

ORIGINAL

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 # 3691
Name: Brock Resources, Inc.
Address 25th and Vine Street
Dean Ellner Bldg Suite 2
City/State/Zip Hays, Kans., 67601
Purchaser: None - Tested Well P & A
Operator Contact Person: Ted Luebbers
Phone (913) 628-1909

Contractor: Name: Red Tiger Drilg. Co.
License: 5302
Wellsite Geologist: None

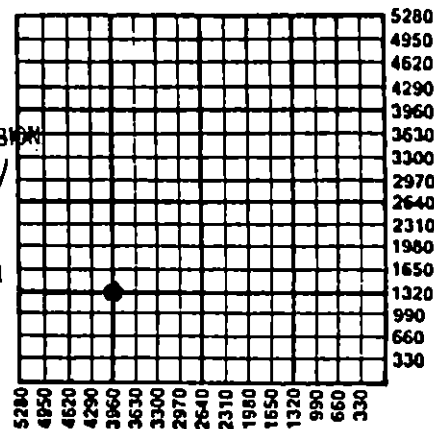
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp. Wichita, Kansas
 Dry Other (Core, Water Supply, etc.)

If OWD: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
1-31-91 2-4-91 3-16-91
Spud Date Date Reached TD Completion Date

API NO. 15- 15-075-20, 487-0000
County Hamilton
C SW 4 Sec. 3 Twp. 22S Rge. 40 East West
1320 Ft. North from Southeast Corner of Section
3960 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lessee Name: Heinz Well # 1
Field Name Bradshaw
Producing Formation Chase Group WINfield
Elevation: Ground 3545 KB 3550
Total Depth 2820 PBD 2795

RECEIVED
STATE CORPORATION COMMISSION
5-15-91
MAY 5 1991
CONSERVATION DIVISION
Wichita, Kansas

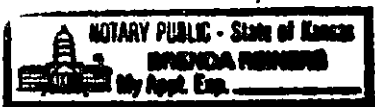


Amount of Surface Pipe Set and Cemented at 228' KB Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from None
CP-1 Attached to P & A
feet depth to E.O. At 1290' w/ Net opened 6x cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Ted C. Zullena
Title Operations Foreman Date 5-19-91
Subscribed and sworn to before me this 14 day of May,
19 91.
Notary Public Brenda Reiners
Date Commission Expires 11-9-92



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

SIDE TWO

Operator Name Brock Resources, Inc. Lease Name Heinz Well # 1

Sec. 3 Twp. 22S Rge. 40 East West County Hamilton, Kans.

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.)

Formation Description

Log Sample

Name WINfield Top 2732 Bottom 2743

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
<u>Surface</u>	<u>1 1/4"</u>	<u>8 5/8" 20" New</u>	<u>20"</u>	<u>228' KB</u>	<u>Standard</u>	<u>175</u>	<u>2% Ce</u>
<u>Production</u>	<u>7 7/8"</u>	<u>4 1/2"</u>	<u>10.5"</u>	<u>2819' KB</u>	<u>EA-2 Prsm.</u>	<u>110</u>	<u>1/4" SK Flacole</u> <u>5% Gal Seal</u> <u>3/4% Haled 322</u> <u>6" SK Gilsonite</u>

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
<u>2</u>	<u>2732 - 2743 WINfield</u>	<u>1000 gal 15% HNP-1</u> <u>50 - 1 Pars pac balls</u>	<u>2732-43</u>
<u>2</u>	<u>2732 - 2743 WINfield</u>	<u>Free w/10,000" 20-40 Brady</u> <u>Sand and 7500 gal GW-30</u>	<u>2732-43</u>

TUBING RECORD Size 2 3/8" Set At 2785' Packer At None Liner Run Yes No

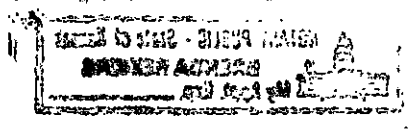
Date of First Production 3-16-91 Test to Frac Tank Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	<u>0</u>	<u>0</u>		<u>95</u>		<u>155</u>		

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Conmingled Other (Specify)

