

SIDE ONE

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

Operator: License # 6039

Name: L. D. Drilling, Inc.

Address R.R. 1 Box 183 B

City/State/Zip Great Bend, KS 67530

Purchaser: Clear Creek, Inc.

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: VAL Energy, Inc.

License: 5822

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 OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

3-8-91 3-12-91 3-19-91

Spud Date Date Reached TD Completion Date

API NO. 15- 009-24465-0600

County Barton

CE2 W2 E2 Sec. 12 Twp. 20 Rge. 12 East West

2640 Ft. North from Southeast Corner of Section

1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

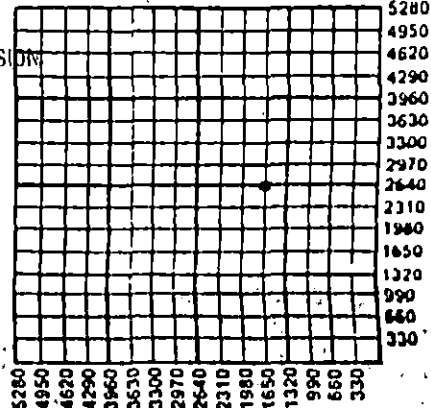
Lease Name Schartz Well # 3

Field Name Chase Silica

Producing Formation Arbuckle

Elevation: Ground 1786' KB 1791'

Total Depth 3344' PBTD _____



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CONSERVATION DIVISION
Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 331 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ 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 L. D. Davis

Title President Date 5-24-91

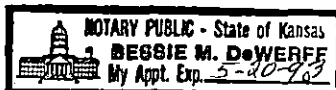
Subscribed and sworn to before me this 24th day of May, 19 91.

Notary Public Bessie M. DeWerff

Bessie M. DeWerff

Date Commission Expires 5-20-93

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)



SIDE TWO

Operator Name: L. D. Drilling, Inc. Lease Name: Schartz Well # 3
 County: Barton
 Sec. 12 Twp. 20S Rge. 12
 East 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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.) *by phone*
 DST #1 3320-3344
 Times: 45-45-45-45
 Blow: 1st open: off bb in 35 min.
 2nd open: off bb in 37 min.
 Recovery: 120' gip - 180' cgo -60' gmswco
 IFP: 32-60 FFP: 80-84
 ISIP: 987 FSIP: 968

Name	Formation Description	
	Top	Bottom
Anhy.	568	579
Heeb.	2956	(-1166)
Toronto	2976	(-1185)
Douglas	2989	(-1198)
B. Lime	3082	(-1291)
Lans. K/C	3100	(-1309)
B. K/C	3313	(-1522)
Arbuckle	3337	(-1546)

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	28	331	60-40 Poz	215	2% Cel, 3% CC
production	7 7/8	5 1/2"	15.5	3339'	60/40 Poz	125	2% Cel, 18% salt 5#/sk gilsonite

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated	Amount and Kind of Material Used	Depth
		300 gallons 28% FE	arbuckle open hole

TUBING RECORD Size 2 7/8" Set At 3341' Packer At _____ Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

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

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: open hole arbuckle

Phone 913-483-2627, Russell, Kansas.

Phone 316-793-5861, Great Bend, Kansas

15.009.24465.0000

Phone 913-798-3843

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 1680

ORIGINAL

New

Date	3-8-91	Sec.	7	Twp.	20	Range	11	Called Out	←	On Location	3:30 PM	Job Start	4:30 PM	Finish	5:30 PM
Lease	Schwarz Koch	Well No.	11#3			Location	Ellinwood St. Harts Corner Rd			County	Barton	State	KS		
Contractor	Val Energies											Owner	125 W.S. SAME		
Type Job	Surface casing														
Hole Size	12 1/4		T.D.	332											
Csg.	8 5/8		Depth	331											
Tbg. Size															
Drill Pipe															
Tool															
Cement Left in Csg.	15'		Shoe Joint												
Press Max.															
Meas Line	Displace 14.92 @ 15'														
Perf.															

