

15-063-21306-00-00

CONFIDENTIAL
SIDE ONE

ORIGINAL

RELEASED

8-21-1991
AUG 21 1991

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

API NO. 15- 063-21,306

FROM CONFIDENTIAL

County GOVE
SE SE SE SE Sec. 10 Twp. 11S Rge. 31 X East West

Operator: License # 4656

Name: Davis Petroleum, Inc.

Address R.R. 1 Box 183 B

City/State/Zip Great Bend, Ks. 67530

Purchaser: Koch Oil Company

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

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

If OWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

12-27-89 1-05-90 1-27-90
Spud Date Date Reached TD Completion Date

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

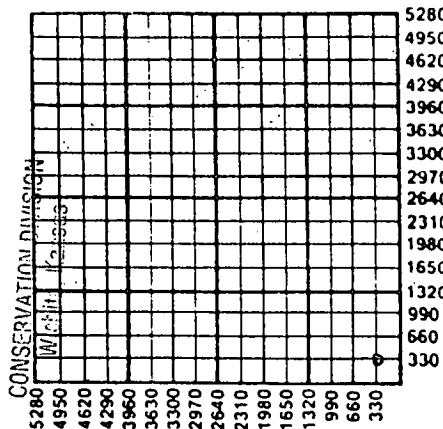
Lease Name WALZ Well # 1

Field Name Wildcat

Producing Formation Lansing Kansas City

Elevation: Ground 2987' KB 2992'

Total Depth 4630' PBTD 4591'



Amount of Surface Pipe Set and Cemented at 379' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2525' Feet

If Alternate II completion, cement circulated from 2525
feet depth to surface w/ 350 650 sx cmt.

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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.

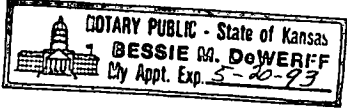
Signature L. D. Davis
Title L. D. Davis President Date 2-13-90

Subscribed and sworn to before me this 13th day of February,
19 90.

Notary Public Bessie M. Dewerff

Date Commission Expires 5-20-93

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)



SIDE TWO

Operator Name Davis Petroleum, Inc. Lease Name WALZ Well # 1
 Sec. 10 Twp. 11S Rge. 31 East County GOVE 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. RELEASED

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.)

SEE ATTACHMENT

Formation Description **AUG 2 1 1991**

Log Sample **FROM CONFIDENTIAL**

Name	Top	Bottom
Anhydrite	2521 (+471)	
Heebner	4004 (-1012)	
Lansing	4048 (-1056)	
Muncie Creek	4182 (-1190)	
Stark	4264 (-1272)	
B/KC	4325 (-1333)	
Pawnee	4448 (-1456)	
Ft Scott	4512 (-1520)	
Cherokee	4541 (-1549)	
Mississippi	4616 (-1624)	

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"	20#	379'	60/40 Poz	195	2% Gel, 3% CC
Production	7 7/8"	4 1/2"	10.5#	4629'	50/50 Poz	275	2% Gel 18% salt. 5% Halad 322
2nd Stage					Halco lite	350	2% Gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated	Depth	
2 spf expendable gun	4310-13	300 gal. 15% NE	

TUBING RECORD Size 2 3/8" Set At 4586' Packer At _____ Liner Run Yes No

Date of First Production January 27, 1990 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	56		80		

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 4310-4313

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Attachment to ACO-1 WALZ #1 SE SE SE Sec. 10-11S-31W Gove County, Kansas

DST #1 4110-4130

Times: 30-45-45-60

Blow: 1st open: 1" blow

2nd open: 1" blow

Recovery: 110' Muddy Water

IFP: 26-30 FFP: 38-50

ISIP: 1270 FSIP: 1235

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FROM CONFIDENTIAL

DST #2 4174-4210

Times: 30-30

Blow: 1st open: surface blow died in 15 min.

2nd open: no blow

Recovery: 2' mud

IFP: 26-26 FFP:

ISIP: 48 FSIP:

DST #3 4208-4254

Times: 30-45-45-60

Blow: 1st open: 2" blow

2nd open: 4" blow

Recovery: 90' gip, 30' HOCM 25% oil

IFP: 46-49 FFP: 51-51

ISIP: 457 FSIP: 660

DST #4 4263-4319

Times: 30-45-45-60

Blow: 1st open: off bb in 3 min.

2nd open: off bb in 3 min.

Recovery: 1300' gip, 1200' mgwo 15% mud, 15% water

480' SWO 5% Gas, 5% mud, 20% water, 70% oil

20' water

IFP: 278-383 FFP: 442-630

ISIP: 1263 FSIP: 1241

DST #5 4501-4599

Times: 30-45-45-60

Blow: 1st open: off bb in 3 min.