Production Interval





15-075-20487-0000

TICKET

ORIGINAL

NO. 911099-2

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 1		COUNTY Hamilton	STATE KS	CITY / OFFSHORE LOCATION	DATE 2-4-91
CHARGE TO Block Exp.		OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS Block Exp.		CONTRACTOR Nel T. Set	LOCATION 1 LAMMA		CODE 25615
CITY, STATE, ZIP		SHIPPED VIA Howden	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION 2	CODE
WELL TYPE 02	WELL CATEGORY 01	WELL PERMIT NO. B-907153	DELIVERED TO LOC	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB		ORDER NO.	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117				MILEAGE	65	mi			2.35	152.75
000-118				SURCHARGE	65	mi			.40	26.00
001-016				PUMP CHARGE	2822	FT				1340.00
030-016				5W FRD	1	ea	4 1/2			32.00
12A	825.301			REG guide shoes	1	ea	4 1/2	3/4		103.00
24A	815.17101			INSERT Flout valve	1	ea	4 1/2			73.00
27	815.17111			Fill val	1	ea	1"			27.50
40	807.93004			centralizer 5-4	8	ea	4 1/2		41.00	328.00
60	807.0007			Roto wall clean	75'		15	ea	22.00	330.00
73	813.0141			F.O. m.s.c.	1	ea	4 1/2			1350.00
320	800.8881			CMT Basket	2	ea	4 1/2		85.00	170.00
350	810.1002			Weld A	1	ea				11.00
218-258	X			Clay Fix II	5	gal			20.00	100.00

NOT A RECEIPT

RECEIVED
STATE CORPORATION COMMISSION
MAY 15 1991
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-907153

200794

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Ted Iueblers
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Ted Iueblers
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



15-075-20487-0000

TICKET

ORIGINAL NO. 911121-2

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #1 Heinz		COUNTY Hamilton	STATE Ks	CITY / OFFSHORE LOCATION	DATE 1-31-91
CHARGE TO Brock Exploration		OWNER Brock Expl		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Red Tiger		LOCATION 1 Lomoi, Co	CODE 25615
CITY, STATE, ZIP		SHIPPED VIA Howco	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 02	WELL CATEGORY 01	WELL PERMIT NO. B-169732	DELIVERED TO Loc N Syracuse		LOCATION 3
TYPE AND PURPOSE OF JOB 010		ORDER NO.	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000 117				MILEAGE	65	mi			2.35	152.75
000 118				MILEAGE SURCHARGE	65	mi			.40	26.00
001 016				Casing Job	230	ft			580.00	580.00
030 503				Top Wooden Plug	1	ea			59.00	59.00
820 2171	16A			Type M Casing Shoe	1	ea			161.00	161.00
40	807.93059			S-4 Centralizers	2	ea			53.00	106.00

THIS IS NOT AN INVOICE

RECEIVED
STATE CORPORATION COMMISSION

MAY 15 1991

CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-

1697.32

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Ted Luebbers
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Ted Luebbers
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____
CUSTOMER

SUB TOTAL 2782.07

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

15-075-20487-0000
ORIGINAL
ATTACH TO INVOICE & TICKET NO. 911121

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Laberal DATE 1-31-91

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Brack Exploration (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE Heinz SEC. 3 TWP. 22 RANGE 40 W
FIELD _____ COUNTY Hamilton STATE Ks OWNED BY Brack Expl

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS _____ FROM _____ TO _____						
PACKER: TYPE _____ SET AT _____						
TOTAL DEPTH _____ MUD WEIGHT _____						
BORE HOLE _____						SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF						
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Cement 8 5/8 Surface with 175 sks STD cement 2%cc,
1/4" thick floater

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance of the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

STATE CORPORATION COMMISSION
WICHITA, KANSAS
CONSERVATION DIVISION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Jed Fuller CUSTOMER
DATE _____

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME _____ A.M. P.M.

CUSTOMER

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON
DIVISION

HALLIBURTON
LOCATION

Okla. City, Ok
Lamar, Co

ORIGINAL

BILLED ON
TICKET NO.

