

ORIGINAL

CONFIDENTIAL

RELEASED

63-92

SIDE ONE

163

93

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

Operator: License # 5352

Name: Baird Oil Co., Inc.

Address: P.O. Box 428

City/State/Zip Logan, KS 67646

Purchaser: Farmland Industries

Operator Contact Person: Jim Baird

Phone (913) 689-7457

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: Jim R. Baird

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

8-19-90 8-28-90 9-5-90
Spud Date Date Reached TD Completion Date

API NO. 15- 063-23,104-00-00
County _____ Rooks _____ FROM CONFIDENTIAL

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

990' FSL 1 Ft. North from Southeast Corner of Section
3080' FEL 1 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

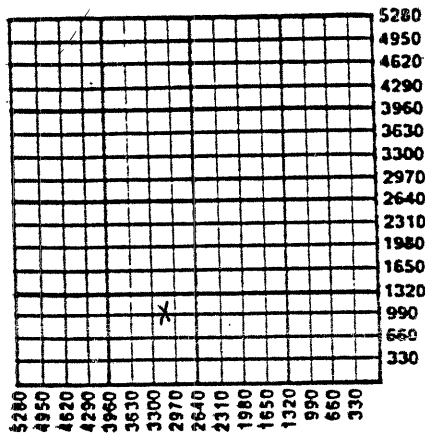
Lease Name Gartrell Well # 1

Field Name Unnamed

Producing Formation LKC - Arbuckle

Elevation: Ground 2162' KB 2167'

Total Depth 3673' PBTD _____



2-5-91

Amount of Surface Pipe Set and Cemented at 251.53 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1777 Feet

If Alternate II completion, cement circulated from 1777'
feet depth to surface w/ 335 sx 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 Jim R. Baird
Title Executive Vice-President
Date 12-11-90

DEC 13 1990

12-13-90

Subscribed and sworn to before me this 11th day of December, 1990.

Notary Public Robert B. Hartman

Date Commission Expires 3/29/91

ROBERT B. HARTMAN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 3/29/91

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

CONFIDENTIAL

SIDE TWO

Operator Name Baird Oil Co., Inc. Lease Name Gartrell Well # 1
County Rooks
Sec. 22 Twp. 6S Rge. 20 [X] West

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 [X] Yes [] No
Samples Sent to Geological Survey [] Yes [] No
Cores Taken [] Yes [] No
Electric Log Run [X] Yes [] No
*See attached sheet

Formation Description
Log [X] Sample []
Name Top Bottom
Topeka 3163 (-995)
Heebner 3362 (-1194)
Toronto 3385 (-1217)
Lansing 3400 (-1232)
BKC 3599 (-1431)
Gor Snd 3636 (-1468)
Arbuckle 3670 (-1502)
TD 3675 (-1507)

CASING RECORD [X] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Rows include surface, production, and 2nd stage.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Includes columns for Shots Per Foot, Specify Footage of Each Interval Perforated, and Amount and Kind of Material Used.

TUBING RECORD
Size 2-3/8" Set At 3483.11 Packer At Liner Run [] Yes [] No

Date of First Production 9-11-90 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)

Estimated Production Per 24 Hours
Oil 60 Bbls. Gas Mcf Water 0 Bbls. Gas-Oil Ratio Gravity 37.4

Disposition of Gas: None
METHOD OF COMPLETION [] Open Hole [X] Perforation [] Dually Completed [] Commingled
Production Interval


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P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

 A Halliburton Company

INVOICE NO.	DATE
908547	08/28/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
GARTRELL 1		ROOKS		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
HAYS		ABERCROMBIE		CEMENT PRODUCTION CASING	
ACCT. NO.		CUSTOMER AGENT		VENDOR NO.	
044605		JIM BAIRD		COMPANY TRUCK	
				SHIPPED VIA	
				FILE NO.	
				00632	
				TICKET DATE	
				08/28/1990	

