

Dec 29
ORIGINAL

RELEASED
1-3-92
JAN 03 1992

CONFIDENTIAL

SIDE ONE
FROM CONFIDENTIAL

-00-00

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

API NO. 15-163-23,106

Operator: License # 5352
Name: Baird Oil Co., Inc.
Address P.O. Box 428
Logan, KS 67646
City/State/Zip
Purchaser: Farmland Industries
Operator Contact Person: Jim Baird
Phone (913) 689-7457
Contractor: Name: Abercrombie Drilling, Inc.
License: 5422
Wellsite Geologist: Jim R. Baird

County Rooks

SE NE SW Sec. 22 Twp. 6S Rge. 20 East West

1760' FSL Ft. North from Southeast Corner of Section

3740' FEL Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

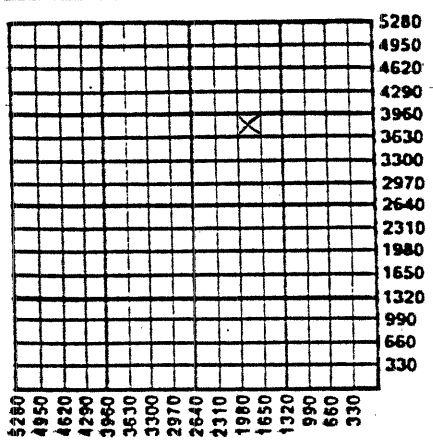
Lease Name Gartrell Well # 2

Field Name unnamed

Producing Formation Arbuckle Kansas City

Elevation: Ground 2154 KB 2159

Total Depth 3670' PBD



1-15-91

Amount of Surface Pipe Set and Cemented at 231' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1764 Feet

If Alternate II completion, cement circulated from 1764

feet depth to surface w/ 350 sx cmt.

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

If OWD: old well info as follows:
Operator: N/A

Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

9-1-90 9-10-90 9-14-90
Spud Date Date Reached TD Completion Date

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 Jim R. Baird

Title Executive Vice-President Date 12-21-90

Subscribed and sworn to before me this 21st day of DECEMBER, 1990.

Notary Public Robert B. Hartman

Date Commission Expires 3/29/91

RECEIVED
STATE CORPORATION COMMISSION
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
D Drillers TimeLog Received
Distribution
 SWD/Rep NGPA
 Plug Other (Specify)
ROBERT B. HARTMAN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 3/29/91

CONFIDENTIAL

SIDE TWO

Operator Name Baird Oil Co., Inc. Lease Name Gartrell Well # 2

Sec. 22 Twp. 6S Rge. 20 East West County Rooks

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

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																																	
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No																																		
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No																																		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																		
(See attached sheet.)		<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Anhy</td><td>1761</td><td>+398</td></tr> <tr><td>B/Anhy</td><td>1790</td><td>+369</td></tr> <tr><td>Topeka</td><td>3158</td><td>-999</td></tr> <tr><td>Heebner</td><td>3358</td><td>-1199</td></tr> <tr><td>Toronto</td><td>3380</td><td>-1221</td></tr> <tr><td>Lansing</td><td>3395</td><td>-1236</td></tr> <tr><td>BKC</td><td>3594</td><td>-1435</td></tr> <tr><td>Gorham Sand</td><td>3630</td><td>-1471</td></tr> <tr><td>Arbuckle</td><td>3670</td><td>-1511</td></tr> <tr><td>TD</td><td>3686</td><td>-1527</td></tr> </tbody> </table>	Name	Top	Bottom	Anhy	1761	+398	B/Anhy	1790	+369	Topeka	3158	-999	Heebner	3358	-1199	Toronto	3380	-1221	Lansing	3395	-1236	BKC	3594	-1435	Gorham Sand	3630	-1471	Arbuckle	3670	-1511	TD	3686	-1527
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<p align="center">CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p align="center">Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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 production	12 1/4"	8 5/8" 5 1/2"	20# 14#	231' 3684	60-40 pozmix	160	3%cc, 2% gel
					50-50pozmix	40	2%gel 12# gils.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Depth			
2	3543-3547			1000g 15%NE			
1	3430 1/2			300g 15%NE			
1	3431			3431			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At	Packer At				
2-3/8		3588	None				
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
9-20-90							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio
	40				10		38°

Disposition of Gas: no measurable amount

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

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1-3-92

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GARTRELL #2

22-6S-20W, Rooks Co.