15-075-20487-0000

WELL DATA

FIELD _____ SEC. 3 TWP. 22 RNG. 40 COUNTY Hamilton 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 _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 3/8	KK	230	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-31-91</u>	DATE <u>1-31-91</u>	DATE <u>1-31-91</u>	DATE <u>2-1-91</u>
TIME	TIME <u>2130</u>	TIME <u>2400</u>	TIME <u>2430</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
E Painter	44366	Lamar, Co
J Crawford	D7877	"
D Maintenance	D9704	"

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Type M</u>	<u>1</u>	<u>Howell</u>
CENTRALIZERS <u>S-4</u>	<u>2</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>Wood</u>	<u>1</u>	<u>"</u>
HEAD		
PACKER		
OTHER		

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. _____ 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. _____ IN

PERFPAC BALLS TYPE _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement Surface Casing

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE Jed Zuller

HALLIBURTON OPERATOR TEJ

COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>175</u>	<u>Std</u>	<u>I</u>	<u>I</u>	<u>B</u>	<u>2% CC 1/2" Fluoride</u>	<u>1.18</u>	<u>15.6</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. 13.2

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 36.7

TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS _____

CUSTOMER

CUSTOMER
LEASE
WELL NO.
JOB TYPE
DATE 1-31-91

COMPANY Rock Resources FARM Heinz WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Hamilton STATE Kc.
 CONTRACTOR Red Tiger #10 SIZE HOLE 7 7/8" DRILL PIPE 4 1/2"
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2700	3:40		
	45	5	
	49	4	
	53	4	conn
	4:00	3	
05	07	4	
	11	4	
	15	4	
	19	4	
	23	4	
10	27	4	
	32	5	
	37	5	
	40	3	
	43	3	
15	47	4	
	51	4	
	54	3	
	58	4	
	5:02	4	
20	05	3	
	09	4	
	13	4	
	20	7	
	27	7	
25	33	6	
	39	6	
	46	7	
	49	3	
	52	3	
30	56	4	
	6:00	4	
	05	5	
	09	4	
	14	5	conn
35	19	4	via 32 wt. 9.5
	24	3	wt. 6.4
	29	3	
	33	4	
	36	3	
40	39	3	
	42	3	
	45	3	
	48	3	
	53	5	
45	57	4	
	7:02	5	
	05	3	
	11	6	
	14	3	
50	18	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2700	7:18		
	23	5	
	28	5	
	33	5	
	36	3	
55	41	5	
	43	2	
	46	3	
	48	2	
	51	3	
60	53	2	
	55	2	
	57	2	
	8:00	3	
	03	3	
65	05	2	
	07	2	CONN V RIG
	16	18	2
	20	2	
	22	2	
70	23	1	
	24	1	
	26	2	
	27	1	
	29	2	
75	31	2	
	32	1	
	33	1	
	35	2	
	36	1	
80	37	1	
	39	2	
	41	2	
	43	2	
	44	1	
85	45	1	
	46	1	
	47	1	
	48	1	
	49	1	
90	50	1	
	51	1	
	53	2	
	54	1	
	56	2	
95	57	1	
	9:00	05	2
	07	2	
	08	1	
	09	1	
2000	11	2	



HALLIBURTON SERVICES
Durham, Oklahoma 72838

A Division of Halliburton Company

BULK MATERIALS DELIVERY

ORIGINAL

AND

TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 911099

15-075-20487-0000

15-075-20487-0000

DATE 2-4-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Hines 1	COUNTY Hamilton	STATE Ks.
CHARGE TO Brock Exploration		OWNER	CONTRACTOR	No. B 907153
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks.	LOCATION CODE 25535	PREPARED BY Neal
CITY & STATE		DELIVERED TO Loc. N E Syracuse, Ks.	TRUCK NO. 3233/6612	RECEIVED BY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-043	516.00272	2	R	Premium Cement	110	sk			6.85	753.50	
508-127	390.50131	2	B	Cal Seal	5	sk			19.70	98.50	
507-775	516.00144	2	R	Balad 322	78	lbs			5.95	464.10	
508-291	516.00337	2	B	Gilsonite	660	lbs			.35	231.00	
<p>THIS IS NOT AN INVOICE</p> <p>RECEIVED STATE CORPORATION COMMISSION MAY 15 1991 CONSERVATION DIVISION Wichita, Kansas</p>											
500-307		2	B	Mileage Surcharge	376.29				.10	37.63	
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		2	B	SERVICE CHARGE			CU. FEET 130	1.10		143.00	
500-306		2	B	Mileage Charge	11578 TOTAL WEIGHT	65 LOADED MILES	376.29 TON MILES	.75		282.21	
No. B907153		CARRY FORWARD TO INVOICE					SUB-TOTAL				

CUSTOMER

2057911

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

15-075-20487-0000
ORIGINAL 711099
ATTACH TO INVOICE & TICKET NO.