BAIRD OIL CO., INC.
BOX 7
LOGAN, KS 67646

RELEASED

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	29	MI	2.35	68.15
		1	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	3671	FT	1,145.00	1,145.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	950.00	950.00
		1	UNT		
018-317	SUPER FLUSH	12	SK	74.00	888.00
71	MULT STAGE CEMENTER 5-1/2" 8RD	1	EA	2,450.00	2,450.00
813.10354					
75	PLUG SET 5 1/2"	1	EA	400.00	400.00
812.0162					
56	WALL CLEANER CABLE TYPE 5 1/2"	20	EA	27.50	550.00
807.2005					
40	CENTRALIZER 5-1/2" MODEL S-4	7	EA	44.00	308.00
807.93022					
320	CEMENT BASKET 5 1/2"	1	EA	90.00	90.00
800.8883					
5A	FLOAT SHOE 5 1/2" 8RD SSII	1	EA	194.00	194.00
837.06900					
504-308	STANDARD CEMENT	200	SK	5.45	1,090.00
504-308	STANDARD CEMENT	20	SK	5.45	109.00
506-105	POZMIX A	20	SK	2.88	57.60
506-121	HALLIBURTON-GEL 2%	1	SK	.00	N/C
504-316	HALLIBURTON LIGHT W/STANDARD	350	SK	5.21	1,823.50
509-968	SALT	1560	LB	.10	156.00
507-153	CFR-3	94	LB	3.90	366.60
508-292	GILSONITE, SACKED	500	LB	.42	210.00
507-210	FLOCELE	138	LB	1.30	179.40
500-207	BULK SERVICE CHARGE	632	CFT	1.10	695.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	825.079	TMI	.75	618.81

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STATE CORPORATION COMMISSION

DEC 13 1990

CONSERVATION DIVISION
Wichita Kansas

***** CONTINUED ON NEXT PAGE *****

TERMS 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

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GARTRELL #1

Sec.22-7S-20W, Rooks Co., Ks.

DRILL STEM TESTS

- DST #1 (3303-3325) 30-30-30-30 IFP:67-102 ISIP:1093 FFP:148-196
FSIP:1088 Rec. 390' M.W.(5% mud) 1st open: fair blow
- DST #2 (3354-3394)30-30-30-30 IFP:54-217 ISIP: 1165 FFP: 269-347
FSIP:1148 Rec. 806' gas in pipe; 715' cl.gassy oil: 125'
G.M.C.O. (15% gas, 35% mud 50% oil) 95' O.C.M. (15% oil 85%
mud) Strong blow.
- DST #3 (3389-3415) 30-30-30-30 IFP:23-106 ISIP:1152 FFP:147-190
FSIP:1130 Rec.745'GIP, 525' cl.gassy oil; 100' H.O.C.M.
(33% oil 67% mud) Strong blow
- DST #4 (3421-3448) 30-30-30-30 IFP:111-327 ISIP: 1147 FFP:371-473
FSIP:1121 Rec. 1290' G.I.P.; 1300' gassy cl. oil; 65'H.O.C.M.
(30% oil 70% mud) Strong blow
- DST #5 (3441-3463) 30-30-30-30 IFP:54-213 ISIP:1165 FFP: 256-328
FSIP:1135 Rec. 1230 G.I.P.;722' cl.gassy oil;62' M.C.O. (37%
mud 63% oil) 125' M.W. w/oil specs (12% mud 88% wtr.)Strong blow
- DST #6 (3461-3484) 30-30-30-60 IFP:89-196 ISIP: 1088 FFP:264-314
FSIP:1093 Rec. 630 S.G.C.M.W. w/oil specs (3% gas 12% mud
85% wtr.) Fair to strong blow
- DST #7 (3506-3538) 30-30-10-0 IFP:26-26 ISIP:30 FFP:28-28 FSIP:0
Rec. 5' mud w/oil scum, good odor. Very weak blow-1st open
No blow-2nd open
- DST #8 (3532-3555) 30-30-30-30 IFP:26-80 ISIP:260 FFP:110-141
FSIP: 260 Rec. 372' G.I.P.;360' cl. gassy oil; 75' H.O.C.M.
(35% oil 65% mud) Fair to strong blow
- DST #9 (3553-3573) 30-30-0-0 IFP:28-28 ISIP:28 Rec.1' OCM (5% oil est.)
very weak blow-1st open; no blow-2nd open
- DST #10(3644-3653) 45-50-45-45 IFP:41-46 ISIP: 746 FFP:52-68
FSIP: 571; Rec.94' cl.gassy oil;30' H.O.C.M.(30% oil 70% mud)
weak to fair blow-1st open;weak blow-2nd open.
- DST #11 (3593-3653) 45-45-45-45 IFP:76-76 ISIP: 809 FFP:109-109
FSIP:765, Rec. 135' G.I.P.;110'C.G.O.;60'O.C.M.(35%oil 65% mud)
fair blow-1st open (8½") 2nd open-4" blow

