

*Confidential*  
SIDE ONE

ORIGINAL

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

API NO. 15- 071-20,539-00-00

County Greeley  
100' W of C S/2 SW SW Sec. 11 Twp. 16S Rge. 42  East  West

330 Ft. North from Southeast Corner of Section  
4720 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

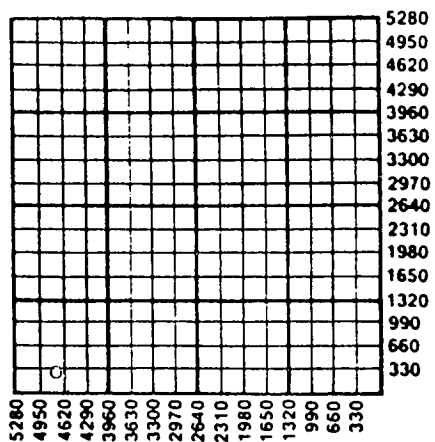
Lease Name Young Well # 1-11

Field Name wildcat

Producing Formation Morrow

Elevation: Ground 3811 KB 3820

Total Depth 5249 PBTD 5179



7-17-91

Amount of Surface Pipe Set and Cemented at 354 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1952 Feet

If Alternate II completion, cement circulated from 1952

feet depth to surface w/500 sx 6% gel/<sup>1/4</sup> floccle/sx cmt.

Operator: License # 05152

Name: Lee Banks (d/b/a Banks Oil Co.)

Address 200 West Douglas  
Suite 550

City/State/Zip Wichita, KS 67202

Purchaser: Texaco Oil Trading

Operator Contact Person: Lee Banks

Phone (316) 267-0783

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Scott Banks

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

02-28-91 03-09-91 03-30-91  
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 [Signature]  
Title owner Date 6-19-91

Subscribed and sworn to before me this 19th day of June, 1991.

Notary Public Darlene J. May STATE OF KANSAS  
Date Commission Expires August 28, 1992

**K.C.C. OFFICE USE ONLY**

F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received

**Distribution**

KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)



CONSERVATION DIVISION  
Wichita, Kansas

Form ACO-1 (7-89)

Confidential

SIDE TWO

Operator Name Lee Banks (d/b/a Banks Oil Co.) Lease Name Young Well # 1-11

Sec. 11 Twp. 16S Rge 42  East  West County Greeley

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	
Name	Top Bottom
Topeka	3932 (- 112)
Heebner	4084 (- 264)
Lansing	4200 (- 380)
Marmaton	4514 (- 694)
Cherokee	4720 (- 900)
Atoka	4840 (-1020)
Morrow Shale	4992 (-1172)
Lower Morrow Sand	5060 (-1240)
Morrow Lime	5076 (-1256)
Mississippi	5142 (-1322) LTD 5249'

D.S.T.#1 5061-5090, times 30,45,45,90, Rec. appx. 2000' oil in drill pipe, IFP 926-976 ISIP 1035; FFP 1025-1045, FSIP 1045

**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"	23#	354	60/40 Poz	230	2% gel, 3% CC
Production		5-1/2"	14#	5227	Class H	150	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 SPF	5062-68	none	

**TUBING RECORD** Size 2-7/8" Set At Seating Nipple 5087 Packer At none Liner Run  Yes  No

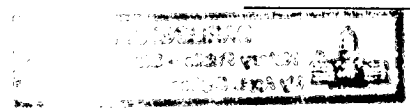
Date of First Production 3-31-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 160 Bbls. Gas 10 Mcf Water Bbls. Gas-Oil Ratio 40 Gravity  
slight show

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

**METHOD OF COMPLETION**  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



**HALLIBURTON SERVICES**  
Duncan, Oklahoma 73556

A Division of Halliburton Company

JUN 24 1991

TICKET

NO. 105587-9

FORM 1905 R-11

WELL NO. - FARM OR LEASE NAME <b>1-11 Young</b>		COUNTY <b>Grealey</b>	STATE <b>Ks</b>	CITY / OFFSHORE LOCATION	DATE <b>3-9-91</b>
CHARGE TO <b>BANKS Oil Co.</b>		OWNER <b>BANKS Oil Co</b>	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 <b>MURFIN</b>	LOCATION <b>1 LAMAR, Ks</b>		CODE <b>25615</b>
CITY, STATE, ZIP		SHIPPED VIA <b>Co TRK</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION <b>2</b>
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO. <b>B-815319</b>	DELIVERED TO <b>N. Tribune, Ks</b>		LOCATION <b>3</b>
TYPE AND PURPOSE OF JOB <b>035</b>		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	60	Mi			2.35	141.00
000-118				Mileage Surcharge	60	mi			1.40	84.00
001-016				Pump Charge	5229	ST	8	hrs		1325.00
030-016				SW Rubber Plug	1	ea	5 1/2	in		50.00
018-317				Super Flush	10	ea			74.00	740.00
314-113				Clay Fix II	1	gal				20.00
12 A	825.205	01288		Regular Guide Shoe	1	ea	5 1/2	in		105.00
24 A	815.19251	01289		INSERT Float Valve	1	ea	5 1/2	in		83.00
27-	815.19348	01290		Fill up UNIT	1	ea				30.00
40	807.93022	01291		S-4 Centralizers	7	ea	5 1/2	in	44.00	308.00
73	813.01509	92		FD Cementer	1	ea	5 1/2	in		1610.00
350	890.10802	93		Halliburton Weld A	2	ea			11.50	23.00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-815319** **2204 761**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X **H. Feau**  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **H. Feau**  
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.

**H. D. Tyson**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL **1088**

FIELD OFFICE

SUB TOTAL **6663 74**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



DISTRICT LIBERAL DATE 3-9-91

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

WELL NO. 1-11 LEASE Young SEC. 11 TWP. 16S RANGE 42W

FIELD wildcat COUNTY Greeley STATE Ks OWNED BY BANKS Oil Co.

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.
CASING		U	24	8 5/8	KB	354	
LINER							
TUBING		N	14	5 1/2	KB	5229FL	
OPEN HOLE				7 7/8	354	5250	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED   
Cement 5 1/2" Longstring w/ 150 SKs Premium 5% KCL  
16% HALAD 322

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 unit 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 H. H. [Signature] CUSTOMER

DATE 3-9-91

TIME 1800 A.M. (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.

FIELD OFFICE

WELL DATA  
FIELD Wildcat SEC 11 TWP 16S RNG 42W COUNTY Greeley 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.  
FOOTER TYPE FO Tool SET AT 1950  
BOTTOM HOLE TEMP. PRESSURE  
MISC. DATA TOTAL DEPTH 5250

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows include CASING (U, 24, 8 5/8 KB, 354), LINER, TUBING (N, 14, 5 1/2 KB, 322996), OPEN HOLE (7 7/8, 354, 5250), and PERFORATIONS.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY., MAKE. Includes entries for Float Collar, Floor Shoe (Insert w/Fill), Guide Shoe (Cement), Centralizers (S-4), Bottom Plug, Top Plug (SW), Head (Prel Fall), and Packer.

JOB DATA table with columns: CALLED OUT DATE, ON LOCATION DATE, JOB STARTED DATE, JOB COMPLETED DATE. Includes times: 1000, 1730, 0156, 0300.

MATERIALS section with fields for TREAT. FLUID, DISPL. FLUID, PROP. TYPE, ACID TYPE, SURFACTANT TYPE, NE AGENT TYPE, FLUID LOSS ADD. TYPE, GELLING AGENT TYPE, FRIC. RED. AGENT TYPE, BREAKER TYPE, BLOCKING AGENT TYPE, PERFPAC BALLS TYPE, and OTHER.

PERSONNEL AND SERVICE UNITS table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists G.D. MOORE (46066, 40079, LAMAR, CO), J. CRAWFORD (D-7877, 3801, 6595, LAMAR, CO), and D. MCINTYRE (D-9704, 4149, 5070, LAMAR, CO).

DEPARTMENT Cement  
DESCRIPTION OF JOB Cement 5 1/2" LONGSTRING  
JOB DONE THRU: TUBING, CASING, ANNULUS, TSG/ANN.  
CUSTOMER REPRESENTATIVE H. D. Moore  
HALLIBURTON OPERATOR H. D. Moore  
COPIES REQUESTED

CEMENT DATA table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Includes entry for Stage 1 with 150 sacks of Prem. SW B cement and additives 5% KCL, 1.6% HALAD 322.

PRESSURES IN PSI  
CIRCULATING DISPLACEMENT  
BREAKDOWN MAXIMUM  
AVERAGE FRACTURE GRADIENT 2, 1991  
SHUT-IN: INSTANT 5-MIN. 15-MIN.  
HYDRAULIC HORSEPOWER  
ORDERED AVAILABLE USED  
AVERAGE RATES IN BPM  
TREATING DISPL. CEMENT LEFT IN PIPE OVERALL  
FEET 42.52 REASON Shoe Joint

SUMMARY  
PRESLUSH: BBL GALS 10 BBL SWCF  
LOAD & BKDN: BBL GALS 5 BBL KCL WATER  
TREATMENT: BBL GALS  
CEMENT SLURRY: BBL GALS 32  
TOTAL VOLUME: BBL GALS 178.5  
REMARKS  
THANK YOU FOR CALLING  
HALLIBURTON

CUSTOMER: BANKS OIL Co  
LEASE: Young  
WELL NO: 1-11  
JOB TYPE: 5 1/2" Longstring 3-9-91



**JOB LOG**

WELL NO. 1-11 LEASE Young TICKET NO. 105581  
 CUSTOMER BANKS-DILCO PAGE NO. 1  
 JOB TYPE 5 1/2" Longstring DATE 3-9-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				TC	CS	TUBING	CASING	
	1000							Called out Unit #6595P Request on Loc ON Loc, Rig Pulling Pipe 1600K up to Circulate w/Rig START KCL Water Ahead START Super Flush START KCL Water behind START Mix Cement Finish Mix Cement Drop Plug + Washup START Displacement Finish Displacement Plug Landed + Float held Job Complete
	1800							
	1730							
	0130							
1	0156	5	5				400	
2	0157	5	10				400	
3	0159	5	5				400	
4	0200						400	
5	0207	5	32				200	
6	0208						0	
7	0210						0	
8	0234	5.27	126.5				600	
9	0234						1000	

Thank you  
Dennis  
Young

KIND OF JOB

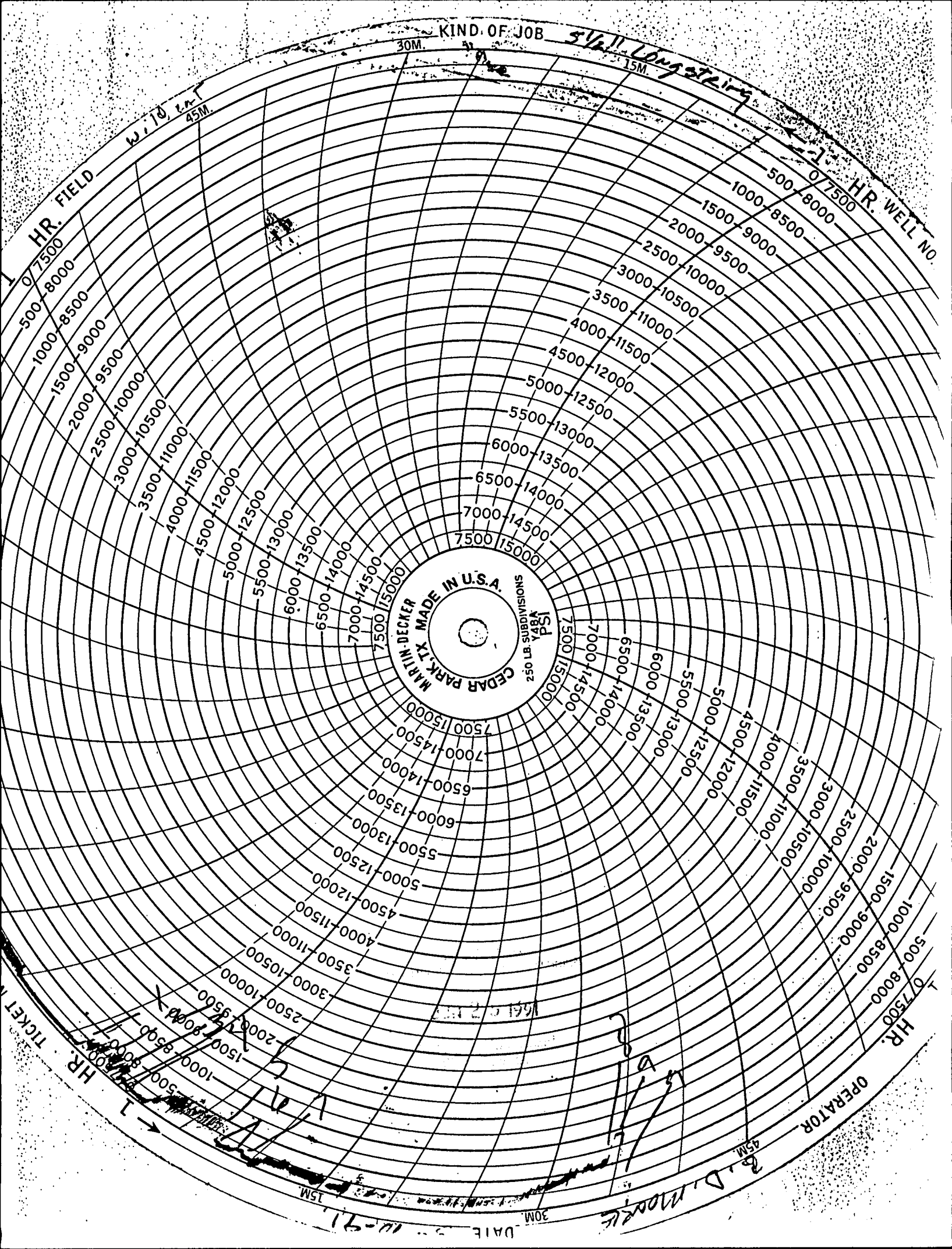
5 1/2" Long string

30M.

15M.

HR. FIELD  
45M.

HR. WELL NO.



MADE IN U.S.A.  
CEDAR PARK, TX

250 LB. SUBDIVISIONS  
PS  
YABA

MARTIN DECKER

HR. TICKET NO. 1

Handwritten notes and scribbles, including "1500-8000" and "2000-9500".

Handwritten signature or initials.

R. D. MORRIS

DATE 11-91

15M.

30M.

45M.



**HALLIBURTON SERVICES**  
Duncan, Oklahoma 73536

A Division of Halliburton Company

JUN 24 1991

TICKET NO. 105652-8

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME <b>1 Young</b>		COUNTY <b>Greerley</b>	STATE <b>KS</b>	CITY / OFFSHORE LOCATION	DATE <b>3-20-91</b>
CHARGE TO <b>Banks Oil Co</b>		OWNER <b>Same</b>	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	LOCATION <b>1 Lamar Co</b>		CODE <b>25615</b>
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <b>2</b>	
WELL TYPE <b>01</b>	WELL CATEGORY <b>02</b>	WELL PERMIT NO. <b>B-815327</b>	DELIVERED TO	LOCATION <b>3</b>	
TYPE AND PURPOSE OF JOB <b>020</b>		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.

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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	60	mi			2.35	141.00
000-118				Surcharge	60	mi			.40	24.00
009-019				Pump Charge	1952	FT				1330.00
<i>FO - 11</i>										
<i>5-1-88</i>										
<i>tip</i>										
<i>[Signature]</i>										
JUN 25 1991 CONSERVATION DIVISION Wichita, Kansas										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-815327** **4821.29**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X **H. Frank**  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **[Signature]**  
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.

**Heeman Slatten**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL **[Signature]**  
FIELD OFFICE

SUB TOTAL **6316.29**

APPLICABLE TAXES V  
BE ADDED ON INVOICE



DISTRICT Liberal Ks DATE 3-20-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Banks O.I. Co (CUSTOMER)  
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE Young SEC. 11 TWP. 16s RANGE 42W

FIELD Wildcat COUNTY Cocatox STATE Ks OWNED BY Banks O.I. Co

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.
CASING				5 1/2	KB	TD	
LINER							
TUBING				2 3/8	LB	1952	
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_  
2nd stage with 500 lbs HLC by flooble

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.

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

SIGNED [Signature] CUSTOMER  
DATE 3-20-91  
TIME 0230 P.M.

CUSTOMER *Baker Oil Co* LEASE *Young* WELL NO. *1* JOB TYPE *2nd Stage F.O.* DATE *3-20-91*

WELL DATA

FIELD *Wildcat* SEC *11* TWP *16s* RNG *420* COUNTY *Gregeley* STATE *Ks*

FORMATION NAME	TYPE	CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
FORMATION THICKNESS	FROM TO	LINER						
INITIAL PRODUCTION	BPD WATER BPD GAS MCFD	TUBING						
PRESENT PRODUCTION	BPD WATER BPD GAS MCFD	OPEN HOLE						SHOTS/FT.
COMPLETION DATE	MUD TYPE MUD WT	PERFORATIONS						
PACKER TYPE	SET AT	PERFORATIONS						
BOTTOM HOLE TEMP	PRESSURE	PERFORATIONS						
MISC DATA	TOTAL DEPTH							

JOB DATA

TOOLS AND ACCESSORIES

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

CALLS OUT DATE <i>3-20</i> TIME <i>0400</i>	ON LOCATION DATE <i>3-20</i> TIME <i>0730</i>	JOB STARTED DATE <i>3-20</i> TIME <i>0900</i>	JOB COMPLETED DATE <i>3-20</i> TIME <i>1310</i>
---	---	---	---

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Slatten 41012</i>	<i>37421</i>	<i>Lamar Co</i>
<i>Crawford 07877</i>	<i>6595</i>	<i>"</i>
<i>Palmer 13672</i>	<i>6607</i>	<i>"</i>
<i>McIntyre 129704</i>	<i>5070</i>	<i>"</i>

MATERIALS

TREAT. FLUID DENSITY LB/GAL-API

DISPL. FLUID DENSITY 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

DEPARTMENT *Cement*

DESCRIPTION OF JOB *2nd Stage FO with 500 lbs HLC 1/2 flocc*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE *X W. Franklin*

HALLIBURTON OPERATOR *Herman Slatten* COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS/GAL.
<i>1</i>	<i>500</i>	<i>HLC</i>		<i>B</i>	<i>1/2 flocc</i>	<i>1.84</i>	<i>12.7</i>

SUMMARY

PRESSURES IN PSI

CIRCULATING DISPLACEMENT

BREAKDOWN MAXIMUM

AVERAGE FRACTURE GRADIENT

SHUT-IN INSTANT 5-MIN 15-MIN

ORDERED AVAILABLE USED

TREATING DISPL. CEMENT LEFT IN PIPE

FEET REASON

VOLUMES

FRESH BBL-GAL *18*

LEAD & BKDN BBL-GAL

TREATMENT BBL-GAL

CEMENT SLURRY BBL-GAL *163.8*

TOTAL VOLUME BBL-GAL

REMARKS



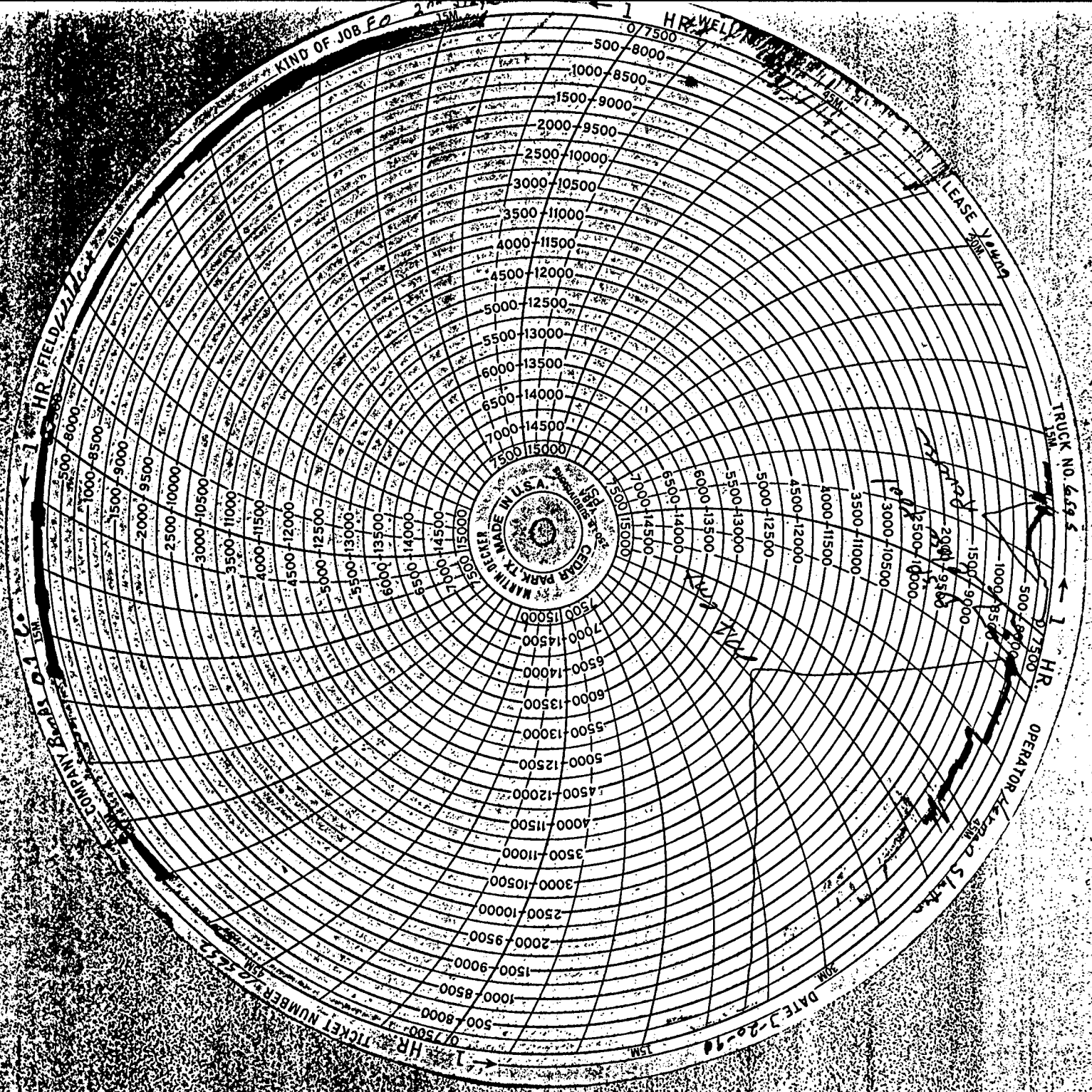
**JOB LOG**

WELL NO. 1 LEASE Young TICKET NO. 105652  
 CUSTOMER Banks Oil Co PAGE NO. \_\_\_\_\_  
 JOB TYPE 2nd Stage F.O. DATE 3-20-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0730							On Loc. 0595-P
								Trk with Tbg on Loc waiting on Rig crew
	0900							Start Tool in hole
	1040							Hook up to Tbg
	1042							Press up 300 PSI
								Well Head leaked
								Called Welder
	1212							Welder Done
	1220							Open Tool
	1221	2						Start H <sub>2</sub> O
	1223	2	5					Blow on Ann
	1224							mix Cmt
	1224	5	163.8					Start Down Hole w/ Cmt
	1228	5						Ann started circulating 34 BBL
	1250	6						Cmt start circulating
	1256	3	9					Start Disp.
	1258	3						Disp in
								Close Tool Press To 1200 PSI
	1304		1.8					Start Reverse
	1310							Reverse Clean
								Circulated About 130 Skts Cmt
								Tool AT 1952 ft





KIND OF JOB

HR WELD

LEASE

TRUCK NO. 6425

HR.

OPERATOR

DATE 7-20-98

HR TICKET NUMBER 2222



HR FIELD

COMPANY

HR





DISTRICT LIBERAL KS DATE 2-28-91

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

WELL NO. 1 LEASE YOUNG SEC. 11 TWP. 16S RANGE 424  
FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_ OWNED BY \_\_\_\_\_

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, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>24</u>	<u>8 1/2</u>	<u>KB</u>	<u>354</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>KB</u>	<u>355</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_

Out 8 1/2 SURFACE  
DISP WITS 19.5 bbl HL

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.

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

SIGNED Kodrey Gan CUSTOMER

DATE 2-28-91

TIME 2:00 P.M.

JUN 25 1991

CONSERVATION DIVISION



WELL DATA  
 FIELD \_\_\_\_\_ SEC **11** TWP **16S** RNG **42** COUNTY **GREELEY** 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 \_\_\_\_\_

CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
	<b>N</b>	<b>70</b>	<b>8 1/2</b>	<b>157</b>	<b>354</b>	
LINER						
TUBING						
OPEN HOLE			<b>12 1/4</b>	<b>KB</b>	<b>351</b>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

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

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <b>2-28-91</b>	DATE <b>2-28-91</b>	DATE	DATE
TIME <b>17:00</b>	TIME <b>20:00</b>	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<b>D. KRILICH</b>	<b>2592</b>	<b>LAMAR CO.</b>
<b>D. MCENLYAR</b>	<b>4149</b>	
<b>C. ASSEY</b>	<b>32459</b>	

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 \_\_\_\_\_

PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT **Art.**

DESCRIPTION OF JOB **f 5/2**

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE **X Rodney Parr**

HALLIBURTON OPERATOR **C. White** COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL
<b>1</b>	<b>220</b>	<b>40/60</b>	<b>102</b>	<b>220</b>	<b>Cl. 37CC 41FL</b>	<b>1.22</b>	<b>14.6</b>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM **3194**

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

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

CEMENT LEFT IN PIPE **415**

REASON **DRIFTL**

SUMMARY

PRESLUSH: BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL **19.5**

CEMENT SLURRY: BBL-GAL **30**

TOTAL VOLUME: BBL-GAL \_\_\_\_\_

REMARKS \_\_\_\_\_

CUSTOMER **BANKS OIL CO**

LEASE **YOUNG**

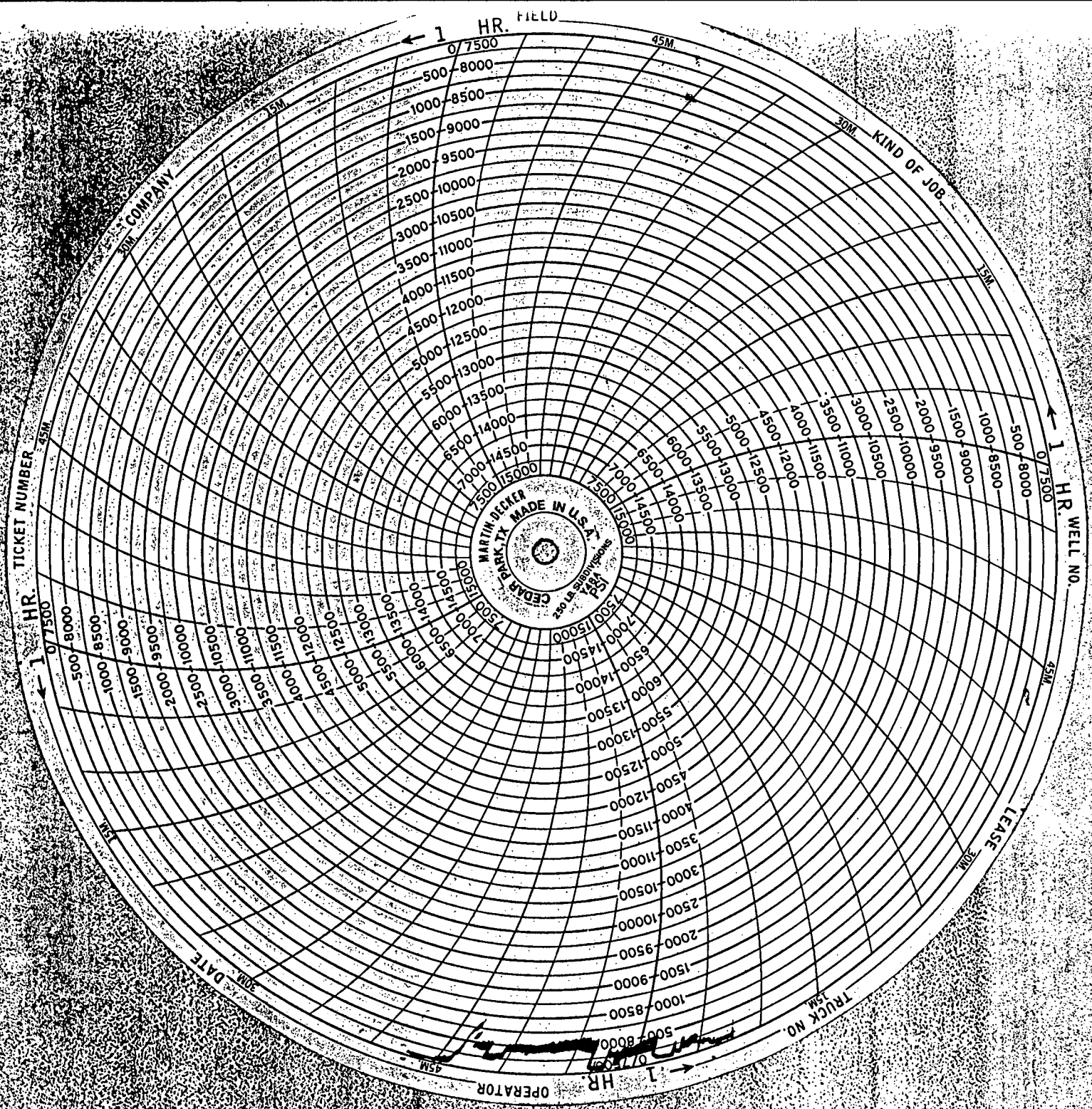
WELL NO. **1**

JOB TYPE **64**

DATE **2-28-91**







1991

Wichita, Kansas