DISTRICT LIBERAL DATE 2-4

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: BNOCK EXP. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE Heinz SEC. 3 TWP. 22 RANGE 40
FIELD _____ COUNTY Hamilton STATE Ks OWNED BY JGMC

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE <u>F.O.</u>	SET AT <u>1282</u>						
TOTAL DEPTH	MUD WEIGHT <u>38 JT</u>						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
CASING		<u>4</u>	<u>10.5</u>	<u>4 1/2</u>	<u>KB</u>	<u>2822</u>	
LINER							
TUBING							
OPEN HOLE				<u>7 7/8</u>	<u>KB</u>	<u>2818</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

RECEIVED
STATE CORPORATION COMMISSION

MAY 15 1991

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CMT 4 1/2 L.S. 110g JTS EA-2 PRM
570 CAZ Seal 3/4" Halad 322 6 1/2" Gilsonite

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Jed Sullivan CUSTOMER
DATE 2-4
TIME 3:30 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKLA CITY
Lamar

15.075-20487-0000

ORIGINAL 4/11/99
BILLED ON TICKET NO.

WELL DATA

FIELD _____ SEC 3 TWP 22 RNG 40 COUNTY Hamilton 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 FO SET AT 1282

BOTTOM HOLE TEMP. _____ PRESSURE 38 JT

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		4105	4 1/2	AD	2822	
LINER						
TUBING						
OPEN HOLE			7 7/8	AD	2818	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSCT FIMA</u>	<u>1</u>	
FLOAT SHOE		
GUIDE SHOE <u>SLIP JT</u>	<u>1</u>	
CENTRALIZERS		
BOTTOM PLUG <u>TOP PLUG</u>	<u>1</u>	
TOP PLUG <u>EO TOOL</u>	<u>1</u>	
HEAD <u>BASKETS</u>	<u>2</u>	
PACKER <u>ROTO WALL</u>	<u>75</u>	
OTHER <u>WELL</u>	<u>1</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-4</u>	DATE <u>2-4</u>	DATE <u>2-4</u>	DATE <u>2-4</u>
TIME <u>08:00</u>	TIME <u>07:30</u>	TIME <u>15:40</u>	TIME <u>18:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. K. 1100</u>	<u>37459</u>	<u>Lamar</u>
<u>67427</u>		
<u>66702</u>	<u>2592</u>	<u>11</u>
<u>09259</u>		<u>Horton</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENISTY _____ LB/GAL-API

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. _____

GELLING AGENT TYPE _____ GAL.-LB. _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____

BREAKER TYPE _____ GAL.-LB. _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER Clay Fix II

RECEIVED
STATE CORPORATION COMMISSION
MAY 15 1991
CONSERVATION DIVISION
Wichita, Kansas

DEPARTMENT CMIT

DESCRIPTION OF JOB 4 1/2 L.S.

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE X Ed Fuller

HALLIBURTON OPERATOR W. K. ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>110</u>	<u>PAEM</u>		<u>B</u>	<u>5% cal seal 3/4% Halcid 322 6% Jk Silsonite</u>	<u>1.35</u>	<u>14.9</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 45

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL 26

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 30 REASON 5 1/2 JT

CUSTOMER: Brock Exp. LEASE: Heinze. WELL NO.: 1. JOB TYPE: 4 1/2 L.S. DATE: 2-4

JOB LOG

WELL NO. 1 LEASE HcING TICKET NO. 91099
 CUSTOMER BRPCT EXP PAGE NO. ORIGINAL
 JOB TYPE 4 1/2 L.S. DATE 2-4

FORM 2013 R-2 15.075-20487.0000

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							Called out Rep on LOC on LOC
	0200							
	0130							
	1330							Laying Down A.P.
	0540							ST CASS
	1722							CIA W A.S
	1723 5-							300ft CMT 0 Fin CMT
	1745		26					
	1746							DROP PUG
	1746		10 BBL					Wash Pump + Lines
	1749							05T Disp
	1757		45					1000ft Disp

RECEIVED
STATE CORPORATION COMMISSION

MAY 15 1991

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER