

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

Operator: License # 4243

Name: CROSS BAR PETROLEUM, INC.

Address 151 N. MAIN, SUITE 630

City/State/Zip WICHITA, KS 67202-1407

Purchaser: NCG Oil Trading & Transportation, Inc.

Operator Contact Person: ALBERT BRENSING

Phone (316) 265-2279

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: APR 6 1998

Well Name: _____

Comp. Date FROM CONFIDENTIAL Old Total Depth _____

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

04-17-96 04-25-96 04-25-96
Spud Date Date Reached TD Completion Date

API NO. 15- 171-20,497-0000

County Scott

NW NW SW Sec. 6 Twp. 18S Rge. 31 E W

2310 Feet from S/N (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name HUCK Well # 1-6

Field Name BECKLEY NORTH FIELD

Producing Formation MORROW

Elevation: Ground 2961' KB 2966'

Total Depth 4700' PBSD _____

Amount of Surface Pipe Set and Cemented at 281.60'

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2299' Feet

If Alternate II completion, cement circulated from surface

feet depth to 2299' w/ 215 sx cmt.

Drilling Fluid Management Plan ALT 2 874 11-22-96
(Data must be collected from the Reserve Pit)

Chloride content 14,000 ppm Fluid volume 1,285 bbls

Dewatering method used ALLOW TO DRY THEN BACKFILL

Location of fluid disposal if hauled offsite: JUL 22

Operator Name CONFIDENTIAL

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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

Signature [Signature]

Title ALBERT BRENSING, PRESIDENT Date 7-22-96

Subscribed and sworn to before me this 22 day of July, 1996.

Notary Public [Signature]

Date Commission Expires 04-17-97

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)

JO ANN THADEN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-17-97

JUL 23 1996 Form ACO-1 (7-91)
7-23-96
CONSERVATION DIVISION
WICHITA, KS

JANUARY

Operator Name CROSS BAR PETROLEUM, INC. Lease Name Block Well # 1-6

Sec. 6 Twp. 18S Rge. 31 East West
 County SCOTT

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

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run: GEOLOGIST LOG, DUAL COMP. POROSITY,
 DUAL INDUCTION

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

CONFIDENTIAL

SEE EXHIBIT 'A' ATTACHED HERETO FOR FORMATION TOPS

PLEASE KEEP THIS INFORMATION CONFIDENTIAL!!

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"	28#	281.60'	60/40 POZMIX	180	2% gel, 3%CCC GEL -3% CC
PRODUCTION	7-7/8"	5-1/2"	14#	4686'	Halliburton Lite EA-2	50 sk 65 sk	1/4#flocele/sk,SS 5%calseal,18%salt, 7#gilsonite,.06%H-322

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose: PLUGGING	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2299'	Midcon II	215	1/4# sx flocele

N/A 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	4597-4603 (6') Miss. 3-1/2' exp. guns, 37J Charges	500 gal 15% MCA. (21 bbl acid)	4597-4603'
4	4566-80' (14') Morrow " " " " "	500 gal 15% NE, 2 gal Losurf 259 & 1 gal ClaSta XP & re-acidized 4597-4603 & 4566-80' w/ 1500 gal 15% FE, 10% xylene, 3 gal Losurf 259 & 85 ball sealers. & re-acidized 4597-4603 & 4566-80' w/1200 gal 15%FE, 10% xylene, 2 gal TargonII, 3 gal AQF-4, 120,000 scf N2.	4566-80'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4619.96'		<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)			
5-14-96				
Estimated Production Per 24 Hours	Oil 20	Bbls.	Gas 0	Water 0
				Bbls. Gas-Oil Ratio Gravity 30

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 4566-80'
 Other (Specify) _____

ORIGINAL

CONFIDENTIAL

EXHIBIT 'A'

ACO-1

Cross Bar Petroleum, Inc. #1-6 Huck

NW/4 NW/4 SW/4 6-T18S-R31W

Scott County, Kansas

KB: 2966' GL: 2961' API: 15-017-20,497

RESULTS OF DST #1, 4328-90', MARMATON, 30-45-30-45, 1st op - 1-1/2" blow throughout, 2nd op - 1/2" blow throughout. Recovered 10' SOCM (4% Oil), 65' O&WCM (8% O, 10% W - chl 1600 ppm). IHP 2076 IFP 9-9, ISIP 1040, FFP 9-9, FSIP 997, FHP 2076, BHT 119°F. Strap .48' long to board.

RESULTS OF DST #2, 4550-84', MORROW SAND, 45-60-45-90, 1st op - OB in 17", 2nd op - OB in 19", recovered 660' Gas in pipe, 70' M&GCO (20% M, 30% G, 50% O), 60' M&GCO (10% M, 40% O, 50% G), 120' M&GCO (5% M, 35% O, 60% G), no water, IHP 2209 IFP 26-76, ISIP 427, FFP 84-116, FSIP 440, FHP 2206, BHT 123°F.

LOG TOPS

KB 2966'

Formation	Depth	Subsea
Top Anhydrite	2260	+706
Base Anhydrite	2325	+641
Heebner	3906	-940
Lansing	3949	-983
Marmaton	4356	-1390
Cherokee Shale	4472	-1506
Morrow Shale	4562	-1596
Morrow Sand	4566	-1600
	4574	-1608
Mississippian	4581	-1615
RTD	4700	-1734

RELEASED
APR 6 1998
FROM CONFIDENTIAL

REC
JUL 2 2
CONFIDENTIAL

RECEIVED
NATURAL RESOURCES COMMISSION

JUL 2 3 1996

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

5945

ORIGINAL

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

SERVICE POINT:

CONFIDENTIAL *Reality*

DATE <i>4-17-96</i>	SEC. <i>6</i>	TWP. <i>18</i>	RANGE <i>31</i>	CALLED OUT <i>7:00PM</i>	ON LOCATION <i>9:00PM</i>	JOB START <i>11:40PM</i>	JOB FINISH <i>12:00PM</i>
LEASE <i>Huck</i>	WELL #	LOCATION <i>S. H. City, 6E-2 1/2 N - Ende</i>			COUNTY <i>Scott</i>	STATE <i>KS</i>	

OLD OR NEW (Circle one)

CONTRACTOR *Allegre/Comline*

TYPE OF JOB *Spill plug*

HOLE SIZE *12 1/2"* T.D. *286*

CASING SIZE *5 7/8" 28"* DEPTH *282*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

OWNER *Same*

CEMENT

AMOUNT ORDERED *15060/40223*

COMMON @

POZMIX **RELEASED** @

GEL @

CHLORIDE *APR 6 1996* @

EQUIPMENT

PUMP TRUCK CEMENTER *Mike*

224 HELPER *Bob*

BULK TRUCK

116 DRIVER *Bill*

BULK TRUCK

DRIVER

FROM CONFIDENTIAL

HANDLING @ *JUL 2 2*

MILEAGE *RECEIVED* @

CONFIDENTIAL

JUL 23 1996 TOTAL

REMARKS:

Run 282 5 7/8" 28" casing - Break circulation with Reg. cement with 15060/40223 - Displaced with 116 88' - Wash H₂O cement and circulate

*Thank you
Mike Comline
Mike Bob Bill*

CHARGE TO: *Cross Bar*

STREET

CITY STATE ZIP

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG *1-5 7/8" wooden* @

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

CONFIDENTIAL

ORIGINAL

FROM: HALIBURTON!!!!!!

FAX NO.: 9136252536

14-05-96 01:38P

P. 02 PAGE NO. 1



JOB LOG HAL-2013-C

CUSTOMER Cross bar	WELL NO. 1-6	LEASE Huck	JOB TYPE 5 1/2 L.S	TICKET NO. 915371
-----------------------	-----------------	---------------	-----------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

1	2200							Called out 4-24-96
	2500							on location w/ equip + cnt
								65 SKS HLC 1/4" Fluoce
								65 SKS EA-2 w/ 5% cal-sol 18%
								SALT, 7# Gilsomite/SK 6/10% KI-322
								12 SKS Super Flush.
								Discuss safety, set up + plan job
	0550							ceq on Bottom
	0600							Hook up + circ w/ mud Hog + Rotate Pipe
								Hook up to cnt well
	0707		25					Pump 25 BBLs cl-fix II water
			12					Pump 12 BBLs Super Flush
			5					Pump 5 BBLs cl-fix II water
	0727		4.7					Plug RAT Hole w/ 15 SKS HLC
	0730	5	15 ⁸					start mix cnt for ceq 50 SKS
								HLC w/ 1/4" Kincaid/SK
		5	16					65 SKS EA-2 w/ 5% cal-sol, 18%
								18% SALT, 7# Gilsomite, 6/10%
	0740							HALAD 300 - Fin mix
	0741							wash out pump + line
								Release Plug
	0743	6.2						200' start deep casing and
		5.4						800' PSI increase Rotate Pipe
	0800		113					1200' Plug Land and insert
								0' Release PSI - OK
								Wash up equip + pack up.
	0820							Job complete

RELEASED
APR 6 1998

FROM CONFIDENTIAL

JUL 22
CONFIDENTIAL

RECEIVED
CORPORATION COMMISSION

JUL 26 1996

REGISTRATION DIVISION
WICHITA, KS

thanks Allen, Row, Doug

FROM: HALLIBURTON

ORIGINAL SUMMARY

WELL NO.: 9136252536
HALLIBURTON LOCATION: Kays Ks

CONFIDENTIAL

DATE: 01:38P P.01
BILLED ON TICKET NO: 725 577

WELL DATA

FIELD _____ SEC 6 TWP 18 RNG 31 COUNTY Scott STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD WATER _____ BPD GAS _____ MCFD _____
PRESENT PROD: OIL _____ BPD WATER _____ BPD GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP _____ PRESSURE _____
MISC DATA _____ TOTAL DEPTH 4700

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	14	5 1/2	KB	4680	
LINER						
TUBING						
OPEN HOLE				4680	4700	SHOTS-FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-24-96</u> TIME <u>2200</u>	DATE <u>4-25-96</u> TIME <u>0500</u>	DATE <u>4-25-96</u> TIME <u>0530</u>	DATE <u>4-25-96</u> TIME <u>0900</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
RELEASED		
APR 6 1998		
	NUL	
	JUL 22	
	CONFIDENTIAL	

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 ^PAPI
DISPL FLUID _____ DENSITY _____ LB/GAL ^PAPI
PROP TYPE _____ SIZE _____ LB
PROP TYPE _____ SIZE _____ LB
ACID TYPE _____ GAL _____ %
ACID TYPE _____ GAL _____ %
ACID TYPE _____ GAL _____ %
SURFACTANT TYPE _____ GAL _____ IN
NE AGENT TYPE _____ GAL _____ IN
FLUID LOSS ADD TYPE _____ GAL -LB _____ IN
GELLING AGENT TYPE _____ GAL -LB _____ IN
FR. RED AGENT TYPE _____ GAL -LB _____ IN
BREAKER TYPE _____ GAL -LB _____ IN
BLOCKING AGENT TYPE _____ GAL -LB _____
PERFRAC BALLS TYPE _____ QTY _____
OTHER _____
OTHER _____

DEPARTMENT CH1
DESCRIPTION OF JOB 5/2 C.I.S.
JOB DONE THRU: TUBING CASING ANNULUS TEST ANN
CUSTOMER REPRESENTATIVE X T.C. Person
HALLIBURTON OPERATOR D F Work COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	SPAND	BULK SACKED	ADDITIVES	YIELD CUFT/SK	MIXED LBS/GAL
	<u>50</u>	<u>NLC</u>	<u>Poif</u>	<u>B</u>	<u>1/4% H-322</u>	<u>1.98</u>	<u>12.4</u>
	<u>65</u>	<u>SA-2</u>	<u>Poif</u>	<u>B</u>	<u>50% cal. salt, 18% salt, 7% Gilsaint, 1/10% H-322</u>	<u>1.38</u>	<u>14.7</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURM BEL-GAL _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD A BRIN BEL-GAL _____ PAD BEL-GAL _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT BEL-GAL _____ DISPL BEL-GAL 113
SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY BEL-GAL 36 1/2
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME BEL-GAL _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 41' REASON Shut It.

REMARKS

see Job 1-9 & Chart
Thanks Allen, Row, Doug



JOB SUMMARY

HALLIBURTON DIVISION Med. Cont. NW4
 HALLIBURTON LOCATION Hays, KS

BILLED ON TICKET NO. 839699

WELL DATA

FIELD _____ SEC. 6 TWP. 18 RNG. 31 COUNTY Scott STATE Ks

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE Port Collar SET AT 2300ft
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 4100

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>u</u>	<u>14</u>	<u>5 1/2</u>	<u>KB</u>	<u>4100</u>	
LINER						
TUBING	<u>u</u>		<u>2 3/8</u>	<u>GL</u>	<u>2300</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-1-96</u>	DATE <u>5-1-96</u>	DATE <u>5-1-96</u>	DATE <u>5-1-96</u>
TIME <u>06:00</u>	TIME <u>09:00</u>	TIME <u>10:30</u>	TIME <u>14:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Fuchs B1493</u>	<u>53293</u>	
<u>D. Ash E1109</u>	<u>Combo</u>	<u>Hays, Ks</u>
<u>J. Ortega H1924</u>	<u>51252</u>	<u>Hays, Ks</u>
	<u>TL</u>	
	<u>26103</u>	<u>Hays, Ks</u>
	<u>Trailer</u>	
	<u>18074</u>	<u>Hays, Ks</u>
	<u>Car</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. ^oAPI
 DISPL. FLUID _____ DENSITY _____ LB./GAL. ^oAPI
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL. -LB. _____ IN
 GELLING AGENT TYPE _____ GAL. -LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL. -LB. _____ IN
 BREAKER TYPE _____ GAL. -LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL. -LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Cont
 DESCRIPTION OF JOB Cont Thru Baker Port collar w/ 2200sks MID con II
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X T.C. Janson
 HALLIBURTON OPERATOR S. J. Fuchs COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>250</u>	<u>MEO Con B</u>	<u>Msocon</u>	<u>B</u>	<u>2200 1/4 # Floccle</u>	<u>3.20</u>	<u>11.1</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL. -GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL. -GAL. _____ PAD: BBL. -GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL. -GAL. _____ DISPL. BBL. -GAL. 9
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL. -GAL. 142.48
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL. -GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET Return REASON None

REMARKS

FIELD OFFICE

CUSTOMER CROSS Bore Petroleum Lease HUCK WELL NO. 1-6 JOB TYPE: Top outside the Pipeline DATE: 5-1-96

CUSTOMER **Crossbar Pet.** WELL NO. **1-6** LEASE **Huck** JOB TYPE **Top-side - Port Collar** TICKET NO. **839699**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
#1	06:00							Called out
	09:00							On location
	10:45							Start head in hole
	12:00							Locate port collar
	12:05					1500	1500	Pressure tbg & csg to 1500PSI
	12:10					1500	1500	Holding
	12:15					300	300	Released pressure to 300PSI
	12:20							Opened port collar
	12:25					400	400	Took injection rate 3bpm at 400PSI
								Good blow on broader head
	12:30							Started mixing cement
								w/ 14bbl pumped circulation established
						500	500	205 sks mixed cement circulation
	13:00	4	115					Pumped 6bbl demulsified mudcon 2al
	13:02							Started displacement
	13:06	2	8			600	600	Displaced 8bbls
	13:09							Closed port collar
	13:10					1500	1500	Pressured tbg & csg to 1500PSI
	13:11					1500	1500	Holding
	13:15							Released pressure
	13:20							Run 3 joints
	13:30							Reverse out
	13:40	2	20					20bbls pumped
	13:40	2	20					Done reversing out
	13:45							washed up trk.
	13:55							Racked up
	14:00							Job completed
								Thank you
								Ed
								Circulated 20 sks to pit
								35 sks still on bull tkl
								Cmt circ.
								J.D.