DRILL STEM TESTS

FROM CONFIDENTIAL

- DST #1 (3241-3280) 30-30-30-30 IFP:42-42 ISIP:1006 FFP:52-52
FSIP:975 Rec. 15' mud w/oil spots. Weak blow died in 10"
- DST #2 (3350-3384) 30-30-30-30 IFP:144-461 ISIP:1171 FFP:528-653
FSIP:1171, Rec. 70' O.C.M.W. 120' V.S.O.C.M.W.(2%oil 3%mud
95% wtr) 1110' saltwater. Strong blow.
- DST #3 (3386-3410) 30-30-30-30 IFP:48-48 ISIP:48 FFP:48-57
FSIP:57, Rec. 3' mud w/few oil spots. Weak blow died in 10".
- DST #4 (3413-3439) 30-30-30-30 IFP:80-144 ISIP:1190 FFP:211-240
FSIP:1171, Rec.600' G.I.P.,250' C.G.O.;62'M.O.(60%oil 10% wtr
30% mud) 62' H.O.C.M. (60% oil 15% wtr 25% mud) 124' M.W.
Strong blow
- DST #5 (3434-3452) 45-30-45-30 IFP:57-57 ISIP: 1190 FFP:67-67
FSIP: 1114, Rec.210' G.I.P. 25 F.O. 5' O.C.M. Weak blow.
- DST #6 (3453-3479) 45-30-45-30 IFP: 48-67 ISIP: 1066 FFP: 86-96
FSIP: 1047 Rec. 135' V.S.O.C.M.W., 6" F.O. 4" blow-1st open
3" blow-2nd open.
- DST #7 (3528-3550) 30-30-30-30 IFP:67-105 ISIP: 269 FFP:153-173
FSIP: 269 Rec. 500' G.I.P. 445' C.G.O. 62' H.O.C.M.(25% oil
75% mud)Strong blow
- DST #8 (3550-3566) 45-30-30-30 IFP: 38-38 ISIP: 38 FFP: 38-48
FSIP: 48 Rec. 2' O.C.M. Weak blow-1st open. No blow-2nd open.
- DST #9 (3579-3644) 45-45-45-45 IFP: 86-96 ISIP:846 FFP:115-125
FSIP: 740 Rec. 85' 35% oil 65% mud, 60' 10% oil 90% mud,
Fair blow.

RECEIVED
STATE OF OREGON

DEC 26 1992

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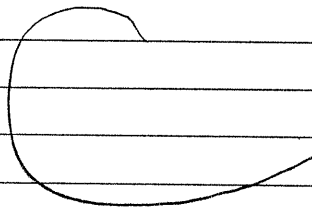
FORM 1906 R-11

1962-15

WELL NO. - FARM OR LEASE NAME #2 GARTRAW		COUNTY Rocks	STATE KS	CITY / OFFSHORE LOCATION	DATE 9-9-70
CHARGE TO BAIRD OIL CO., Inc.		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 Box 7		CONTRACTOR ABERCROMBIE	1 LOCATION HAYS, KS		CODE 25525
CITY, STATE, ZIP Hogan, KS 67646		SHIPPED VIA HALCO	2 LOCATION		CODE
WELL TYPE 01		WELL CATEGORY 03	3 LOCATION		CODE
WELL PERMIT NO.		DELIVERED TO N/E DAMAR, KS	REFERRAL LOCATION		
TYPE AND PURPOSE OF JOB 035		ORDER NO. B-595256			

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		1		MILEAGE # 51143	27	m			2.35	63	45
007-013	001-016	1		PUMP SERVICE 1 st STAGE	3684	FT				1145	00
007-161		1		PUMP SERVICE 2 nd STAGE	1	EA				950	00
71	813.10354	1		MULTIPLE STAGE CMTR	1	EA	5 1/2	IN		2450	00
75	812.0162	1		FREE FALL PLUG SET	4	EA	1	"		400	00
40	807.93022	1		CENTRALIZER 5-4	7	EA	1	"	44.00	308	00
56	807.2005	1		CABLE SCRATCHERS	20	EA			27.50	550	00
320	800.8883	1		CEMENT BASKET	1	EA				90	00
5A 20A	832.06900	1		SUPER SEAL FLAT SHOE	1	EA				194	00
018-317		1		SUPER FLUSH	12	SK			74.00	888	00
											

RELEASED

SEP 03 1970

FROM CONFIDENTIAL

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-595256

5263 43

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X CUSTOMER OR HIS AGENT (PLEASE PRINT)
OSP

X 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.

