

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: KANSAS GAS SUPPLY CORPORATION

Operator Contact Person: ALBERT BRENSING

Phone (316) 265-2279

Contractor: Name: EAGLE DRILLING, INC.

License: 5059

Wellsite Geologist: STEVE DAVIS/TOM BLAIR

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: \_\_\_\_\_

Cmp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

01-20-96 02-01-96 03-08-96  
Spud Date Date Reached TD Completion Date

API No. 15- 097-21,403-0000

County Kiowa

NW NW SE Sec. 23 Twp. 28S Rge. 18 X E  
W

2310 Feet from S (circle one) Line of Section

2310 Feet from E (circle one) Line of Section

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

Lease Name MARTIN Well # 1-23

Field Name WILDCAT

Producing Formation MISSISSIPPIAN

Elevation: Ground 2227' KB 2240'

Total Depth 5000' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 451'.

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 926 11-21-96  
(Data must be collected from the Reserve Pit)

Chloride content 26,000 ppm Fluid volume 7,000 bbls

Dewatering method used ALLOW TO DRY THEN BACKFILL.

Disposition of fluid disposal if hauled offsite: NOC

Operator Name \_\_\_\_\_ MAY 15

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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JUL 31 1997

FROM CONFIDENTIAL

CONFIDENTIAL

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.

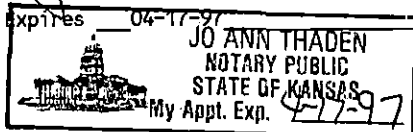
Signature \_\_\_\_\_

Title ALBERT BRENSING, PRESIDENT Date 05-14-96

Subscribed and sworn to before me this 14TH day of MAY, 19 96.

Notary Public Joann Thaden

Date Commission Expires 04-17-97



RECEIVED  
KANSAS CORPORATION COMMISSION

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)

MAY 16 1996

Operator Name CROSS BAR PETROLEUM, INC. Lease Name MARTIN Well # 1-23

Sec. 23 Twp. 28S Rge. 18  East  West  
 County KIOWA

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

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SEE EXHIBIT 'A' ATTACHED HERETO FOR FORMATION TOPS

PLEASE KEEP THIS INFORMATION CONFIDENTIAL!!

CASING RECORD  New  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#	451'	60/40 POZMIX	265	60/40 POZ.2% GEL -3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4988'	HLC/60-40 POZ/ EA-2	175	1/4# flocele, 5% CalSeal, 7# Gil 1/4# D-Air, 18% Salt, .6% 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 type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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	4839-44' (20) shots (Miss.) 37J Charges	1500 gal 7-1/2% FE Acid w/ 6% Losurf. Total: 151 bbl (36 bbl acid & 115 bbl clayfix) Frac w/ 53,500 gal 35# x-link BoraGel, 70,500# sand	4389-44'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4835		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 3-29-96 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		200	50		

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 4839-4844'  
 Other (Specify) \_\_\_\_\_

ORIGINAL  
CONFIDENTIAL

**CONFIDENTIAL**

Cross Bar Petroleum, Inc. #1-23 Martin - API #15-097-21,4030000  
NW NW SE 23-T28S-R18W (2310' FSL & 2310' FEL)  
Kiowa County, Kansas

**RESULTS OF DST #1, 2994'-3030', COTTONWOOD, 45-60-30-60**, 1st op - OB in 30 seconds. 2nd op - OB in 14". Rec. 150' DM, 1810' GSW, IHP 1415, IFP 481-961, ISIP 984, FFP 970-982, FSIP 982-998, FHP 1339, BHT 110°F.

**RESULTS OF DST #2, 3696'-3742', HOWARD, 45-60-45-75**, 1st op - OB in 22 min, 2nd op - 1" > 9". Recovered 426' SW - Chl 72000 ppm, IHP 1749, IFP 86-202, ISIP 1259, FFP 216-287, FSIP 1248, FHP 1744, BHT 112°F.

**RESULTS OF DST #3, 4260'-4075', LANSING 'A' ZONE, 45-60-45-60**, 1st op - 1/2" > 4-1/2". 2nd op - 1/2" > 2". Recovered 30' GIP, 20'; VSO&GCM (1% Oil, 10% G, 89% M), 70' MW -Chl 42000. IHP 2053, IFP 37-57, ISIP 1353, FFP 71-84, FSIP 1249, FHP 1990, BHT 114°F.

**RESULTS OF DST #4, 4278'-4294', LANSING 'B' ZONE, 30-60-30-60**, 1st op - OB in 9 min., 2nd op - OB in 21 min. Recovered 245' GIP, 80' GOCM (20% G, 20% O, 60% M), 125' VSOCMW (2% O, 15% M, 83% W - Chl 41000 ppm), IHP 2028, IFP 14-34, ISIP 1382, FFP 57-108, FSIP 1382, FHP 2014, BHT 115°F.

**RESULTS OF DST #5, 4440'-4470', DENNIS, 30-60-30-60**, 1st op - 1/2" > 3/4", 2nd op - 1/4" > 1/2". Recovered 65' oil sptd SWCM (32% W - Chl 37000 ppm, 68% M) IHP 2135, IFP 28-34, ISIP 1443, FFP 46-53, FSIP 1412, FHP 2058, BHT 115°F.

**DST #6, 4782'-4860', MISSISSIPPIAN, 45-60-60-120**, 1st op - GTS 5", 3/4" choke, GA 121 MCFG/10 min., 93 MCFG/20 min., 1/2" choke 81.8 MCFG/30 min., 81.8 MCFG/40 min.. 2nd - op 90.1 MCFG/10 min., 90.1 MCFG/20 min., 129 MCFG/30 min., 94.5 MCFG/40 min., 101 MCFG/50 min., 94.5 MCFG/60 min. Recovered 134' GM w/SSO (10% G, 90% M). 122' GOCM (7% O, 25% G, 68% M), IHP 2301, IFP 78-78, ISIP 1058, FFP 100-124, FSIP 1089, FHP 2232, BHT 120°F.

Log Tops  
FORMATION KB 2240

	DEPTH	SUBSEA
KRIDER	2480	-240
COTTONWOOD	3007	-767
WABAUNSEE	3318	-1078
STOTLER	3458	-1218
EMPORIA	Abst	
HEEBNER	4088	-1848
BROWN LIME	4238	-1998
LANSING 'A'	4251	-2011
LANSING 'B'	4279	-2039
DRUM	4417	-2177
BASE KANSAS CITY	4647	-2407
MARMATON	4666	-2426
ALTAMONT	4714	-2474
PAWNEE	4744	-2504
CHEROKEE SHALE	4780	-2540
MISSISSIPPIAN	4836	-2596
KINDERHOOK	4899	-2659
RTD	5000	-2760

RCU  
MAY 15  
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JUL 31 1997

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KANSAS CORPORATION COMMISSION

MAY 16 1996

CONSERVATION DIVISION  
WICHITA, KS

CUSTOMER COPY



HALLIBURTON

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

INVOICE

CONFIDENTIAL

ORIGINAL

INVOICE NO	DATE
907058	02/01/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
MARTIN 1-23	KIOWA	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	EAGLE DRILLING #1	CEMENT PRODUCTION CASING	02/01/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
202259	T. C. LARSON		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	03276

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

REC  
 MAY 15  
 CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	60	MI	2.85	171.00
001-016	CEMENTING CASING	1999	FT	1,765.00	1,765.00
030-016	CEMENTING PLUG 5W ALUM TOP	5	1/2 IN	60.00	60.00
018-317	SUPER FLUSH	18	SK	100.00	1,800.00
314-163	CLAYFIX II	5	GAL	28.00	140.00
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	185.00	185.00
504-316	CEMENT - HALL LIGHT STANDARD	70	SK	8.80	616.00
507-210	FLOCELE	18	LB	1.65	29.70
504-136	CEMENT - 40/60 POZMIX STANDARD	60	SK	7.66	459.60
508-291	GILSONITE BULK	420	LB	.40	168.00
509-968	SALT	550	LB	.15	82.50
507-775	HALAD-322	30	LB	7.00	210.00
504-308	CEMENT - STANDARD	45	SK	9.57	430.65
508-291	GILSONITE BULK	315	LB	.40	126.00
509-968	SALT	350	LB	.15	52.50
508-127	CAL SEAL 60	2	SK	25.90	51.80
507-775	HALAD-322	27	LB	7.00	189.00
507-970	D-AIR 1, POWDER	11	LB	3.25	35.75
500-207	BULK SERVICE CHARGE FROM CONFIDENTIAL	210	CFT	1.35	283.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	265.140	TMI	.95	251.88

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INVOICE SUBTOTAL

RECEIVED KANSAS CORPORATION COMMISSION

2,107.86

DISCOUNT-(BID)  
INVOICE BID AMOUNT

MAY 16 1996

1,848.01  
5,259.87

\*-KANSAS STATE SALES TAX  
\*-PRATT COUNTY SALES TAX

CONSERVATION DIVISION  
WICHITA, KS

105.60  
21.53

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

5,387.00

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.



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CHARGE TO: **CROSS BAR Petroleum**  
 ADDRESS: **220 W Douglas Suite 140**  
 CITY, STATE, ZIP CODE: **Wichita KS 67202**

DUNCAN COPY

TICKET

No. **907058-9**

PAGE **1** OF **2**

SERVICE LOCATIONS <b>FRAT 25555</b>	WELL/PROJECT NO. <b>1-23</b>	LEASE <b>Martin</b>	COUNTY/PARISH <b>Kiowa</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>2-1-96</b>	OWNER <b>Same</b>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Eagle Drilg</b>	RIG NAME/NO. <b>1</b>	SHIPPED VIA <b>CTS</b>	DELIVERED TO <b>Location</b>	ORDER NO.	
WELL TYPE <b>01</b>	WELL CATEGORY <b>01 Wildcat</b>	JOB PURPOSE <b>03</b>	WELL PERMIT NO. <b>035</b>	WELL LOCATION <b>15097214030000</b>	Lquid		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING LOC	ACCT	DESCRIPTION	QTY.	U/M	UNIT PRICE	AMOUNT
100-117		1		MILEAGE	60 mi	RT	2.85	171.00
201-016		1		Pump Charge	6 hrs	4999 RT		1765.00
230-016		1		5 Wiper Plug	1 ea	5 1/2 AL		60.00
318-317		1		Super flash	18 sks	750 gal	100.00	1800.00
319-163		1		CIA FIX II	5 gal		28.00	140.00
019-241		1		Rotating Head	1 ea			185.00

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CONSERVATION DIVISION

WICHITA KS

**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 **T.C. Larson**

DATE SIGNED: **2-1-96** TIME SIGNED: **5:00**  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS:

PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

WE SURVEYED  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	412100
FROM CONTINUATION PAGE(S)	2986 81
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED OR INVOICE	7107 88
	71

**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) <b>T.C. LARSON</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <b>T.C. Larson</b>	HALLIBURTON OPERATOR/ENGINEER <b>Mon Byaly PRO201</b>	EMP # <b>85826</b>	HALLIBURTON APPROVAL
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TICKET CONTINUATION

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TICKET No. 907058

HALLIBURTON ENERGY SERVICES

CUSTOMER CROSS BAR PETROLEUM	WELL MARTIN 1-20	DATE 02-01-96	PAGE 2	OF 2
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
504-316		1			HALLIBURTON LIGHT CEMENT	70	sk		8.80	616.00
507-210	890.50071	1			FLOCELE BLENDED 1/4#	18	lb		1.65	29.70
LOADED ON TRAIL.#5621-FRONT										
504-136		1			40/60 POZMIX W2% GEL	60	sk		7.66	459.60
508-291	516.00337	1			GILSONITE BLENDED 7#	420	lb		40.00	168.00
509-968	516.00158	1			SALT BLENDED 18%	550	lb		15	82.50
7-775	516.00144	1			HALAD-322 BLENDED .6%	30	lb		7.00	210.00
LOADED ON TRAIL.#5621-BACK										
504-308	516.00261	1			STANDARD CEMENT	45	sk		9.57	430.65
508-291	516.00337	1			GILSONITE BLENDED 7#	315	lb		40	126.00
509-968	516.00158	1			SALT BLENDED 18%	350	lb		15	52.50
508-127	890.50131	1			CALSEAL BLENDED 5%	2	sk		25.90	51.80
507-775	516.00144	1			HALAD-322 BLENDED .6%	27	lb		7.00	189.00
507-970	70.15764	1			D-AIR 1 BLENDED 1/4#	11	lb		3.25	35.75
LOADED ON TRAIL.#7488-BACK										
CONFIDENTIAL										
RELEASED MAY 31 1997										
FROM CONFIDENTIAL										
RECEIVED KANSAS CORPORATION COMMISSION MAY 6 1996 CONSERVATION DIVISION WICHITA KS										
500-207		1			SERVICE CHARGE	CUBIC FEET				
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		
						17,675	30	265.140	1.35	283.50
									.95	251.88

No. B 212810

CONTINUATION TOTAL 2986.88



JOB SUMM. Y

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

MID CONT  
PRATT KS

BILLED ON TICKET NO. 907058

WELL DATA

FIELD 23 SEC 28 TWP 18 RNG 18 COUNTY kiowa 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 \_\_\_\_\_