 RELEASED
 APR 6 1998

FROM CONFIDENTIAL



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Concho Permian
 ADDRESS: Chilton, TX
 CITY, STATE, ZIP CODE: Chilton, TX 79520

CUSTOMER COPY
 TICKET No. **839699 - 3**
 PAGE 1 OF 1

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>1-6</u>	LEASE <u>Huck</u>	COUNTY/PARISH <u>State</u>	STATE <u>K</u>	CITY/OFFSHORE LOCATION <u>Honey K</u>	DATE <u>5-1-98</u>	OWNER <u>S...</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Fr...</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <u>...</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>95</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS-						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		EOC	ACCT	DF							
					MILEAGE						
					P...						
					H...						

RELEASED
APR 6 1998
FROM CONFIDENTIAL

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 [Signature]
 DATE SIGNED: 5-1-98 TIME SIGNED: 9:00 A.M. P.M.

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

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 226060
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 689414
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?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?		<input type="checkbox"/> YES	<input type="checkbox"/> NO		
		<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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>[Signature]</u>	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
---	---	-------------------------------	-------	----------------------



TRK 51252-79103

TICKET CONTINUATION CUSTOMER COPY

TICKET No. _____

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Crossbar	WELL Huck #1-6	DATE 5-1-96	PAGE 	OF
-----------------------------	--------------------------	-----------------------	----------	--------

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-280		1			MidConII	250				12 78	3,195 00
309-406		1			Calcium Chloride	4				36 73	147 00
507-210		1			Flocele	63	lb			1 65	103 15
<p>RELEASED APR 6 1998 FROM CONFIDENTIAL</p>											
500-207		1			SERVICE CHARGE	CUBIC FEET 262				1 33	353 170
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 24,620	LOADED MILES 110	TON MILES 1,354.100		95	1,286 40

No. B 302466

CONTINUATION TOTAL **5,081.05**

CUSTOMER COPY



HALLIBURTON

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.

839699 05/01/1996

HUCK 1-6

SCOTT

KS SAME

HAYS

BLOCK SQUEEZE

05/01/1996

202259 TOM LARSON

COMPANY TRUCK 07478

CROSS BAR PETROLEUM INC
CENTRE CITY PLAZA
151 NORTH MAIN SUITE 630
WICHITA, KS 67202-1407

DIRECT CORRESPONDENCE TO:

P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT				
000-117	MILEAGE CEMENTING ROUND TRIP	220 MI	2.85	627.00
		1 UNT		
009-134	CEMENT SQUEEZE	2300 FT	1,490.00	1,490.00
009-019		1 UNT		
116-228	STRIPPER TYPE HEAD		143.00	143.00
		1 EA		
504-280	MIDCON-2 STANDARD CEMENT	215 SK	12.76	2,743.40
509-406	ANHYDROUS CALCIUM CHLORIDE	4 SK	36.75	147.00
507-210	FLOCELE	63 LB	1.65	103.95
500-207	BULK SERVICE CHARGE	262 CFT	1.35	353.70
500-306	MILEAGE CNTG MAT DEL OR RETURN	1354.100 TMI	.95	1,286.40

INVOICE SUBTOTAL

6,894.45

DISCOUNT- (BID)

1,723.60-

INVOICE BID AMOUNT

5,170.85

*- KANSAS STATE SALES TAX

170.32

*- HAYS CITY SALES TAX

34.76

RELEASED
APR 6 1998
FROM CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** \$5,375.93

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

ORIGINAL

INVOICE

ORIGINAL



HALLIBURTON

CONFIDENTIAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

RECEIVED APR 29 1996

INVOICE NO.	DATE
915371	04/25/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
HUCK 1-6	SCOTT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
HAYS	ABERCROMBIE DRILLING	CEMENT PRODUCTION CASING	04/25/1996		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
202259	T C LARSON	RELEASED		COMPANY TRUCK	07145

APR 6 1998

CROSS BAR PETROLEUM INC
CENTRE CITY PLAZA
151 NORTH MAIN SUITE 630
WICHITA, KS 67202-1407

FROM CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	220	MI	2.85	627.00
		1	UNT		
001-016	CEMENTING CASING	4700	FT	1,765.00	1,765.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5.5	IN	65.00	65.00
		1	EA		
018-317	SUPER FLUSH	12	SK	100.00	1,200.00
60	WIPER-ROTO WALL CLEANER	1	EA	18.30	18.30
806.71201					
504-308	CEMENT - STANDARD	65	SK	9.57	622.05
504-316	CEMENT - HALL. LIGHT STANDARD	65	SK	8.80	572.00
507-210	FLOCELE	16	LB	1.65	26.40
509-968	SALT	500	LB	.15	75.00
508-127	CAL SEAL 60	3	SK	25.90	77.70
508-291	GILSONITE BULK	455	LB	.40	182.00
507-775	HALAD-322	36	LB	7.00	252.00
500-207	BULK SERVICE CHARGE	151	CFT	1.35	203.85
500-306	MILEAGE CMTG MAT DEL OR RETURN	719.015	TMI	.95	683.06
314-163	CLAYFIX II	4	GAL	28.00	112.00

INVOICE SUBTOTAL

JUL 2 2

6,481.36

DISCOUNT-(BID)

CONFIDENTIAL

1,685.13-

INVOICE BID AMOUNT

JUL 2 5 1998

4,796.23

*-KANSAS STATE SALES TAX

98.00

*-HAYS CITY SALES TAX

20.00

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

\$4,914.23

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

JOB LOG HAL-2013-C

CUSTOMER Cross bar	WELL NO. 1-6	LEASE HUCK	JOB TYPE 5/2 L.S	TICKET NO. 915371
------------------------------	------------------------	----------------------	----------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	2200							Called out 4-24-96
	2500							on location w/ Equip + cmt
								65 SKS HLC 1/4" H Flouele
								65 SKS EA-2 w/ 5% cal-sed 18%
								SALT, 7# G. l. sulfate / SK 1/10% H-322
								12 SKS Super Flush
								Discuss safety, set up + plan job
	0550							csq on Bottom
	0600							Hook up + circ w/ mud Hog + Rotate Pipe
								Hook up to cmt well
	0707		25					Pump 25 Bbls cln-fix II water
			12					Pump 12 Bbls Super Flush
			5					Pump 5 Bbls cln-fix II water
	0727		4.7					Plug RAT Hole w/ 15 SKS HLC
	0730	5	15.8					start mix cmt for csq. soaks
								HLC w/ 1/4" H Flouele / SK
		5	16					65 SKS EA-2 w/ 5% cal-sed, 18% SALT, 7# G. l. sulfate, 1/10% HALAD 322 - Fin mix
	0740							Washout Pump + Line
	0741							Release Plug
	0743	6.2						2000 ^{psi} Start Disp casing cap 11500 ^{psi}
		5.4						800 ^{psi} PSI Increase Rotate Pipe
	0800		11.3					1200 ^{psi} Plug Land and insert
								0 ^{psi} Release PSI - OK
								Washup Equip + RACE up
	0900							Job complete
								NUL
								RECEIVED JUL 22
								CONFIDENTIAL
								JUL 23 1996
								THANKS ALLOW, ROW, DAVG

RELEASED
APR 6 1998
FROM CONFIDENTIAL

CONFIDENTIAL

15-171-20497

WELL NAME: Huck #1-6
OPERATOR: Cross Bar Petroleum Inc
LOCATION: Sec 6 Twp 18S Rge 31W
Scott County Kansas
DATE: 04/23/96

CONFIDENTIAL

RELEASED
APR 6 1998
FROM CONFIDENTIAL

NOV
JUL 22
CONFIDENTIAL

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Huck #1-6
LOCATION : 6-18S-31W, Scott Cty KS
INTERVAL : 4328.00 To 4390.00 ft

DATE 04/22/96
KB 2969.00 ft TICKET NO: 8449 DST #1
GR 2964.00 ft FORMATION: Marmaton
TD 4390.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10992	10992	11086			PF Fr. 1921 to 1951 hr
SI 45	Range (Psi)	4250.0	4250.0	4350.0	0.0	0.0	IS Fr. 1951 to 2036 hr
SF 30	Clock (hrs)	AK-1	AK-1	AK-1			SF Fr. 2036 to 2106 hr
FS 45	Depth(ft)	4387.0	4387.0	4367.0	0.0	0.0	FS Fr. 2106 to 2151 hr

	Field	1	2	3	4	
A. Init Hydro	2076.0	2081.0	0.0	0.0	0.0	T STARTED 1745 hr
B. First Flow	9.0	81.0	0.0	0.0	0.0	T ON BOTM 1919 hr
B1. Final Flow	9.0	81.0	0.0	0.0	0.0	T OPEN 1921 hr
C. In Shut-in	1040.0	1041.0	0.0	0.0	0.0	T PULLED 2151 hr
D. Init Flow	9.0	90.0	0.0	0.0	0.0	T OUT 2345 hr
E. Final Flow	9.0	90.0	0.0	0.0	0.0	
F. Fl Shut-in	997.0	994.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2076.0	2078.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs

RECOVERY

Tot Fluid 75.00 ft of 0.00 ft in DC and 0.00 ft in DP
10.00 ft of Oil cut mud - 4% oil, 96% mud
65.00 ft of Slightly oily water cut mud -
8% oil, 10% water, 82% mud

Wt Pulled Loose	88000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	72000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4068.00 ft
H.W. I.D	2.70 in
H.W. Length	285.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Built to 1.5" in bucket in 19 min,
weak to fair blow

Initial Shutin -
Bled off, no blow back

Final Flow -
Weak surface blow

Final Shutin -
Bled off, no blow back

SAMPLES:
SENT TO:

RELEASED
APR 6 1998
FROM CONFIDENTIAL

MUD DATA-----	
Mud Type	Chemical
Weight	9.20 lb/
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Kim Shoemaker
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 1

TICKE 8449

SAMPL #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	10		0	4	0.4		0	96	9.6
2	65		0	8	5.2	10	6.5	82	53.3
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	75	0	0	7.4667	5.6	8.67	6.5	83.867	62.9

HRS OP BBL/DAY

BBL OIL	0.0392	*	1	0.9408
BBL W	0.0455	*		1.092
BBL MU	0.4403			
BBL GA	0			

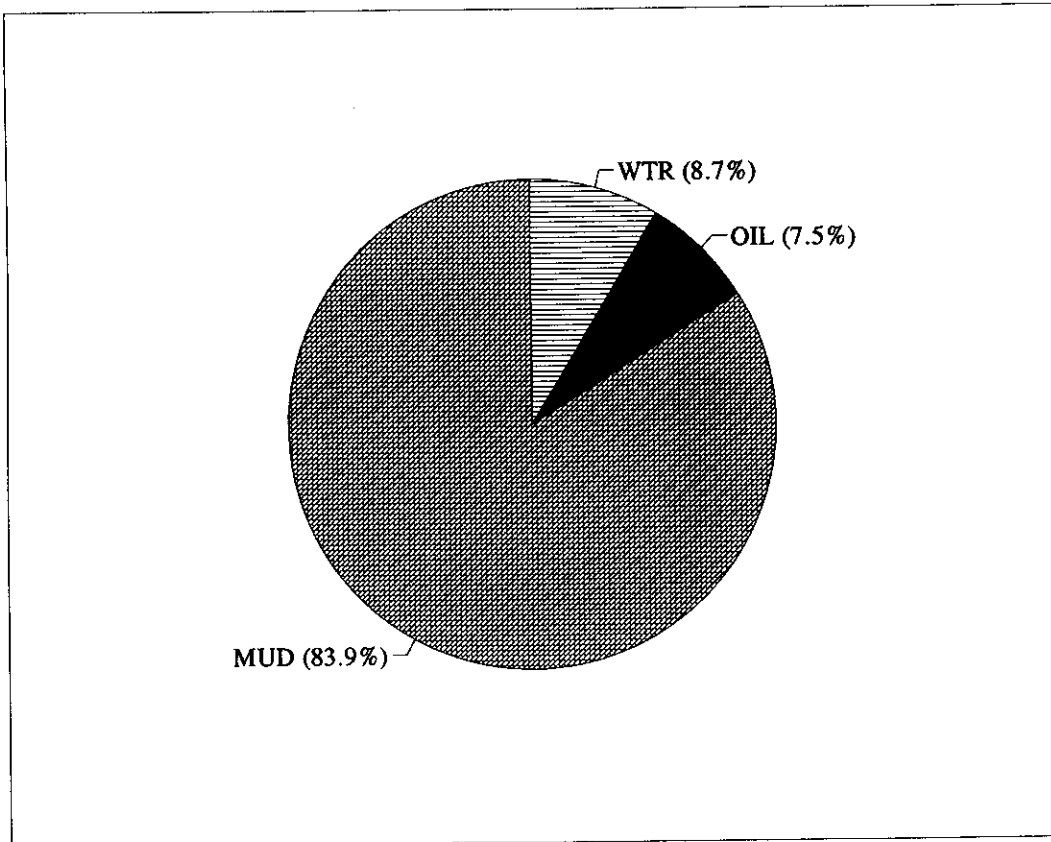
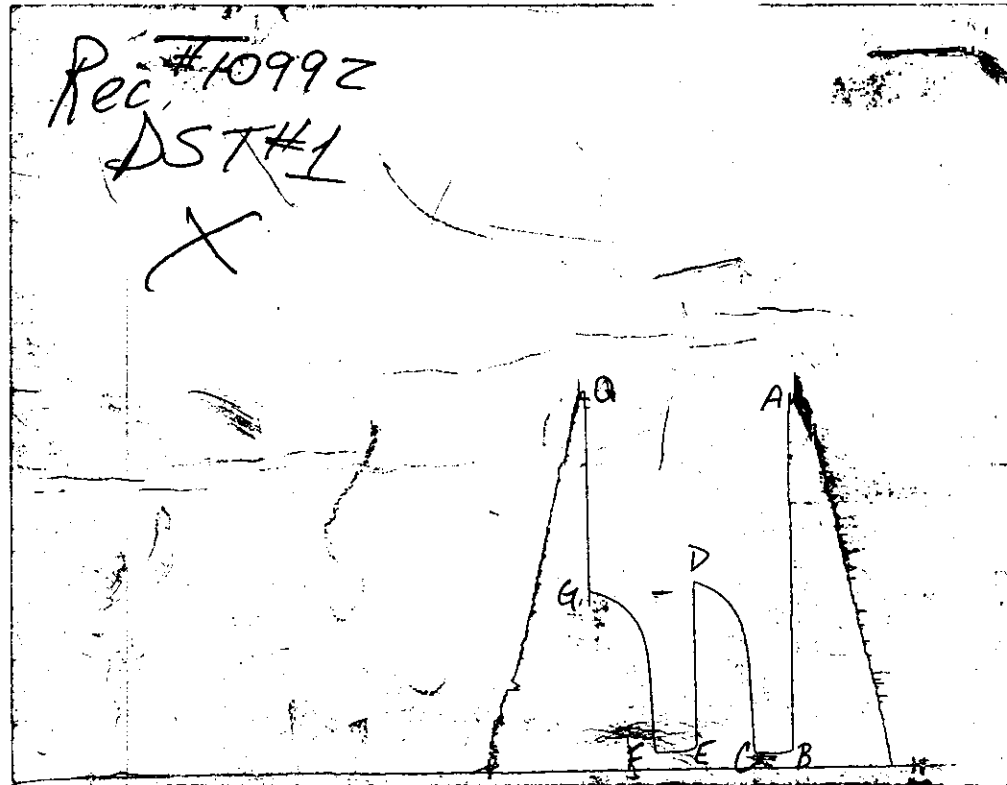


CHART PAGE



CONFIDENTIAL

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

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Huck #1-6
LOCATION : 6-18S-31W, Scott Cty KS
INTERVAL : 4550.00 To 4584.00 ft

DATE 4-23-96
KB 2969.00 ft TICKET NO: 8450 DST #2
GR 2964.00 ft FORMATION: Morrow
TD 4584.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	11086	11086	2350			PF Fr. 2124 to 2209 hr
SI 60 Range(Psi)	4350.0	4350.0	4995.0	0.0	0.0	IS Fr. 2209 to 2309 hr
SF 45 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 2309 to 2354 hr
FS 90 Depth(ft)	4579.0	4579.0	4555.0	0.0	0.0	FS Fr. 2354 to 0124 hr

	Field	1	2	3	4	
A. Init Hydro	2349.0	2338.0	2210.0	0.0	0.0	T STARTED 2000 hr
B. First Flow	87.0	70.0	26.0	0.0	0.0	T ON BOTM 2122 hr
B1. Final Flow	98.0	83.0	77.0	0.0	0.0	T OPEN 2124 hr
C. In Shut-in	436.0	417.0	428.0	0.0	0.0	T PULLED 0124 hr
D. Init Flow	109.0	105.0	85.0	0.0	0.0	T OUT 0340 hr
E. Final Flow	131.0	118.0	117.0	0.0	0.0	
F. Fl Shut-in	436.0	424.0	441.0	0.0	0.0	
G. Final Hydro	2272.0	2240.0	2207.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 250.00 ft of 0.00 ft in DC and 0.00 ft in DP
660.00 ft of Gas in pipe
70.00 ft of Gassy mud cut oil - 30% gas, 50% oil, 20% mud
60.00 ft of Slightly mud cut gassy oil -
50% gas, 40% oil, 10% mud
120.00 ft of Slightly mud cut gassy oil -
60% gas, 35% oil, 5% mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Built to bottom of bucket in 17.5 min,
strong blow throughout
Initial Shutin -
Bled off, blew back in 1 min, died
8 min later
Final Flow -
Built to bottom of bucket in 26 min,
strong blow
Final Shutin -
Bled off, blew back in 1 min, died
14 min later

SAMPLES: No
SENT TO:

Test Successful: Y

TOOL DATA-----

Tool Wt. 2000.00 lbs
Wt Set On Packer 22000.00 lbs
Wt Pulled Loose 80000.00 lbs
Initial Str Wt 72000.00 lbs
Unseated Str Wt 73000.00 lbs
Bot Choke 0.75 in
Hole Size 7.88 in
D Col. ID 0.00 in
D. Pipe ID 3.82 in
D.C. Length 0.00 ft
D.P. Length 4255.00 ft
H.W. I.D 2.70 in
H.W. Length 285.00 ft

MUD DATA-----

Mud Type Chemical
Weight 9.40 lb/
Vis. 48.00 S/L
W.L. 8.80 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 123.00 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 Mike McVey
Co. Rep. Kim Shoemaker
Contr. Abercrombie Drlg
Rig # 4
Unit #
Pump T.

CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

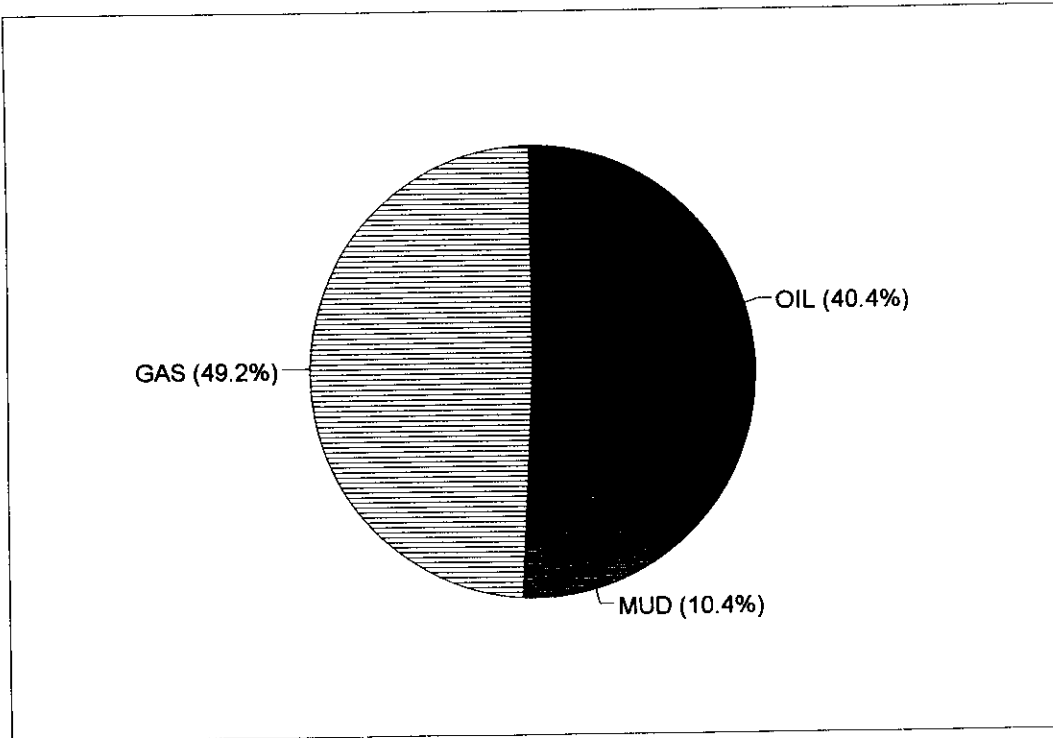
DST # 2

TICKE 8450

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	70	30	21	50	35	0	0	20	14
2	60	50	30	40	24	0	0	10	6
3	120	60	72	35	42	0	0	5	6
4			0		0	0	0		0
5			0		0	0	0		0
TOTAL	250	49.2	123	40.4	101	0	0	10.4	26

HRS OP BBL/DAY

BBL OIL= 0.707 * 1.5 11.312
 BBL WAT 0 * 0
 BBL MUD 0.182
 BBL GAS 0.861



TEST HISTORY

8450, DST#2, Cross Bar Petro, Huck#1-6

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2209.81
B:	0.00	26.18
C:	45.00	76.62
D:	59.00	427.52
E:	0.00	84.67
F:	45.00	116.82
G:	89.00	440.95
Q:	0.00	2206.96

CONFIDENTIAL

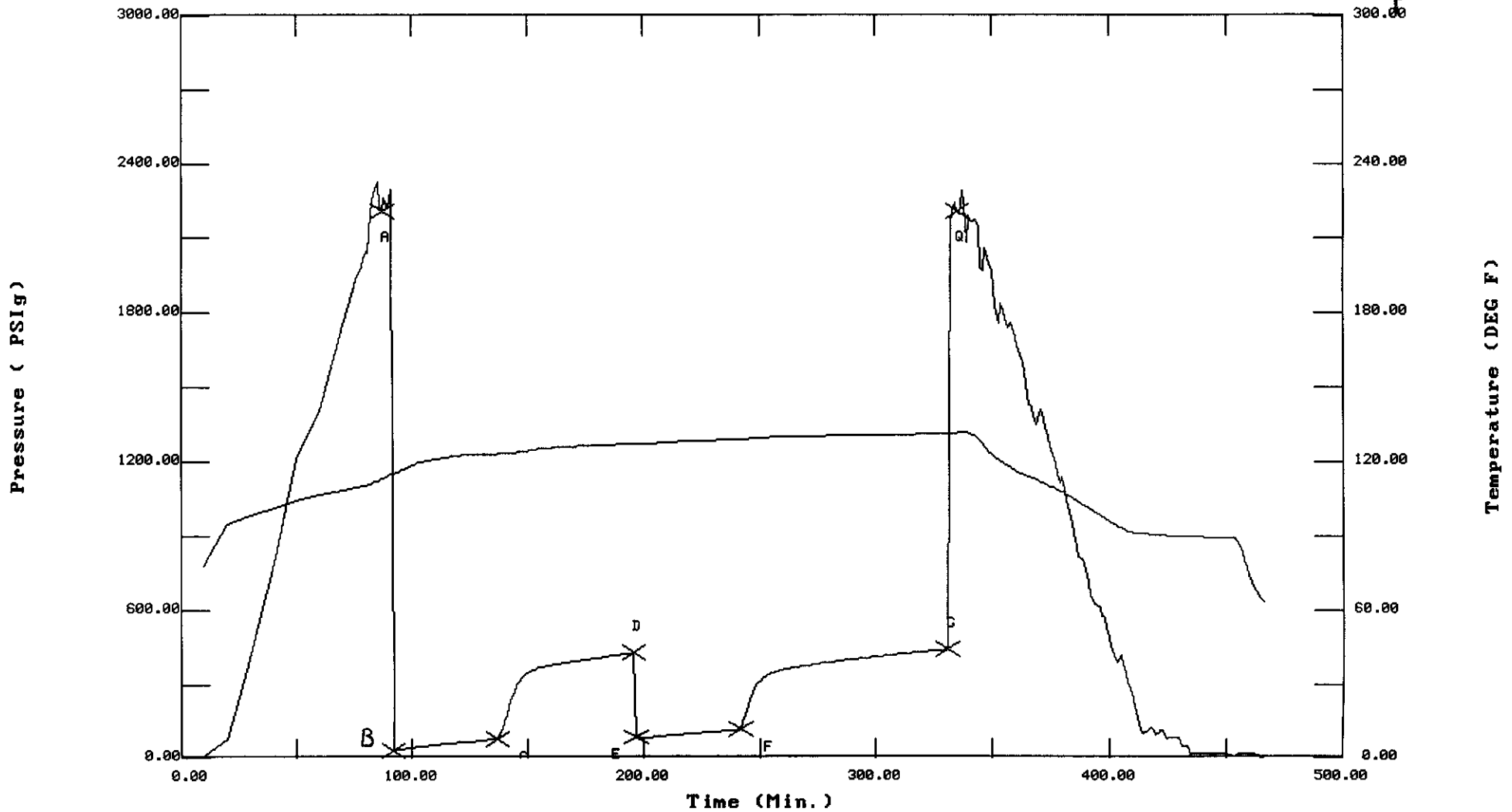
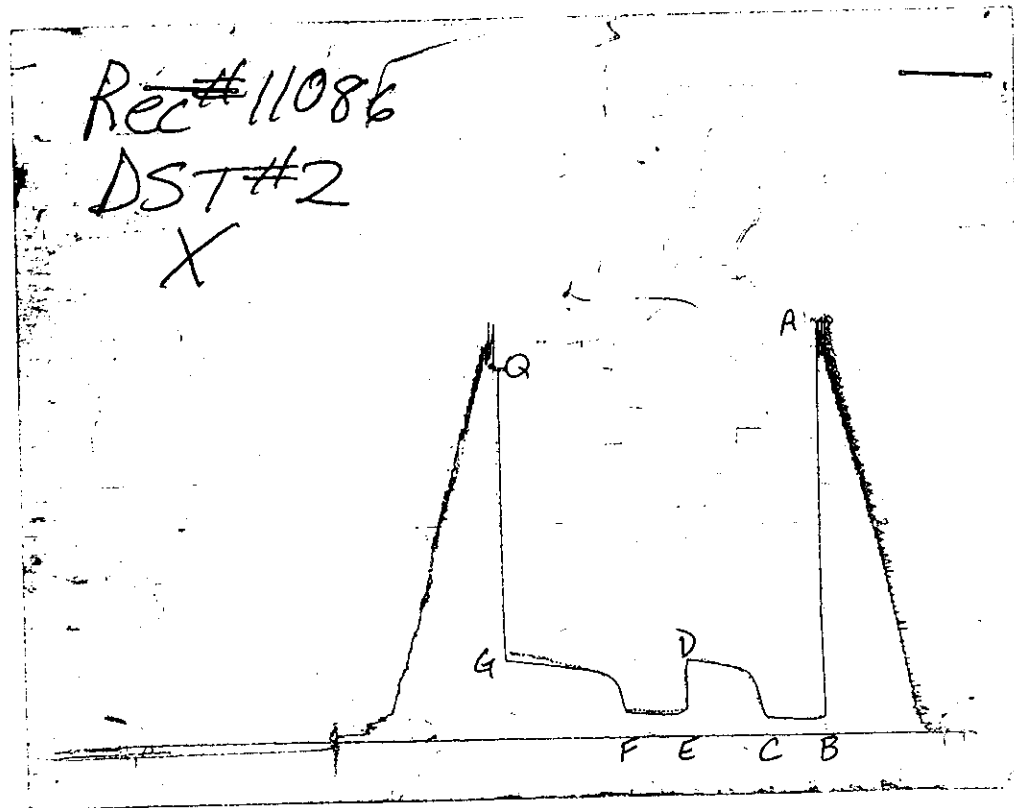


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8450,DST#2,Cross Bar Petro,Huck#1-6

DATE: 04/23/96 TIME: 18:54:01

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	87.00	2209.8	0.0	113.08		
***** Start Flow 1	0.00	26.2	0.0	115.31		
	1.00	29.9	3.7	115.62		
	2.00	32.6	6.5	115.89		
	3.00	33.6	7.4	116.22		
	4.00	34.5	8.3	116.66		
	5.00	36.3	10.2	117.16		
	6.00	37.4	11.2	117.68		
	7.00	38.9	12.8	118.16		
	8.00	40.7	14.5	118.60		
	9.00	42.2	16.0	119.00		
	10.00	43.4	17.2	119.35		
	11.00	44.6	18.4	119.66		
	12.00	45.6	19.5	119.91		
	13.00	46.7	20.5	120.14		
	14.00	47.3	21.1	120.36		
	15.00	48.3	22.2	120.57		
	16.00	49.8	23.6	120.74		
	17.00	50.9	24.8	120.92		
	18.00	51.8	25.6	121.08		
	19.00	53.1	26.9	121.25		
	20.00	54.3	28.1	121.40		
	21.00	55.1	29.0	121.55		
	22.00	56.0	29.8	121.70		
	23.00	58.0	31.8	121.86		
	24.00	57.6	31.4	122.01		
	25.00	58.4	32.2	122.15		
	26.00	59.2	33.1	122.28		
	27.00	60.0	33.8	122.41		
	28.00	60.9	34.7	122.52		
	29.00	62.5	36.3	122.62		
	30.00	62.7	36.5	122.69		
	31.00	63.3	37.1	122.75		
	32.00	64.9	38.7	122.81		
	33.00	65.6	39.4	122.85		
	34.00	65.6	39.4	122.89		
	35.00	66.4	40.2	122.92		
	36.00	67.0	40.8	122.95		
	37.00	68.3	42.1	122.97		
	38.00	69.5	43.3	123.01		
	39.00	70.7	44.5	123.03		
	40.00	71.7	45.5	123.06		
	41.00	72.8	46.7	123.09		
	42.00	73.8	47.7	123.12		
	43.00	75.4	49.2	123.15		
	44.00	74.9	48.8	123.19		
***** End Flow 1	45.00	76.6	50.4	123.22		
***** Start Shutin 1	0.00	76.6	0.0	123.22	0.0000	0.006
	1.00	97.5	20.9	123.26	46.0000	0.01
	2.00	119.8	43.1	123.29	23.5000	0.014
	3.00	146.1	69.5	123.34	16.0000	0.021

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8450,DST#2,Cross Bar Petro,Huck#1-6

DATE: 04/23/96

TIME: 18:54:01

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
4.00	178.1	101.5	123.40	12.2500	0.032
5.00	214.8	138.1	123.46	10.0000	0.046
6.00	249.3	172.6	123.53	8.5000	0.062
7.00	276.5	199.9	123.61	7.4286	0.076
8.00	297.0	220.4	123.72	6.6250	0.088
9.00	312.2	235.6	123.83	6.0000	0.097
10.00	324.2	247.6	123.97	5.5000	0.105
11.00	333.8	257.2	124.10	5.0909	0.111
12.00	341.4	264.8	124.23	4.7500	0.117
13.00	347.7	271.1	124.38	4.4615	0.121
14.00	352.8	276.2	124.54	4.2143	0.124
15.00	357.3	280.7	124.70	4.0000	0.128
16.00	361.0	284.4	124.84	3.8125	0.130
17.00	364.4	287.8	124.99	3.6471	0.133
18.00	367.3	290.6	125.12	3.5000	0.135
19.00	369.9	293.2	125.23	3.3684	0.137
20.00	372.2	295.6	125.33	3.2500	0.139
21.00	374.3	297.7	125.43	3.1429	0.140
22.00	376.3	299.7	125.51	3.0455	0.142
23.00	378.0	301.4	125.59	2.9565	0.143
24.00	379.7	303.1	125.66	2.8750	0.144
25.00	381.2	304.6	125.73	2.8000	0.145
26.00	382.5	305.8	125.79	2.7308	0.146
27.00	383.9	307.3	125.85	2.6667	0.147
28.00	385.2	308.6	125.90	2.6071	0.148
29.00	386.7	310.1	125.96	2.5517	0.150
30.00	388.3	311.7	126.01	2.5000	0.151
31.00	389.9	313.3	126.06	2.4516	0.152
32.00	391.6	315.0	126.12	2.4062	0.153
33.00	392.9	316.2	126.16	2.3636	0.154
34.00	394.3	317.7	126.21	2.3235	0.155
35.00	395.7	319.1	126.26	2.2857	0.157
36.00	397.1	320.5	126.29	2.2500	0.158
37.00	398.1	321.5	126.34	2.2162	0.159
38.00	399.4	322.8	126.37	2.1842	0.160
39.00	400.8	324.2	126.42	2.1538	0.161
40.00	402.0	325.4	126.44	2.1250	0.162
41.00	403.6	327.0	126.49	2.0976	0.163
42.00	405.0	328.4	126.52	2.0714	0.164
43.00	406.2	329.6	126.57	2.0465	0.165
44.00	407.5	330.9	126.59	2.0227	0.166
45.00	409.1	332.4	126.63	2.0000	0.167
46.00	410.7	334.0	126.67	1.9783	0.169
47.00	412.3	335.7	126.70	1.9574	0.170
48.00	413.9	337.3	126.72	1.9375	0.171
49.00	415.5	338.9	126.76	1.9184	0.173
50.00	416.8	340.2	126.79	1.9000	0.174
51.00	418.0	341.3	126.81	1.8824	0.175
52.00	419.2	342.6	126.85	1.8654	0.176
53.00	420.4	343.8	126.87	1.8491	0.177
54.00	421.5	344.9	126.91	1.8333	0.178

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8450,DST#2,Cross Bar Petro,Huck#1-6

DATE: 04/23/96

TIME: 18:54:01

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	55.00	422.6	346.0	126.93	1.8182	0.179
	56.00	423.8	347.2	126.96	1.8036	0.180
	57.00	425.3	348.6	126.98	1.7895	0.181
	58.00	426.3	349.7	127.01	1.7759	0.182
***** End Shut-in 1	59.00	427.5	350.9	127.03	1.7627	0.183
***** Start Flow 2	0.00	84.7	0.0	127.06		
	1.00	81.2	-3.4	127.09		
	2.00	80.7	-3.9	127.12		
	3.00	80.1	-4.6	127.17		
	4.00	81.1	-3.6	127.21		
	5.00	81.6	-3.1	127.26		
	6.00	82.5	-2.2	127.30		
	7.00	84.2	-0.5	127.34		
	8.00	85.3	0.6	127.39		
	9.00	86.2	1.5	127.43		
	10.00	87.2	2.5	127.49		
	11.00	88.5	3.9	127.55		
	12.00	89.3	4.6	127.62		
	13.00	90.0	5.3	127.69		
	14.00	91.1	6.4	127.76		
	15.00	91.8	7.1	127.83		
	16.00	92.7	8.1	127.88		
	17.00	93.1	8.4	127.94		
	18.00	94.4	9.7	127.99		
	19.00	95.3	10.7	128.04		
	20.00	95.8	11.2	128.08		
	21.00	96.9	12.3	128.12		
	22.00	97.5	12.8	128.16		
	23.00	98.5	13.8	128.20		
	24.00	99.2	14.5	128.24		
	25.00	100.1	15.4	128.27		
	26.00	100.9	16.2	128.31		
	27.00	101.7	17.0	128.34		
	28.00	102.6	17.9	128.38		
	29.00	103.2	18.5	128.42		
	30.00	104.2	19.6	128.46		
	31.00	105.0	20.3	128.51		
	32.00	105.7	21.0	128.55		
	33.00	106.5	21.8	128.59		
	34.00	107.3	22.6	128.63		
	35.00	107.9	23.2	128.68		
	36.00	108.7	24.0	128.72		
	37.00	109.5	24.8	128.76		
	38.00	110.3	25.6	128.79		
	39.00	111.1	26.4	128.83		
	40.00	111.7	27.0	128.87		
	41.00	112.6	27.9	128.91		
	42.00	113.2	28.5	128.94		
	43.00	113.9	29.2	128.97		
	44.00	114.8	30.1	129.01		
***** End Flow 2	45.00	116.8	32.1	129.05		

CONFIDENTIAL

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8450,DST#2,Cross Bar Petro,Huck#1-6

DATE: 04/23/96

TIME: 18:54:01

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Shutin 2	0.00	116.8	0.0	129.05	0.0000	0.014
	1.00	146.6	29.8	129.08	91.0000	0.021
	2.00	178.6	61.8	129.13	46.0000	0.032
	3.00	213.4	96.6	129.18	31.0000	0.046
	4.00	245.0	128.2	129.24	23.5000	0.060
	5.00	269.3	152.5	129.32	19.0000	0.073
	6.00	287.7	170.9	129.40	16.0000	0.083
	7.00	301.5	184.6	129.48	13.8571	0.091
	8.00	312.5	195.7	129.57	12.2500	0.098
	9.00	321.4	204.5	129.65	11.0000	0.103
	10.00	328.7	211.8	129.71	10.0000	0.108
	11.00	334.8	218.0	129.78	9.1818	0.112
	12.00	340.0	223.2	129.83	8.5000	0.116
	13.00	344.4	227.6	129.88	7.9231	0.119
	14.00	348.4	231.6	129.93	7.4286	0.121
	15.00	351.7	234.9	129.97	7.0000	0.124
	16.00	354.9	238.1	130.00	6.6250	0.126
	17.00	357.7	240.9	130.03	6.2941	0.128
	18.00	360.0	243.2	130.06	6.0000	0.130
	19.00	362.4	245.6	130.09	5.7368	0.131
	20.00	364.3	247.5	130.11	5.5000	0.133
	21.00	366.2	249.3	130.15	5.2857	0.134
	22.00	368.0	251.2	130.17	5.0909	0.135
	23.00	369.5	252.7	130.19	4.9130	0.137
	24.00	371.0	254.2	130.21	4.7500	0.138
	25.00	372.4	255.6	130.23	4.6000	0.139
	26.00	373.7	256.9	130.25	4.4615	0.140
	27.00	374.9	258.1	130.27	4.3333	0.141
	28.00	376.2	259.3	130.28	4.2143	0.141
	29.00	377.6	260.8	130.30	4.1034	0.143
	30.00	378.8	262.0	130.32	4.0000	0.144
	31.00	380.4	263.5	130.36	3.9032	0.145
	32.00	381.6	264.8	130.36	3.8125	0.146
	33.00	383.0	266.1	130.38	3.7273	0.147
	34.00	384.1	267.3	130.39	3.6471	0.148
	35.00	385.2	268.4	130.41	3.5714	0.148
	36.00	386.5	269.7	130.42	3.5000	0.149
	37.00	387.7	270.8	130.44	3.4324	0.150
	38.00	388.8	272.0	130.46	3.3684	0.151
	39.00	389.9	273.1	130.48	3.3077	0.152
	40.00	391.1	274.3	130.50	3.2500	0.153
	41.00	392.4	275.5	130.50	3.1951	0.154
	42.00	393.4	276.6	130.52	3.1429	0.155
	43.00	394.7	277.9	130.55	3.0930	0.156
	44.00	396.0	279.1	130.57	3.0455	0.157
	45.00	397.1	280.3	130.59	3.0000	0.158
	46.00	398.3	281.5	130.60	2.9565	0.159
	47.00	399.5	282.7	130.62	2.9149	0.160
	48.00	400.7	283.9	130.64	2.8750	0.161
	49.00	401.9	285.1	130.66	2.8367	0.162
	50.00	403.1	286.3	130.67	2.8000	0.162

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8450,DST#2,Cross Bar Petro,Huck#1-6

DATE: 04/23/96

TIME: 18:54:01

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
	51.00	404.4	287.6	130.69	2.7647	0.164	
	52.00	405.5	288.7	130.71	2.7308	0.164	
	53.00	406.3	289.5	130.72	2.6981	0.165	
	54.00	407.5	290.6	130.73	2.6667	0.166	
	55.00	408.6	291.7	130.74	2.6364	0.167	
	56.00	409.6	292.8	130.75	2.6071	0.168	
	57.00	410.7	293.9	130.77	2.5789	0.169	
	58.00	411.7	294.9	130.78	2.5517	0.170	
	59.00	412.8	296.0	130.81	2.5254	0.170	
	60.00	413.9	297.1	130.82	2.5000	0.171	
	61.00	415.1	298.3	130.84	2.4754	0.172	
	62.00	415.9	299.0	130.85	2.4516	0.173	
	63.00	416.8	300.0	130.87	2.4286	0.174	
	64.00	417.8	301.0	130.88	2.4062	0.175	
	65.00	418.7	301.9	130.89	2.3846	0.175	
	66.00	419.6	302.8	130.91	2.3636	0.176	
	67.00	420.6	303.8	130.93	2.3433	0.177	
	68.00	421.6	304.7	130.94	2.3235	0.178	
	69.00	422.6	305.7	130.95	2.3043	0.179	
	70.00	423.6	306.8	130.96	2.2857	0.179	
	71.00	424.6	307.8	130.99	2.2676	0.180	
	72.00	425.5	308.7	131.00	2.2500	0.181	
	73.00	426.4	309.6	131.01	2.2329	0.182	
	74.00	427.4	310.6	131.02	2.2162	0.183	
	75.00	428.4	311.6	131.03	2.2000	0.184	
	76.00	429.1	312.3	131.05	2.1842	0.184	
	77.00	430.1	313.3	131.06	2.1688	0.185	
	78.00	431.0	314.2	131.07	2.1538	0.186	
	79.00	431.9	315.1	131.08	2.1392	0.187	
	80.00	432.6	315.8	131.10	2.1250	0.187	
	81.00	433.4	316.6	131.12	2.1111	0.188	
	82.00	434.3	317.5	131.12	2.0976	0.189	
	83.00	435.3	318.5	131.14	2.0843	0.190	
	84.00	436.2	319.4	131.15	2.0714	0.190	
	85.00	437.2	320.4	131.16	2.0588	0.191	
	86.00	438.0	321.2	131.16	2.0465	0.192	
	87.00	439.0	322.2	131.19	2.0345	0.193	
	88.00	440.1	323.3	131.21	2.0227	0.194	
*****	End Shut-in 2	89.00	440.9	324.1	131.21	2.0112	0.194
*****	Final Hydro.	335.00	2207.0	0.0	131.59		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Huck #1-6

LOCATION : 6-18S-31W, Scott Cty KS

TICKET No. 8450 D.S.T. No. 2 DATE 4-23-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 34

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 61

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 73 Single Total 4540

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4601

TOTAL DEPTH 4584

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