To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To: L.P. Drilling Inc
Street: RR 1 Box 183 B
City: Great Bend State KS 67530

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No:
X Dale Smith

CEMENT

Amount Ordered: 215 sks 40/40 2% gel 3% cc

Consisting of			
Common	129	5.25	677.25
Poz. Mix	86	2.25	193.50
Gel.	4	6.75	N/C
Chloride	6	21.00	126.00
Quickset			

Handling 215 1.00 215.00

Mileage 12 103.20

Sub Total
Total 1314.95

Floating Equipment
Total \$ 1760.95

Disc - 352.19

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EQUIPMENT

OT. Bend No.	Cementor	Phil
Pumptrk 195	Helper	Yancy
No.	Cementor	
Pumptrk	Helper	
Bulktrk 68	Driver	Jack S.
Bulktrk	Driver	

DEPTH of Job		
Reference	Description	Amount
	Pump Trk Eng	380.00
12	Pump Trk mlg	24.00
1	8 5/8 Plug	42.00
	Sub Total	
	Tax	
	Total	446.00

Remarks: Cemente disp Circulate

Thank You!
Allied Cementing Co. Inc.
By Philip Finnegan

CO. H.

CONSERVATION DIVISION
Wichita, Kansas



15.009.24465.0000

TICKET

ORIGINAL NO. 125452-8

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #3 SCHARTZ		COUNTY BARTON	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 3-13-91
CHARGE TO L.P. DRILLING INC.		OWNER SHARIE	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 UNE ENERGY	LOCATION 1 1/4 BEANS, KS.		CODE 25520
CITY, STATE, ZIP		SHIPPED VIA 51936	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2	CODE
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-917940	DELIVERED TO WELL 5276	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 035		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	12	miles			2.33	28	20
000-118		1		MILEAGE SURCHG.	12	miles			.40	4	80
001-016		1		PUMP CHARGE	3339	SET. A.			1095.00	1095	00
12A	825.205	1		GUIDE SHOE	1	EA.	5 1/2"		105.00	105	00
24A	815.19251	1		INSERT FRONT UNLUE	1	EA.	5 1/2"		83.00	83	00
27	815.19311	1		FILL-UP UNIT	1	EA.	5 1/2"		30.00	30	00
40	809.93022	1		S-4 CENTRIFUGER	3	EA.	5 1/2"		44.00	132	00

THIS IS NOT AN INVOICE

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CONCENTRATION DIVISION
Wichita, Kansas
JUN 05 1991

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 917940

1521 57

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X L.D. DAVE
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.

M. BRYAN - 50848
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.



HALLIBURTON SERVICES

A Division of Halliburton Company

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

ORIGINAL

FOR INVOICE AND TICKET NO. 125952

15.009.24465.0000

DATE 3-13-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Schartz #3	COUNTY Barton	STATE Ks.
CHARGE TO L. D. Drilling Incorporated		OWNER L. D. Drilg. Inc.	CONTRACTOR Val Energy	No. B 917940
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY S.C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 3046-6608	RECEIVED BY M.R. Polyard

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				125 40%Pozmix/60%Cement							
504-308	516.00261	1	B	standard Cement	75	sk			5.35	401.25	
506-105	516.00286	1	B	Pozmix A	50	sk			2.79	139.50	
506-121	516.00259	1	B	2 Halliburton Gel 2% allowed						NC	
509-968	516.00315	1	B	salt Blended 18%w/125	1100	lb.			.10	110.00	
509-968	516.00158	1	B	Salt not mixed	400	lb.			.10	40.00	
508-292	70.15573	1	B	Gilsonite Blended 5%w/125	250	lb.			.47	117.50	
507-775	516.00144	1	B	Halad-322 Blended .75%w/125	81	lb.			5.95	481.95	
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500-307		1	B	Surcharge	76.78				.10	7.68	
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		1	B	SERVICE CHARGE			CU. FEET 151		1.10	166.10	
500-306		1	B	Mileage Charge	12796 TOTAL WEIGHT	12 LOADED MILES	76.78 TON MILES		.75	57.59	
No. B 917940		CARRY FORWARD TO INVOICE							SUB-TOTAL		1521.57

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

ORIGINAL
15.069.24465.0000
ATTACH TO INVOICE & TICKET NO. 125452

DISTRICT GREAT BEND DATE 3-13-91

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. DRUG INC. (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 3 LEASE SCHARTZ SEC. 12 TWP. 20S RANGE 12W
FIELD _____ COUNTY BARTON STATE KS OWNED BY SAMIC

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							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
CASING			<u>10.5</u>	<u>5 1/2</u>		<u>3341</u>	<u>6000 PSI</u>
LINER							
TUBING							
OPEN HOLE						<u>3344</u>	<u>SHOTS/FT.</u>
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
INIT PROD. USC. 8 3/8" SUCC. 561 325'
5 1/2" 561 @ 3339

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.

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JUN 5 1991
CONSERVATION DIVISION

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 material. 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 3-13-91
TIME 10:00 A.M. P.M.

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

CUSTOMER



JOB SUMMARY

DIVISION ORLY. CITY
 HALLIBURTON LOCATION OLENT 3000

ORIGINAL
 15.009.24465.0000
 BILLED ON TICKET NO. 125452

CUSTOMER
 LEASE
 WELL NO.
 JOB TYPE
 DATE

WELL DATA

FIELD _____ SEC. 12 TWP. 20S RNG. 12W COUNTY BARTON STATE KS.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>10.5</u>	<u>5 1/2</u>		<u>3341</u>	<u>FORM 150</u>
LINER						
TUBING						
OPEN HOLE					<u>3344</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-13</u>	DATE <u>3-13</u>	DATE <u>3-13</u>	DATE <u>3-13</u>
TIME <u>0300</u>	TIME <u>0800</u>	TIME <u>1157</u>	TIME <u>1400</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>1 1/2 SET FLOAT</u>	<u>1</u>	<u>Home</u>
FLOAT SHOE <u>AUTO FALL-UP</u>	<u>1</u>	"
GUIDE SHOE	<u>1</u>	"
CENTRALIZERS	<u>3</u>	"
BOTTOM PLUG		
TOP PLUG	<u>1</u>	"
HEAD <u>P.C.</u>	<u>1</u>	"
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>M. Beljard 50848</u>	<u>51936</u>	<u>61-30</u>
<u>K. GOLDBY 48000</u>		
<u>J. SNEETS 07184</u>	<u>Back 3046</u>	"

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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT ORLY.

DESCRIPTION OF JOB WELL PROD. 150

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X A. L. Lewis

HALLIBURTON OPERATOR M. R. Beljard COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>125</u>	<u>10 7/8</u>	<u>10 STANDARD</u>	<u>2% CEL.</u>	<u>1% SALT 70% HLRAD 322</u>	<u>1.32</u>	<u>14.07</u>
					<u>LAST 50 SCS 5% CELSONITE</u>	<u>1.29</u>	<u>14.88</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. 20 TYPE SALT

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 79.28

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 29.12

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 10.10 REASON 1 1/2 SET 150 SET @ 3341'

RECEIVED
 STATE CORPORATION COMMISSION

JUN 05 1991

HALLIBURTON SERVICES
JOB LOG

15.009.24465.0000

WELL NO. 3 LEASE SCHARTZ TICKET NO. 125452
 CUSTOMER L.D. DRUG INC. PAGE NO. 1 ORIGINAL
 JOB TYPE CMT. DATE 5-13-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							CALLED OUT
	0800							ON LOCATION SET UP TRK'S (RIG STILL LAYING DOWN D.P.)
								BREAK CIRC.
	1157	7	20				300	RUN SHUT PREFLUSH
	1203							PLUG RATHOLE
	1207	7	0				400 ^{AVG.}	MIX CMT.
	1212		29.12					STOP MIX FLUSH LINES
	1219	8.4	0				100 ^{AVG.}	RELEASE PLUG SHUT DRS?
	1224		79.28				1050	PLUG DOWN
	1225							RELEASE & HOLD
								WASH UP TRK.
	1400							RACK UP JOB COMP.

