Company	<u>Ricks Exploration, Inc.</u>	Zone Tested	<u>Upper Morrow</u>		
Address	<u>5600 N. May Ave. Ste 350 Dk City, OK. 73112</u>		Elevation	<u>3810</u>	KB <u>3802</u> GL
Co. Rep / Geo.	<u>Bob Cooksey</u>	Cont.	<u>Murfin #24</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>23</u>	Twp.	<u>16^S</u>	Rge.	<u>42^W</u> Co. <u>Greeley</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N)

Interval Tested	<u>4977 - 5002</u>	Initial Str Wt./Lbs.	<u>30,000</u>	Unseated Str Wt./Lbs.	<u>74,000</u>
Anchor Length	<u>25'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>85,000</u>
Top Packer Depth	<u>4972 - 4977</u>	Tool Weight	<u>15,000</u>		
Bottom Packer Depth	<u>5002</u>	Hole Size - 7 7/8"		Rubber Size - 6 3/4"	
Total Depth	<u>(LTD) 5308</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>H-90 506'</u>
Mud Wt. <u>9.1</u> LCM	Vis. <u>48</u> WL <u>9.8</u>	Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>4460'</u>
Blow Description	<u>IF: Fair to strong blow off btm. in 2 1/2 mins</u>				
	<u>ISI: Bled off blow - GTS while bleeding off - blow didn't die down.</u>				
	<u>FF: Gauged gas on 1/2" w/ 42" wtr = 40.7 mcf/day</u>				
	<u>FSI:</u>				

Recovery - Total Feet	<u>1560'</u>	GIP	<u>GTS</u>	Ft. in DC	<u>506'</u>	Ft. in DP	<u>1054'</u>
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	<u>1560'</u>	Feet Of	<u>CGO</u>	<u>50</u> %gas	<u>50</u> %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 141° °F Gravity 39 °API D@ 74° °F Corrected Gravity 38.6 °API
 RW @ °F Chlorides ppm Recovery Chlorides 4,800 ppm System

(A) Initial Hydrostatic Mud	<u>2503</u>	<u>2546</u>	PSI	Recorder No.	<u>2341</u>	T-Started	<u>1101</u>
(B) First Initial Flow Pressure	<u>155</u>	<u>105</u>	PSI	(depth)	<u>4979</u>	T-Open	<u>1350</u>
(C) First Final Flow Pressure	<u>291</u>	<u>329</u>	PSI	Recorder No.	<u>13339</u>	T-Pulled	<u>1750</u>
(D) Initial Shut-in Pressure	<u>799</u>	<u>825</u>	PSI	(depth)	<u>4990</u>	T-Out	<u>2200</u>
(E) Second Initial Flow Pressure	<u>395</u>	<u>374</u>	PSI	Recorder No.	<u>13276</u>		
(F) Second Final Flow Pressure	<u>519</u>	<u>535</u>	PSI	(depth)	<u>5303</u>		
(G) Final Shut-in Pressure	<u>799</u>	<u>802</u>	PSI	Initial Opening	<u>30</u>	Test	
(H) Final Hydrostatic Mud	<u>2443</u>	<u>2464</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>X</u>

AK-1 ALP.

Final Flow	<u>60</u>	Safety Joint	<u>X</u>
Final Shut-in	<u>90</u>	Straddle	<u>X</u>
		Circ. Sub	<u>X 35.00</u>
		Sampler	<u>X</u>
		Extra Packer	<u>X</u>
		Elect. Rec.	<u>X</u>
		Other	
		TOTAL PRICE \$	

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Approved By Bob Cooksey
 Our Representative Rod Steinbrink