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CONSERVATION DIVISION
Wichita, Kansas

CONFIDENTIAL

PAGE 1 OF _____ PAGES

#1962



RELEASED

TICKET NO. 908547-2

FORM 1906 R-11

15Z

22-6-20

A Division of Halliburton Company

NOV 03 1992

WELL NO. - FARM OR LEASE NAME: #1 GARTRELL COUNTY: ROOKS STATE: KS DATE: 8-28-90

CHARGE TO: BAIRD OIL CO, INC OWNER: SAME

ADDRESS: Box 7 CONTRACTOR: ABERCROMBIE

CITY, STATE, ZIP: Logan, KS 67646 SHIPPED VIA: HALCO FREIGHT CHARGES: PPD COLLECT

WELL TYPE: 01 WELL CATEGORY: 03 WELL PERMIT NO.: TICKET TYPE (CHECK ONE): SERVICE SALES NITROGEN JOB: YES NO

TYPE AND PURPOSE OF JOB: 035 B- DELIVERED TO: N/E DAMAR, KS 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		1		MILEAGE	29	m			2.35	68 15
007-013	001-016	1		PUMP SERVICE 1 ST STAGE	307	FT				1145 00
007-161		1		PUMP SERVICE 2 ND STAGE	1	EA				950 00
018-317		1		SUPER FLUSH	12	SK			74.00	888 00
71	813.10354	1		MULTI STAGE CMTR	1	EA	5 1/2	IN		2450 00
75	812.0162	1		PLUG SET	1	EA	"	"		400 00
56	807.2005	1		CABLE STRATCHERS	20	EA	5 1/2	IN	27.50	550 00
40	807.73022	1		CENTRALIZERS	7	EA	5 1/2	IN	44.00	308 00
320	800.8883	1		CMT BASKET	1	EA	5 1/2	IN		90 00
5A	837.06900	1		SUPER SEAL FLOAT SHOE	1	EA	5 1/2	IN		194 00

C

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-

CONSERVATION DIVISION
WIC 81/5886

5305 61

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X *[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.

Melvin R. Chelers

SUB TOTAL 12349 26



BULK MATERIALS DELIVERY

AND

TICKET CONTINUATION

CONFIDENTIAL 108541

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73836

DATE 8-28-90	CUSTOMER ORDER NO.	WELL NO. AND FARM	COUNTY Phillips	STATE Kansas
CHARGE TO Baird Oil Co.		OWNER Same	CONTRACTOR Abarcrombie	No. B 515886
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 25525	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO S LASH, Ks	TRUCK NO. 3703 51252	RECEIVED BY <i>C. D. H. S.</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261	1	B	Standard Cement	200				5.45	1,090	00
				40Cu. Ft. Pozmix Cement							
504-308	516.00261	1	B	Standard Cement	20				5.45	109	00
506-105	516.00286	1	B	Pozmix 'A'	20				2.88	57	60
506-121	516.00259	1	B	1 sk Halliburton Gel							n/c
504-316		1	B	Halliburton Light Cement	350				5.21	1,823	50
<i>504-308</i>	<i>516.00261</i>			<i>228 Reg Port</i>							
<i>506-105</i>	<i>516.00286</i>			<i>122 Pozmix A</i>							
<i>506-121</i>	<i>516.00259</i>			<i>18 Halliburton Gel</i>							
509-968	516.00315	1	B	Salt Blended	1560	lb			.10	156	00
507-153	516.00161	1	B	CFR-3 Blended	94	lb			3.90	366	60
508-292	70.15573	1	B	Gilsonite Blended	500	lb			.42	210	00
507-210	890.50071	1	B	Floccule Blended	138	lb			1.30	179	40
RELEASED											
MAY 3 1992											
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	1.10		695	20
500-306		1	B	Mileage Charge	56,902	29	825,079	.75		618	81
No. B 515886		CARRY FORWARD TO INVOICE					SUB-TOTAL		5,305 61		

DISTRICT 1445 DATE 8-27-90

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) **CONFIDENTIAL**

WELL NO. 1 LEASE GARTRELL SEC. 22 TWP. 6 RANGE 20

FIELD _____ COUNTY ROOKS STATE KS OWNED BY SAME

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 CASING w/ 40 SKS 50/50 P02 2 1/2 GAL 12 1/2" GILSONITE /SK
200 SKS STANDARD w/ 18% SALT 1/2" CER-3 1/2" FLOCELE /SK
PREFLUSH w/ 500 GAL
CEMENT TOP STAGE w/ 350 SKS HLC w/ 1/2" FLOCELE /SK

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 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.