THANK YOU
M. BOYARI
K. HORDNEY
S. SHEETS

RECEIVED
STATE CORPORATION COMMISSION

JUN 05 1991

CUSTOMER

CONSERVATION DIVISION

JUN 05 1951
NO. 5101
COMMISSION
FORMED

KIND OF JOB

ENT. PROD. CSG.

COMPANY S. D. DELG. INC.

TICKET NUMBER 729-452

HR. FIELD

HR. WELL NO.

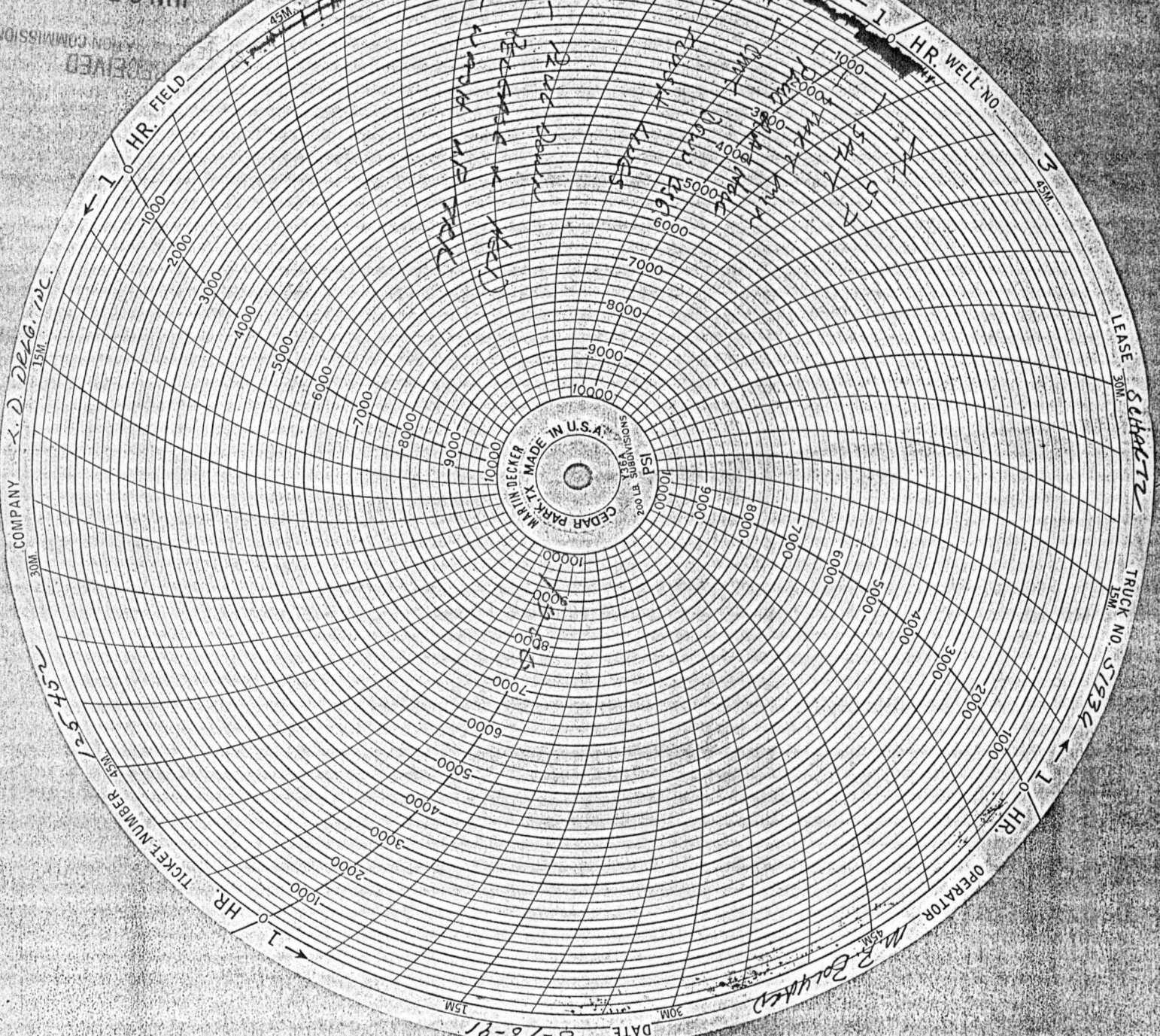
LEASE SCHULTZ

TRUCK NO. 51934

OPERATOR M. P. BOLLYARD

DATE 3-18-81

MADE IN U.S.A.
M. J. DECKER
CEDAR PARK, TEXAS
200 LB. 50 PSI



ORIGINAL
15.009.24465.0000

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE 2800-2900

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2800	55		
01	59	2	
	59	2	
	1101	2	
	04	3	
	06	2	CONN
	10/13	3	
	16	3	
	19	3	
	22	3	
10	25	3	
	21 1/2		
	28	1 1/2	
	30	2	
	32	2	
	35	3	
	37	2	
	40	3	
	43	3	
	45	2	
20	47	2	
	48 1/2		
	50	1 1/2	
	52	2	
	54	2	
	57	3	
	59	2	
	2:01	2	
	04	3	
	07	3	
30	10	3	
	12	2	
	15	3	Vis 39 W.T 8.9
	18	3	
	20	2	
	23	3	CONN
	27/29	2	
	32	3	
	34	2	
	37	3	
40	39	2	
	42	3	
	44	2	
	47	3	
	50	3	
	52	2	
	55	3	
	58	3	
	07	3	
	5	4	
50	8	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2850	6		
51	11	3	
	13	2	
	15	2	
	18	3	
	21	3	
	24	3	
	26	2	
	29	3	
	32	3	
60	36	4	
	39	3	
	42	3	
	46	4	
	49	3	
	53	4	
	55	2	
	57	2	CONN
	10/12	2	
	15	3	
70	18	3	
	21	3	
	24	3	
	25 1/2	1 1/2	