CONFIDENTIAL ORIGINAL ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR INSERT 5 1/2	1	Baker
FLOAT SHOE		
GUIDE SHOE Reg 5 1/2	1	Baker
CENTRALIZERS Fluid Master 5 1/2	8	Baker
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER Basket 5 1/2	1	Baker

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

WINE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

FRIC RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

RELEASED JUL 31 1997

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JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-1-96	DATE 2-1-96	DATE 2-1-96	DATE 2-1-96
TIME 12:00	TIME 16:30	TIME 19:00	TIME 22:00

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. BYERLY	85826 41219 P.U.	PRATT KS
R Gordley	68500 51936 RCM	"
S Orlando	H 1785 3096 Bulk 5621	"
B Drake	H 2658 3693 Bulk 7488	"

MAY 15 1996

DEPARTMENT: Cement - F&O

DESCRIPTION OF JOB: 5 1/2" Long string

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE: X

HALLIBURTON OPERATOR: Helen Byaly

COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
70		HLC		B	1/4" FloCel	1.69	13.1
60		40/60 P02		B	18% Salt, 6% Hald-322, 7# Gilsontc.	1.49	13.8
45		EA-2	STD	B	18% Salt, 6% Hald-322, 7# Gilsontc, 5% Calseal, 1/4" D-AIR-1	1.43	15.2

PRESSURES IN PSI \_\_\_\_\_ SUMMARY \_\_\_\_\_ VOLUMES \_\_\_\_\_

CIRCULATING \_\_\_\_\_ DISPLACEMENT REQUIRED PRESLUSH: BBL.-GAL. 30 + 18 TYPE Clay water & Super Flo

BREAKDOWN \_\_\_\_\_ MAXIMUM ANSAS CORPORATION COMMENTS \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL. GAL. 117.8

SHUT-IN INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. \_\_\_\_\_

HYDRAULIC HORSEPOWER MAY 16 1996 TOTAL VOLUME: BBL.-GAL. 16.5 + 15.9 + 11.4 = 43.8

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS 15 SKS of fluid lost for Rathole

AVERAGE RATES IN BPM \_\_\_\_\_ CONSERVATION DIVISION \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 41.85 REASON Shoe st.

FIELD OFFICE

CUSTOMER LEASE WELL NO. 1-23 JOB TYPE Long string DATE 2-1-96



**JOB LOG** HAL-2013-C

CUSTOMER **CROSS BAR** WELL NO. **1-23** LEASE **Martin** JOB TYPE **Long string** TICKET NO. **907058**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:00							Called out ORIGINAL
	16:30							On Location
	17:00							Safety Meeting
	17:30							Run Competition float equipment
	19:00							Casing on Bottom
	19:05							Rig up
	19:15							Break Circulation (Rig Pump)
	20:15		0					Hook up Pump Truck
	20:17	6	<del>38</del>					Start Pre Flush Clafix water
	20:27	6	43					Run Super Flush
	20:25	6	48					Run SPACER Clafix water
	20:27	6	0					Start Mixing lead cut 12.7#
	20:32	6	16.5					Start Mixing 2nd lead cut 13.8#
	20:34	6	32.4					Start Mixing Tail cut 15.2#
	20:37	6	43.8					Finish Mixing
	20:39							Wash out Pump & lines
	20:39							Release Plug
	20:40	7	0				200	Start Displacement + MAY 15
	20:50	7	75				200	Cement on Bottom CONFIDENTIAL
	20:58	4	115				700	Reduce Rate
	21:00	-	117.8					land Plug (Did not land)
			120.0				500	<del>START DOWNHOLE PLUG</del> BY JAV F
	21:01						0	Release PSI
	21:02							FLOAT Held
	21:05							Wash up
								Job Complete
								RELEASED
								JUL 31 1997
								FROM CONFIDENTIAL
								RECEIVED
								KANSAS CORPORATION COMMISSION
								MAY 16 1996
								CONSERVATION DIVISION
								WRIGHT, KS



TELEPHONE:  
AREA CODE 913 483-2627  
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

CONFIDENTIAL

TO: Cross Bar Petroleum, Inc.  
151 N. Main, Centre Plaza #630  
Wichita, KS 67202

INVOICE NO. 70789  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME ~~MARTIN~~ 29  
DATE 1-21-96

SERVICE AND MATERIALS AS FOLLOWS:

Common 14lsks @\$6.10		\$860.10
Pozmix 94 sks @\$3.15	RELEASED	296.10
Gel 4 sks @\$9.50		38.00
Chloride 8 sks @\$28.00	JUL 31 1997	224.00
FloSeal 59# @\$1.15		<u>67.85</u>

FROM CONFIDENTIAL

Handling 235 sks @\$1.05		246.75
Mileage (31) @\$.04¢ per sk per mi		291.40
Surface		445.00
Extra Footage 151' @\$.41¢		61.91
Mi @\$2.35 pmp trk chg		72.85
1 plug		<u>45.00</u>

KCC  
MAY 15 \$1,486.05

CONFIDENTIAL

1,162.91

If Account CURRENT a  
Discount of \$ 556.79  
will be Allowed ONLY if  
Paid Within 30 Days from  
Date of Invoice.

Baffle Plate-----\$135.00

135.00

RECEIVED  
KANSAS CORPORATION COMMISSION

Total \$2,783.96

Thank You, MAY 16 1996

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

CONSERVATION DIVISION  
WICHITA, KS

Surge

# ALLIED CEMENTING CO., INC.

0028

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

**CONFIDENTIAL**

SERVICE POINT: Med. Lodge, ks.

DATE <u>1-21-96</u>	SEC. <u>23</u>	TWP. <u>2</u>	RANGE <u>18</u>	CALLED OUT <u>6:00 A.M.</u>	ON LOCATION <u>8:30 A.M.</u>	JOB START <u>12:25 P.M.</u>	JOB FINISH <u>1:00 P.M.</u>
LEASE <u>Martin</u>		WELL # <u>1-23</u>		LOCATION <u>Greensburg, 2E-1 1/2 S- 1/2 W- 1 Int</u>		COUNTY <u>KLAWA</u>	STATE <u>KS.</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Eagle Drig.</u>	OWNER <u>Cross Bar Petroleum</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>472</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>451.68</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>44.26</u>
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED <u>235 sacks. 60/40/2% Gel</u>
<u>3% CaCl<sub>2</sub> + 1/4# Flo-Seal</u>
COMMON <u>141</u> @ <u>6.10</u> <u>860.10</u>
POZMIX <u>94</u> @ <u>3.15</u> <u>296.10</u>
GEL <u>4</u> @ <u>9.50</u> <u>38.00</u>
CHLORIDE <u>8</u> @ <u>28.00</u> <u>224.00</u>
<u>Flo-Seal 59#</u> @ <u>1.15</u> <u>67.85</u>
@
@
@
@
HANDLING <u>235</u> @ <u>1.05</u> <u>246.75</u>
MILEAGE <u>235 X 31</u> @ <u>.04</u> <u>291.40</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER <u>ARRY D.</u>	RELEASED
# <u>265</u> HELPER <u>CARL B.</u>	
BULK TRUCK DRIVER <u>Tim S.</u>	1997
# <u>242</u>	
BULK TRUCK DRIVER	
#	

FROM CONFIDENTIAL

TOTAL \$2024.20

**REMARKS:**

**SERVICE**

Cement w/ 235 sacks. 60/40/2% Gel  
3% CaCl<sub>2</sub> + 1/4# Flo-seal. Cement In.  
Stop Pumps. Release Plug. Displace  
Plug w/ 26 Bbls. Fresh H<sub>2</sub>O. Bump Plug  
shbtt In. Cement Circ. to Surface

DEPTH OF JOB <u>451</u>
PUMP TRUCK CHARGE <u>0-300'</u> <u>445.00</u>
EXTRA FOOTAGE <u>151'</u> @ <u>.41</u> <u>61.91</u>
MILEAGE <u>31</u> @ <u>2.35</u> <u>72.85</u>
PLUG <u>woodcup 8 5/8"</u> @ <u>45.00</u> <u>45.00</u>
@
@

TOTAL \$624.76

CHARGE TO: Cross Bar Petroleum Inc.  
STREET 151 N. MAIN Centre Plaza  
CITY Wichita STATE Ks ZIP 67202

Suite <u>630</u>	FLOAT EQUIPMENT
<u>Baffle Plate</u>	<u>135.00</u>
@	
@	
@	
@	
@	

TOTAL \$135.00

ORIGINAL

CONSERVATION DIVISION  
WICHITA, KS

MAY 16 1996

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE X K. Stein

TAX	
TOTAL CHARGE <u>\$2783.96</u>	
DISCOUNT <u>\$556.79</u> IF PAID IN 30 DAYS	
NET <u>\$2227.17</u>	