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

SIGNED _____ DATE 8-27-90 TIME 11:00 P.M. CUSTOMER

WELL DATA

FIELD _____ SEC. 22 TWP. 6 RNG. 20 COUNTY ROCKS 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 _____

JOB DATA

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
8-27-90	8-27-90	8-27-90	8-28-90
TIME	TIME	TIME	TIME
2000	2000	2300	0330

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
M. CHILDERS	51374 P.T.	HAYS, KS
R. BERENS	51252 B.T.	HAYS, KS
R. KUHN	3703 B.T.	HAYS, KS
G. PALMBERG		

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>SUPERSEAL 5 1/2</u>	<u>1 EA</u>	<u>HALLCO</u>
CENTRALIZERS <u>-4</u>	<u>7 EA</u>	<u>11</u>
BOTTOM PLUG <u>SET DV 5 1/2</u>	<u>1 EA</u>	<u>11</u>
TOP PLUG		
HEAD		
PACKER <u>CASE SCRATCH 2 1/2</u>	<u>20 EA</u>	<u>1</u>
OTHER <u>DV</u>	<u>5 1/2</u>	<u>1 EA</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API _____

DISPL. FLUID _____ DENISTY _____ LB/GAL-API _____

PROP. TYPE _____ SIZE _____ LB. _____

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 CASING IN 2 STAGES

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE M. Childers

HALLIBURTON OPERATOR M. 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	POZ	B	20% GEL 12 1/2 # SILSONITE /SK	1.53	13.2
1	200	STANDARD		B	18% SALT 1/2 # CFR-3 1/4 # FLOCCLE	1.22	10.0
2	350	HLC			1/4 # FLOCCLE /SK	1.84	12.7

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. 510 TYPE SUPER FLUSH

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. _____

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

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

RELEASED

REMARKS

FROM CONFIDENTIAL

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER: BAIRD OIL CO.
LEASE: GARTRELL
WELL NO: 1
JOB TYPE: LUNG STRIPS
DATE: 8-27-90

CONFIDENTIAL

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1 LEASE GARTRELL TICKET NO. 908547

CUSTOMER BAIRD PAGE NO. 1

FORM 2013 R-2 JOB TYPE ORIGINAL DATE 8-27-90

CONFIDENTIAL

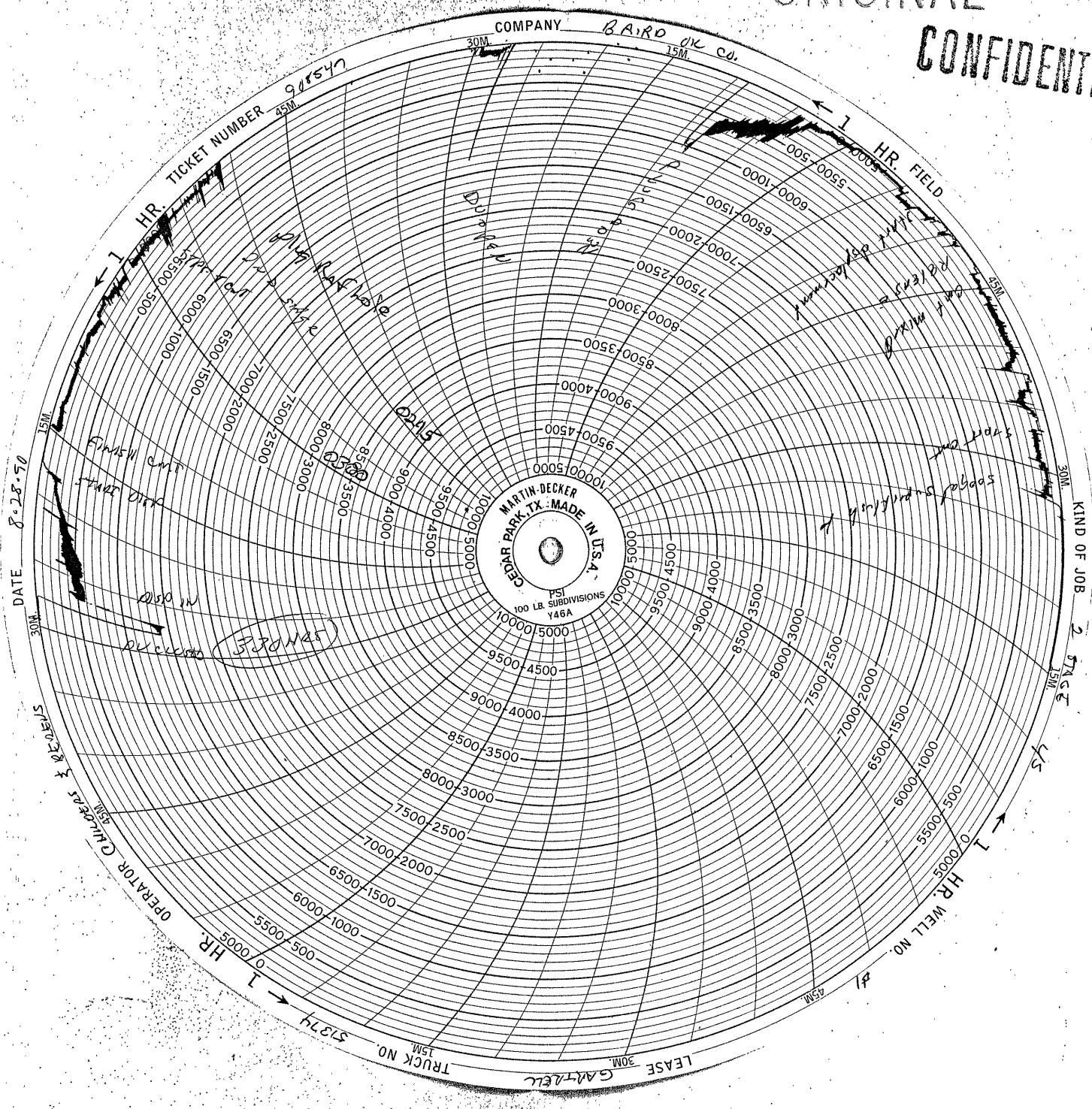
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								ON LOC W/ F.E. & TAKE RIG JUST FINISHED LAYING DOWN R.P. TO RIG UP & RUN 140' 5 1/2" CSG BE SET @ 3671 TALL 3080' D.V. @ 1777' SHOE ST. 10.75' CENTRIZERS 1, 2, 5, 7, 10 45' CMT BASKET ON 46" ST.
1110								CSG ON BIT HOOK UP TO RIG & CIRC HOOK UP TO HT. MIX & PUMP 500 G/W SUPER FLUSH 40 SKS 50/50 P02 240 GEL 12 1/2" GILSONITE 200 SKS CL A 18% SALT 1/2% CER-3 1/4" FROCKLE FINISH MIX CMT - WASH PUMPS LINE DROP 15" STAGE PLUG START DISP 46 BBL H2O 43.5 BBL W/D
208			89 1/2				800	PLUG DOWN
210							1000	RELEASE PRESSURE SUPER SEAL SHOE HELD DROP D.V. OPENING DEVICE
228							1325	OPEN D.V. ESTABLISH CIRC HOOK UP TO RIG PUMP & CIRC PLUG RAT HOLE W/ 15 SKS HLC
245								HOOK UP TO CSG MIX & PUMP 335 SKS HLC W/ 1/4" FROCKLE
315							150	FINISH CMT RELEASE D.V. CLOSING PLUG
218			43 1/2					START DISP
							550	DISP IN
328							1400	CLOSE D.V.
330								RELEASE PRESSURE D.V. CLOSED (CMT CIRC TO SURFACE APPROX 40 SKS)
			SED					JOB COMPLETE
			3					Thank you
								M. CHILDERS
								R. BERENS
								G. PALMBERG

FROM CONFIDENTIAL

CONSERVATION DIVISION
Wichita, Kansas

RETAIN

ORIGINAL
CONFIDENTIAL



RELEASED

FROM CONFIDENTIAL

CONSERVATION DIVISION
Wichita, Kansas