Mel Childers

HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL

12301 88

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

DISTRICT HAYS DATE 9-9-90

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

WELL NO. 2 LEASE GARTRAIL SEC. 22 TWP. 6 RANGE 20 W
FIELD _____ COUNTY ROOKS STATE KS OWNED BY JAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	14	5 1/2	KB	3684	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CEMENT CASING w/ 40 SKS 50/50 POC w/ 240 GEL & 12 1/2 # GILSONITE /SK
200 SKS STANDARD w/ 189# SALT 1/2 # CER-3 1/4 # FLOCELE /SK
CMT TOP STAGE w/ 350 SKS HLC w/ 1/4 # FLOCELE /SK
PREFLUSH 1ST STAGE w/ 510 GAL SWAB FLUSH

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 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.
- 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.

RELEASED

DEC 5 1990

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

SIGNED _____ CUSTOMER

DATE 9-9-90

TIME 3:30 A.M.-P.M.



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

BULK MATERIALS DELIVERY
ORIGINAL AND
TICKET CONTINUATION

CONFIDENTIAL
FOR INVOICE AND
TICKET NO.

DATE 9-990	CUSTOMER ORDER NO.	WELL NO. AND FARM #2 Gartrall	COUNTY Rocks	STATE Ks
CHARGE TO Baird Oil Co		OWNER Same	CONTRACTOR Abercrombie	No. B 595256
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 25525	PREPARED BY Childers
CITY & STATE		DELIVERED TO S. of Logan, Ks	TRUCK NO. 0530 51252	RECEIVED BY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308	516.002611	1	B	Standard Cement	200				5.45	1,090	00
				40 Cu.Ft. Pozmix Cmt @2% GE1							
504-308	516.002611	1	B	Standard CEment	20				5.45	109	00
506-105	516.002861	1	B	Pozmix 'A'	20				2.88	57	60
506-121	516.002591	1	B	Isk Halliburton Gel @2%					N/C		
504-316		1	B	Halliburton Light Cement	350				5.21	1,823	50
509-968	516.003151	1	B	Salt Blended	1560	lb			.10	156	00
507-153	516.001611	1	B	CFR-3 Blended	94	lb			3.90	366	60
508-292	70.155731	1	B	Gilsonite Blended	500	lb			.42	210	00
507-210	890.500711	1	B	Flocele Blended	138	lb			1.30	179	40

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NOV 03 1950

FROM CONFIDENTIAL

Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET		
500-207	1 B	SERVICE CHARGE	632 CU. FEET	1.10	695 20
500-306	1 B	Mileage Charge	56,902	768.167	.75 576 13
No. B 595256		CARRY FORWARD TO INVOICE		SUB-TOTAL	5,263 43

WELL DATA

FIELD _____ SEC. 22 TWP. 6 RNG. 20 COUNTY ROOKS 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		14	5 1/2	RB	3684	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>SUPER SEAL 5 1/2</u>	<u>1EA</u>	
CENTRALIZERS <u>5-4 5 1/2</u>	<u>7EA</u>	
BOTTOM PLUG		
TOP PLUG		
HEAD <u>CABLE SCRATCHER</u>	<u>20EA</u>	
PACKER <u>CMT BSKT 5 1/2</u>	<u>1EA</u>	
OTHER <u>D.V.</u>	<u>1EA</u>	

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
9-9-90	9-9-90	9-9-90	9-9-90
TIME 1115	TIME 1430	TIME	TIME 2045

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
M. CHILDERS		
L. DINKEL	51143 P.T.	HAYS
R. BERENS	57252 B.T.	HAYS
D. RUTIGER BERGER	0530 B.T.	HAYS
G. PALMBERG		HAYS

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. _____ 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 CEMENT

DESCRIPTION OF JOB CEMENT PRODUCTION STRIKE

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X *[Signature]*

HALLIBURTON OPERATOR Medvin Childers COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	40	50/50	PUR	R	2% GEL 12 1/2 # GILSONITE/SK	1.53	13.2
1	200	STANDARD		B	18% SACT 1/2% CFR-3 1/2 # FLOCELE/SK	1.22	15.9
2	350	HCC		B	1/4 # FLOCELE/SK	1.84	12.7

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 500 TYPE SUPERFLUSH

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

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

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____

TREATING _____ DISPL. _____ OVERALL _____ REMARKS SEE JOB LOG

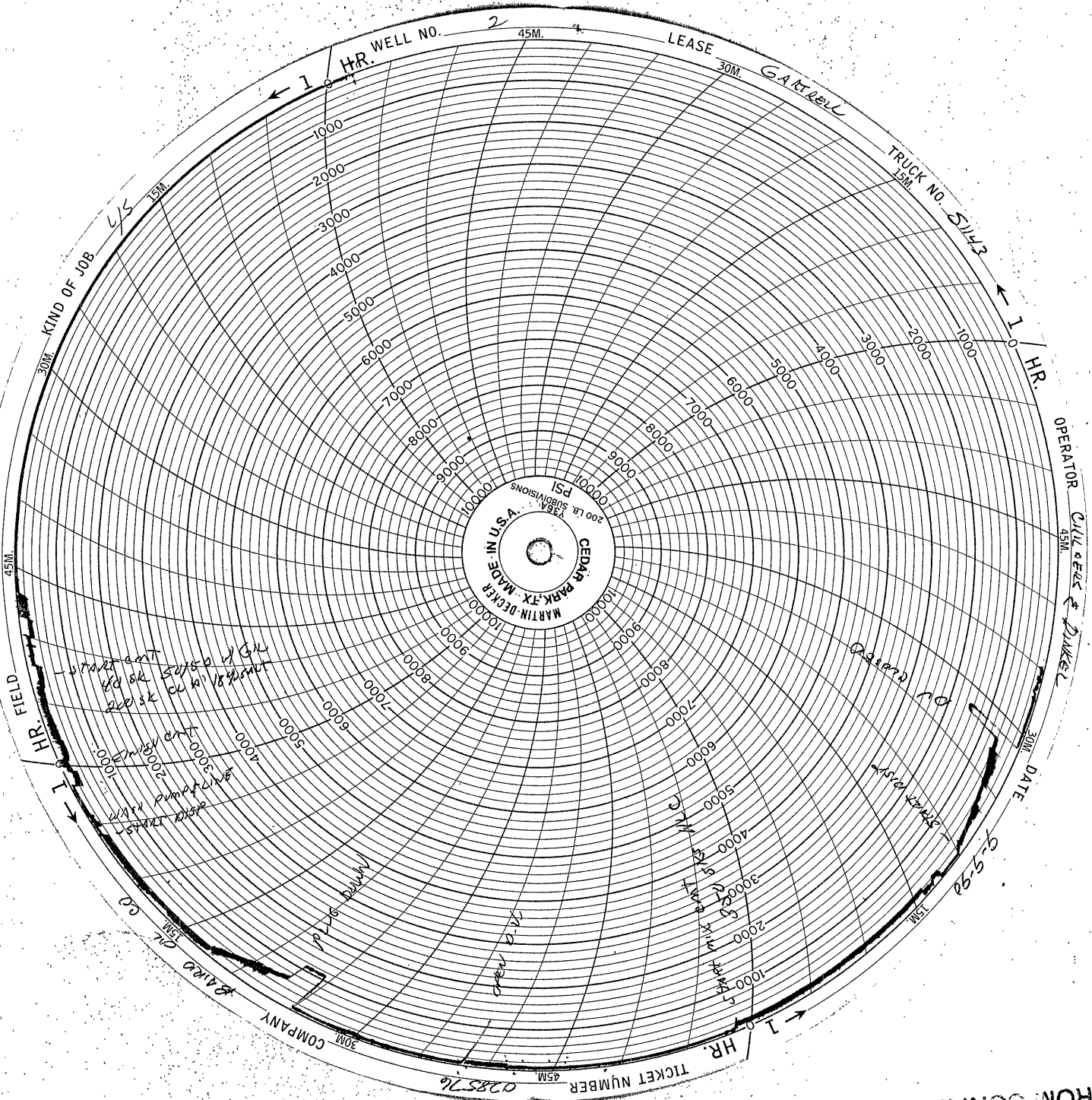
FEET 8,61 REASON SHOE JT. 200 20 150 3

FROM _____

CUSTOMER 21180
 LEASE GARTKALL
 WELL NO. 2
 JOB TYPE 45
 DATE 9-9-90

ORIGINAL

CONFIDENTIAL



FROM CONFIDENTIAL

JAN 0 3 1952

RELEASED

RECORDED & INDEXED

DEC 26 1950

FEDERAL BUREAU OF INVESTIGATION