2nd open: off bb in 2 min.

Recovery: 2800' gip, 220' smgo

IFP: 56-62 FFP: 70-81

ISIP: 326 FSIP: 274

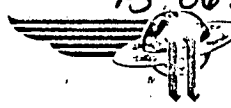
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Wichita, Kansas

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ORIGINAL



ORIGINAL

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

HALLIBURTON SERVICES

A Halliburton Company

INVOICE

INVOICE NO.	DATE
802634	01/05/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
WALZ 1		GOVE		KS	L.D. DRILLING	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
OBERLIN		L.D. DRILLING	CEMENT PRODUCTION CASING		01/05/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
489450	DAVIDSON			COMPANY TRUCK	88617	

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AUG 21 1991

L D DRILLING CO
ROUTE 1 BOX 183-B
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	10	MI	2.20	22.00
007-013	MULT STAGE CEMENTING-1ST STAGE	4630	FT	1,122.00	1,122.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	865.00	865.00
		1	UNT		
018-317	SUPER FLUSH	12	SK	74.00	888.00
26	INSERT VALVE F. S.- 4 1/2"	1	EA	216.00	216.00
847.6316					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19111					
40	CENTRALIZER 4-1/2" MODEL S-4	7	EA	41.00	287.00
807.93004					
66	FASGRIP LIMIT CLAMP 4 1/2"	1	EA	9.60	9.60
807.64021					
320	CEMENT BASKET 4 1/2"	3	EA	85.00	255.00
800.8881					
71	MULT STAGE CEMENTER 4-1/2" 8RD	1	EA	2,350.00	2,350.00
813.10161					
75	PLUG SET 4 1/2"	1	EA	330.00	330.00
812.0112					
504-308	STANDARD CEMENT	25	SK	6.75	168.75
504-308	STANDARD CEMENT	125	SK	6.75	843.75
506-105	POZMIX A	125	SK	3.50	437.50
506-121	HALLIBURTON-GEL 2%	5	SK	.00	N/C
509-968	SALT	2155	LB	.063	135.77
507-775	HALAD-322	105	LB	5.60	588.00
504-308	STANDARD CEMENT	228	SK	6.75	1,539.00
506-105	POZMIX A	122	SK	3.50	427.00
506-121	HALLIBURTON-GEL 2%	7	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	24	SK	13.00	312.00
507-285	ECONOLITE	609	LB	.82	499.38

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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 ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

ORIGINAL

15-063-21306-00-00 ORIGINAL

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

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
802634	01/05/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ALZ 1		GOVE		KS	L.D. DRILLING	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
BERLIN		L.D. DRILLING		CEMENT PRODUCTION CASING		01/05/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
89450	DAVIDSON			COMPANY TRUCK	88617	

L D DRILLING CO
ROUTE 1 BOX 183-B
GREAT BEND, KS 67530

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DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

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PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
509-968	SALT	500	LB	.063	31.50
500-207	BULK SERVICE CHARGE	656	CFT	.95	623.20 *
500-306	MILEAGE CMT'G MAT DEL OR RETURN	301.35	TMI	.70	210.95 *
INVOICE SUBTOTAL					12,188.90
DISCOUNT-(BID)					1,962.30-
INVOICE BID AMOUNT					10,226.60
*-KANSAS STATE SALES TAX					323.93
*-DECATUR COUNTY SALES TAX					76.21
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$10,626.74

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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 ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT

JOB LOG

ORIGINAL

WELL NO. #1 LEASE Walz 15-063-21306-00-00 TICKET NO. 802634-8

CUSTOMER L.D. Drilling Company PAGE NO. #1 of 2

JOB TYPE 4 1/2" 2-Stage Long String DATE 1-5-90

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							Called out - Job ready @ 1100hrs.
	1035							On Loc - Rig break Kelly - Start laying down DP
	1304							DP out of hole - Rig up to run Csg.
	1345							Start 4 1/2" Csg. - Run float Equip - Insert
								float shoe - Bufile - Cent on 1" - 4" - 7"
								9" - 12" 52" + 54" Jts. Cement.
								Baskets on 7" - 10" + 5ft down on 53"
								DV TOOL ON Top of 53" JT.
	1540							Csg. down to 4630 - Hook up
	1557							Rig Start Circ - St. mix Super flush + Salt flush
	1621							Hook up to pump truck
	1626	4.0	12.0				250	Start 500 gal. 10% Salt flush (500" salt)
	1629	4.0	3.0				250	Start 3 bbl. Fresh water
	1630	4.0	12.0				250	Start 500 gal. Super. flush
	1632	5.0	3.0				200	Start 3 bbl. Fresh water
	1633	5.0	5.2				250	Start mixing 25 SKS. Std. - No Add.
	1635	5.0	58.3				200	Start mixing 250 SKS. 50/50/0z. 2% GEL
								18% Salt - .5% Hald - 322
	1648	5.0					150	Finish mixing Cement
								Release 4 1/2" Shut off plug - wash
								up Pump & lines
	1650	5.0					50	Start disp (36.0 water - 37.2 mud)
		5.0					300	50 bbl. disp. pumped - Press. Increasing
	1704						1500	Plug down - Final Circ. Press = 800"
	1706							Release Press. - Insert Holding
	1709							Drop DV opening bomb - Load Top Closing Plug
	1731						1650	Open DV TOOL - Hook up - Rig Circulate
	2010							Bm on loc.
	2033							Hook up to pump truck
	2056	5.0	5.0				300	Start 5 bbl. water
	2057	7.0	225.6				300	Start mixing 350 SKS. HDL
	2126	7.0					175	Finish mixing Cement
								Release 4 1/2" Closing plug
	2128	6.0	40.0				50	Start disp

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KANSAS

Continued on Page # 2
Thank you

CUSTOMER

CUSTOMER *L.D. Halliburton Company*
LEASE *WALZ*
WELL NO. *71*
JOB TYPE *4 1/2" 2-Stage*
DATE *1-5-90*

WELL DATA

FIELD *g Campus, KS* SEC. *10* TWP. *11* RNG. *31W* COUNTY *Gove* STATE *KS*

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>U</i>	<i>10.5</i>	<i>4 1/2"</i>	<i>KR</i>	<i>4630</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 *DVT-TOOL* SET AT *2519'*
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH *4630'*

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <i>Insert</i>	<i>4 1/2"</i>	<i>1 ea. Haico</i>
GUIDE SHOE		
CENTRALIZERS <i>S-4</i>	<i>4 1/2"</i>	<i>7 ea. Haico</i>
BOTTOM PLUG <i>Fas-Grip Comp</i>	<i>4 1/2"</i>	<i>1 ea. Haico</i>
TOP PLUG <i>DV Plug Set</i>	<i>4 1/2"</i>	<i>1 ea. Haico</i>
HEAD <i>Multi-Stage Cementer</i>	<i>4 1/2"</i>	<i>1 ea. Haico</i>
PACKER <i>Cement Basket</i>	<i>4 1/2"</i>	<i>3 ea. Haico</i>
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>1-5-90</i>	DATE <i>1-5-90</i>	DATE <i>1-5-90</i>	DATE <i>1-5-90</i>
TIME <i>0730</i>	TIME <i>1035</i>	TIME <i>1345</i>	TIME <i>2140</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>E. Reynolds</i>	<i>RMHT-400</i>	<i>Oberlin, KS</i>
<i>G. Bryant</i>	<i>BM</i>	<i>Oberlin, KS</i>
<i>M. James</i>	<i>3846</i>	<i>Oberlin, KS</i>
<i>T. Garrison</i>	<i>Supervisor</i>	<i>Oberlin, KS</i>
<i>T. Garrison</i>	<i>37016</i>	<i>Oberlin, KS</i>
<i>T. Alstrom</i>	<i>BM</i>	<i>Oberlin, KS</i>
<i>T. Alstrom</i>	<i>4718</i>	<i>Oberlin, KS</i>

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MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API
 DISPL. FLUID _____ DENSITY _____ LB/GAL-API
 PROP. TYPE _____ SIZE _____ LB
 PROP. TYPE _____ SIZE _____ LB
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN
 GELLING AGENT TYPE _____ GAL-LB _____ IN
 FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN
 BREAKER TYPE _____ GAL-LB _____ IN
 BLOCKING AGENT TYPE _____ GAL-LB _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER *500 Salt*
 OTHER *12 SRS Superflush 'K'*

CEMENT DATA

DEPARTMENT *CONCRETE*
 DESCRIPTION OF JOB *Cement 4 1/2" 2-Stage*
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE *X [Signature]*
 HALLIBURTON OPERATOR *[Signature]* COPIES REQUESTED _____

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>250</i>	<i>50/50</i>			<i>2b Gel-18 Salt - .5% Hald-322</i>	<i>1.31</i>	<i>14.52</i>
<i>1</i>	<i>25</i>	<i>Standard</i>			<i>NO Additives</i>	<i>1.18</i>	<i>15.6</i>
<i>2</i>	<i>350</i>	<i>HDL</i>				<i>3.62</i>	<i>10.7</i>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. TAIL _____ 15-MIN. _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET *34.52'* REASON *Shoe Joint*

SUMMARY

PRESLUSH: BBL-GAL. *12.0* TYPE *Salt flush - Superflu*
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. *73.2*
 CEMENT SLURRY: BBL-GAL. *58.3-5.2-225.6*
 TOTAL VOLUME: BBL-GAL. _____
 REMARKS *See Job Log & Chart*
Lost Returns on 2nd Stage
Thank you

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #1 Waiz		COUNTY Gove	STATE OK	CITY / OFFSHORE LOCATION FROM CONFIDENTIAL	DATE 1-5-70
CHARGE TO L.D. Drilling Company	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 Route 1 Box 183-B	CONTRACTOR L.D. Drilling Co.	1 LOCATION Ocharpa, Ks. 67327		CODE	
CITY, STATE, ZIP Great Bend, Ks. 67530	SHIPPED VIA 4718	FREIGHT CH. PPD <input type="checkbox"/> COLLECT <input checked="" type="checkbox"/>	2 LOCATION		CODE
WELL TYPE 01	WELL CATEGORY 03	WELL PERMIT NO. B-865547	3 LOCATION		CODE
TYPE AND PURPOSE OF JOB 035 Cement Seal Csg		ORDER NO. S. Lopus, Ks.	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. HALLIBURTON MAKES 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 (3577)	10	mi			1.20	12.00
007-013	CGI-016	/		Pump Charge	4630	FT	8	hrs		1122.00
007-161		/		Pump Charge (3rd stage)	Second Stage		8	hrs	86.25	81.50
018-317		/		Super Flush	12	hrs			74.00	888.00
26	847.6316	/		Insert Valve Flout Spwe	1	ea	4 1/2	in	21.00	21.00
27	815.1911	/		Fill-up Unit	1	ea	1	in	27.50	27.50
40	807.93004	/		S-4 Centralizer	7	ea	4 1/2	in	42.00	294.00
66	807.64021	/		Fas Grip Clamp	1	ea	4 1/2	in	9.00	9.00
320	805.8381	/		Cement Basket	3	ea	4 1/2	in	85.00	255.00
71		/		Multiple Stage Cementer	1	ea	4 1/2	in	2350.00	2350.00
75		/		4 1/2" Free Fall Plug Set	1	ea			330.00	330.00

NOT

RECEIVED
STATE OF OKLAHOMA COMMISSION
2-21-1990

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-865547

5816.80

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

[Signature]
CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

ORIGINAL

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

15-063-21306-00-00

RELEASED

FORM 1908 R-7

A Division of Halliburton Company

AUG 2 1991 ATTACH TO INVOICE & TICKET NO. 802634-9

DISTRICT Hays, KS.

8-21-1991 DATE 1-5-90
FROM CONFIDENTIAL

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

WELL NO. # 1 LEASE Walz SEC. 10 TWP. 11 RANGE 31

FIELD Campus, KS COUNTY Gove STATE KS OWNED BY L.D. Drilling Co

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE DN Tool SET AT 2519
TOTAL DEPTH 4630 MUD WEIGHT _____
BORE HOLE 7 7/8"
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	<u>4</u>	<u>10.5</u>	<u>4 1/2"</u>	<u>KB</u>	<u>4630</u>	
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 4 1/2" 2-Stage - 1st Stage w/ 500 gal Seal Flush - 500 gal Super Flush - 250 SKS 50/50 2% GEL - 15% Silt - 5% Hyd 322 + 25 SKS S.D.
2nd Stage w/ 350 SKS HDL
AS directed

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

- THIS CONTRACT MUST BE SIGNED BY THE WELL OWNER OR AGENT
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 15th of the following month after the date of the invoice. 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 rate of annual cost of funds then applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of such account, Customer agrees to pay all such charges and attorney's fees of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer) including, but not limited to, well and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, log recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's obligations hereby are limited to the cost 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, or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools, or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

STATE OF KANSAS
FEB 21 1990
REGISTRATION DIVISION
Topeka, Kansas

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

SIGNED _____ CUSTOMER
DATE 1-5-90
TIME 1100 A.M./P.M.

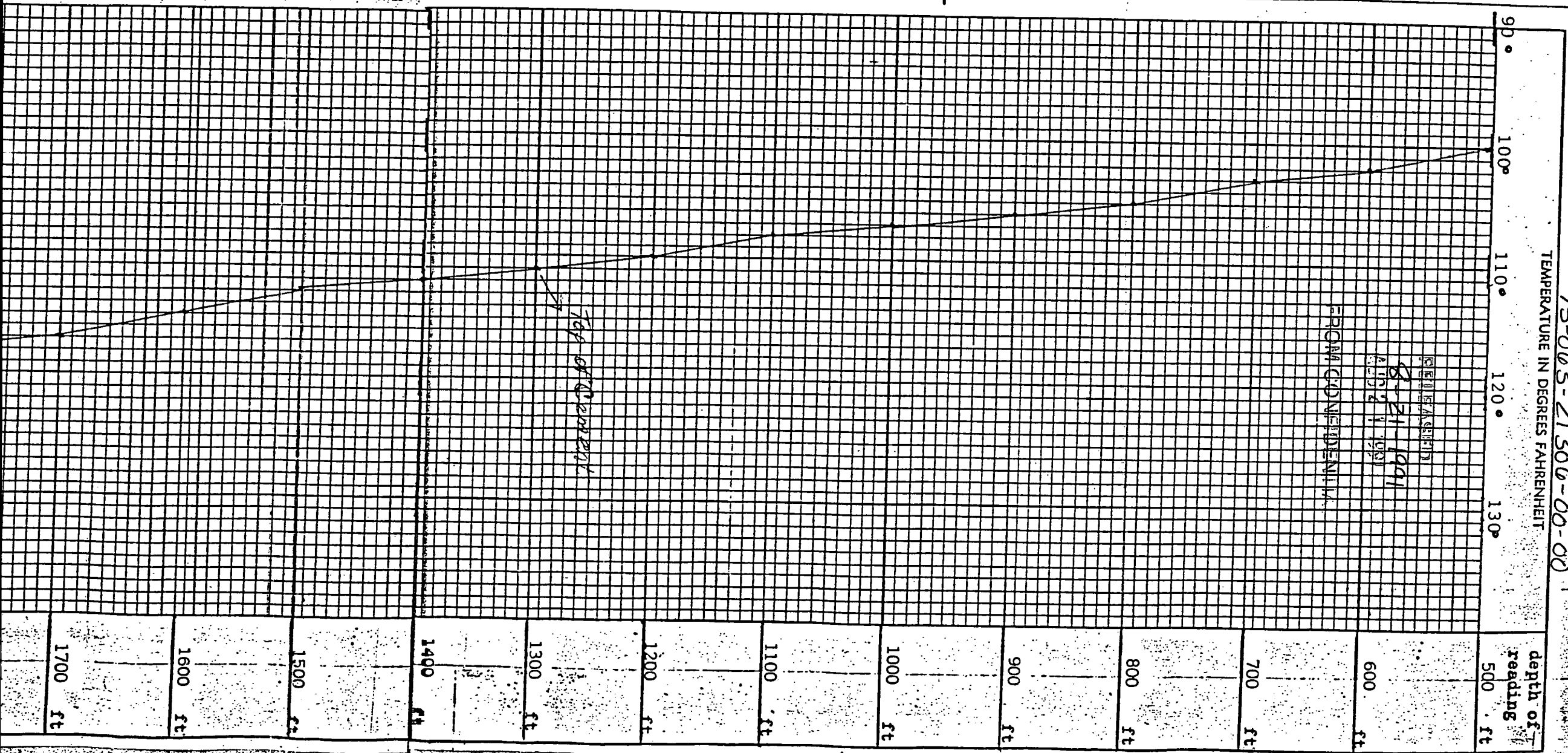
We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

RECEIVED
 STATE CONSERVATION DIVISION
 JUL 9 2 1990
 7-12-1990
 CONSERVATION DIVISION
 WICHITA, KANSAS

COMPANY L. D. Davis
 WELL NO. Walz #1
 POOL _____
 STATE Kansas COUNTY Gove
 DATE OF CEMENTING 1-5-90 TIME _____
 DATE OF SURVEY 1-7-90 TIME _____
 AMOUNT OF CEMENT _____ TYPE _____
 AMOUNT OF ADMIX _____ TYPE _____
 LOG MEASURED FROM _____
 MILLING MEASURED FROM _____

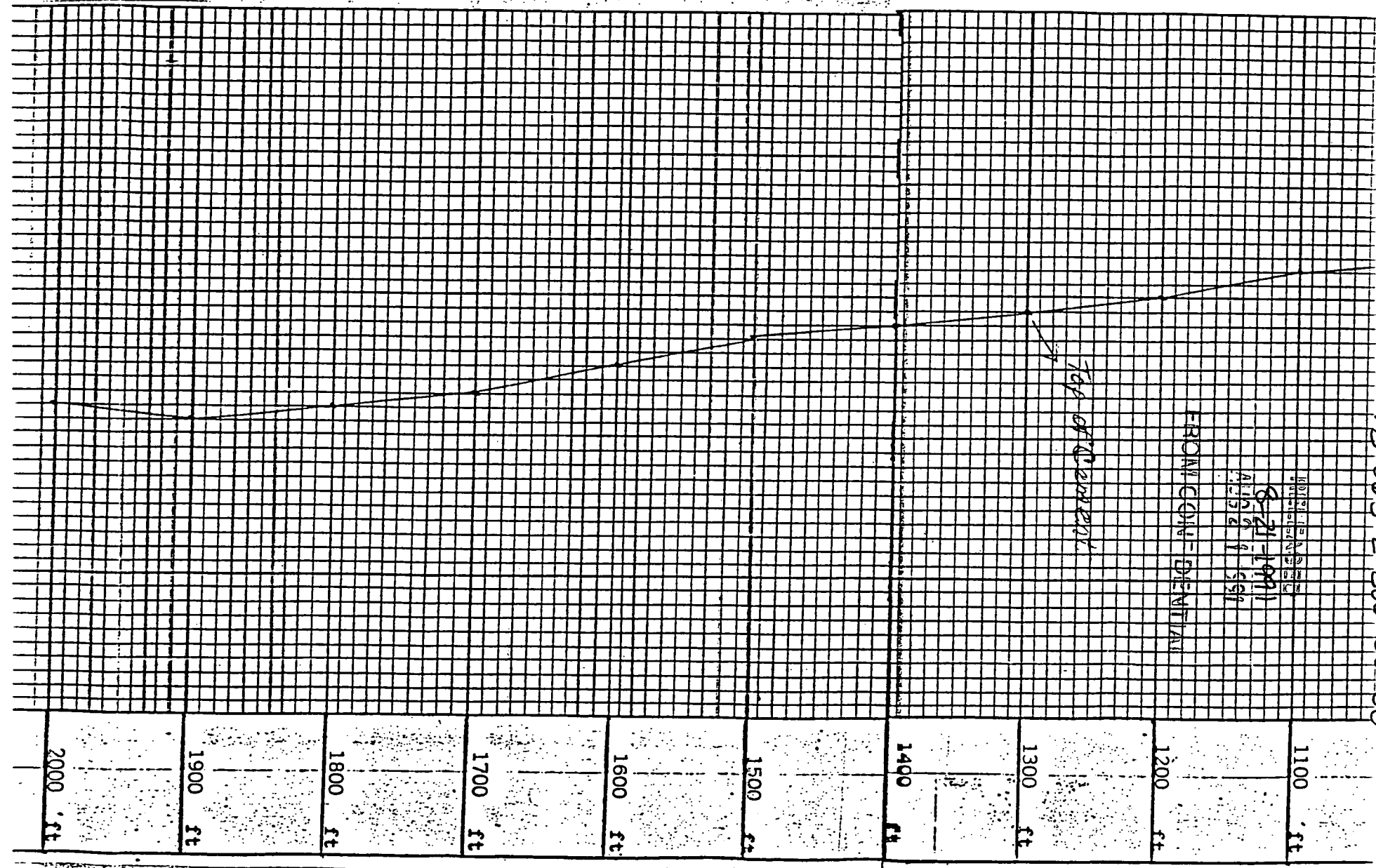
CASING SIZE 4 1/2 FROM _____ TO _____ CASING DEPTH _____
 DIAM. OF HOLE _____ FROM _____ TO _____ DEPTH _____
 SURVEY BEGINS AT 500 FEET. ENDS AT 2000
 APPROX. CALCULATED FILL-UP OF _____ FT. BASED ON PERFECT HOLE AND ON AN AVER-
 _____ CU. FT. PER SACK OF SET CEMENT
 APPROX. TOP CEMENT _____ FEET. MAX. TEMP _____
 RECORDED BY Eldon Reynolds WITNESSED Terry Garrison
 REMARKS OR OTHER DATA _____



EVERETT LIKRE SURVEY
 15-063-21306-00-00
 RECEIVED
 AUG 21 1991
 STATE CONSERVATION DIVISION

COMPANY L. D. Davis
 WELL NO. Walz #1
 POOL _____
 STATE Kansas COUNTY Gove
 DATE OF CEMENTING 1-5-90 TIME _____
 DATE OF SURVEY 1-7-90 TIME _____
 AMOUNT OF CEMENT _____ TYPE _____
 AMOUNT OF ADMIX _____ TYPE _____
 LOG MEASURED FROM _____
 DRILLING MEASURED FROM _____

RECEIVED
 STATE GEOLOGICAL SURVEY
 7-12-1990
 JUN 12 1990
 CONSERVATION DIVISION
 WICHITA, KANSAS

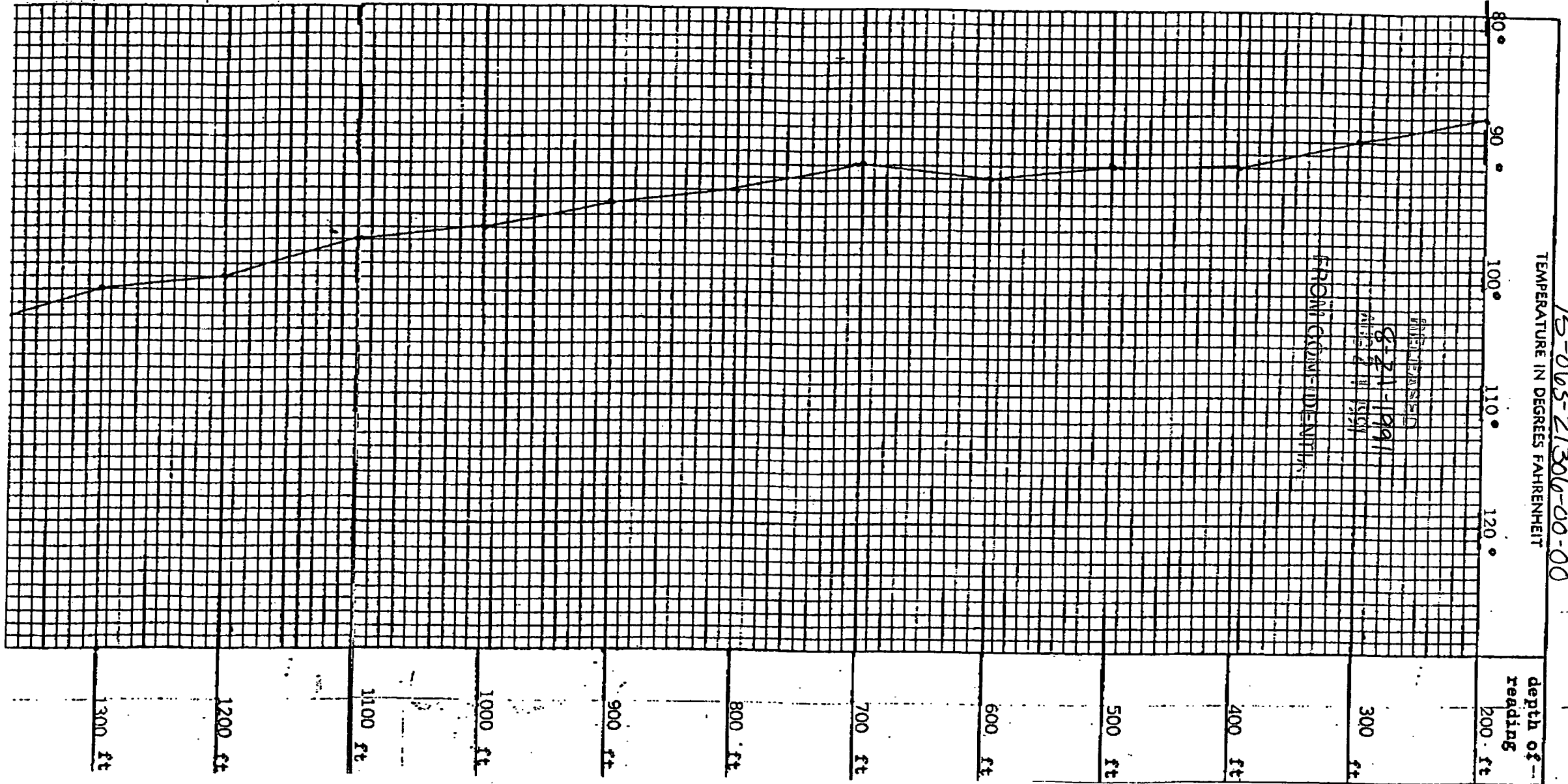


15-063-21306-00-00

CONSERVATION DIVISION
 Wichita, Kansas
 JUL 12 1990
 0661-2-707
 RECEIVED
 STATE OF KANSAS COMMISSION

COMPANY L.D. Davis
 WELL NO. Walz #1
 POOL _____
 STATE Kansas COUNTY Gove
 DATE OF CEMENTING _____ TIME _____
 DATE OF SURVEY 1-9-90 TIME _____
 AMOUNT OF CEMENT _____ TYPE _____
 AMOUNT OF ADMIX _____ TYPE _____
 LOG MEASURED FROM _____
 DRILLING MEASURED FROM _____

CASING SIZE 4 1/2" FROM _____ TO _____
 CASING DEPTH _____
 DIAM. OF HOLE _____
 DEPTH _____
 SURVEY BEGINS AT 200 FEET. ENDS AT 1500 FEET.
 APPROX. CALCULATED FILL-UP OF _____ FT. BASED ON PERFECT HOLE AND ON AN AVERAGE C
 _____ CU. FT. PER SACK OF SET CEMENT
 APPROX. TOP CEMENT _____ FEET. MAX. TEMP _____ FEET
 RECORDED BY _____ WITNESSED _____
 REMARKS OR OTHER DATA _____



TEMPERATURE SURVEY

TEMPERATURE IN DEGREES FAHRENHEIT

15-063-21306-00-00

WITNESSED
 8-21-1991
 DATE & TIME
 FRONT COMPANY IDENTIFICATION

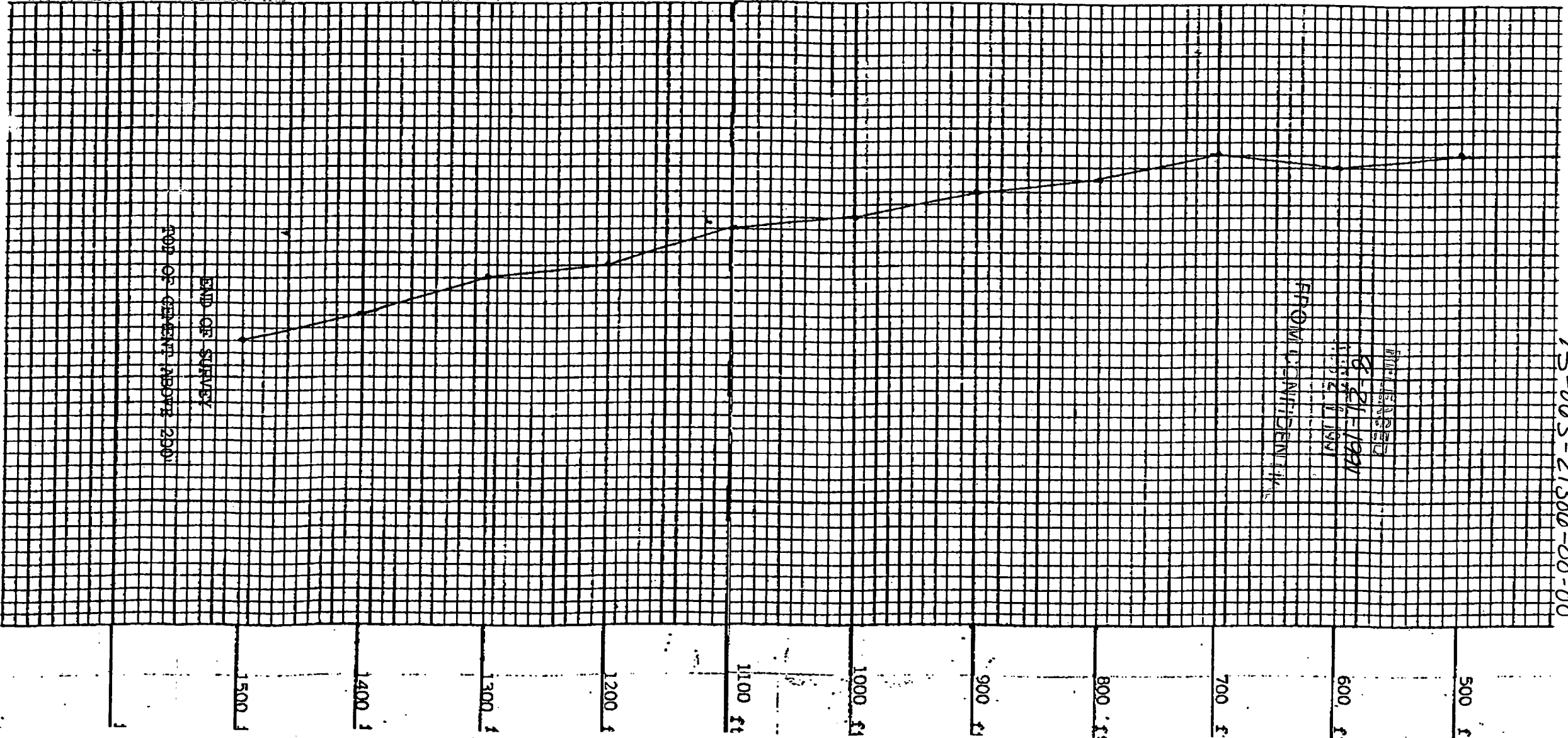
CONSERVATION DIVISION
Wichita, Kansas

JUL 2 1990
7-21-90

WICHITA COUNTY CONSERVATION DIVISION
Wichita, Kansas

COMPANY L.D. Davis
WELL NO. Walz #1
POOL _____
STATE Kansas COUNTY Gove
DATE OF CEMENTING _____ TIME _____
DATE OF SURVEY 1-9-90 TIME _____
AMOUNT OF CEMENT _____ TYPE _____
AMOUNT OF ADMIX _____ TYPE _____
LOG MEASURED FROM _____
DRILLING MEASURED FROM _____

CASING SIZE 4 1/2" FROM _____ TO _____
SURVEY BEGINS AT 200
APPROX. CALCULATED FILL-UP OF _____ CU. FT. PER _____
APPROX. TOP CEMENT _____
RECORDED BY _____
REM. _____



15-063-21300-00-00