	26 1/2	1	
	28	1 1/2	
	29	1	
	31	2	
	35	4	
	37	2	
80	39	2	
	41	2	
	43	2	
	45	2	
	47	2	
	49	2	
	51	2	
	54	3	
	56	2	
	500	4	
90	03	3	
	5	2	
	9	4	
	12	3	
	15	3	
	16	3	
	21	3	
	25	4	
	28	3	CONN
	32/35	3	
2900	38	3	

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 05 1991
 CONSERVATION DIVISION
 Wichita, Kansas

15.009.24465.0000

ORIGINAL

COMPANY _____ FARM _____ WELL NO. 3
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY _____ STATE _____
 CONTRACTOR Vul SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 REMARKS: 3 5905 SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE 2900-3000

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2900 01	38 41	3	
	44	3	
	46	2	
	49	3	
	52	3	
	54	2	
	58	4	
	01	3	
	2	1	
10	4	2	
	7	3	
	11	4	
	14	3	
	16	2	
	19	3	
	21	2	
	23	2	
	26	3	
	28	2	
20	32	4	
	35	3	
	39	4	
	42	3	
	46	4	
	50	4	
	53	3	
	57	4	
	700	3	
	04	4	CONN
30	11 14	3	
	17	3	
	21	4	
	24	3	
	27	3	
	30	3	
	33	3	
	36	3	
	38	2	
	40	2	
40	43	3	
	45	2	
	48	3	
	51	3	
	54	3	
	57	3	
	800	3	
	2	2	
	4	2	
	7	3	
50	9	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2950 51	1 11	2	
	14	3	
	17	3	
	20	3	
	23	3	
	26	3	
	29	3	
	31	2	
	32	1	
60	33	1	CONN
	39 41	2	
	45	4	
	49	4	VIS 39 W.T 9.1
	53	4	P.H 11.5 W.L 9.2
	55	2	C.H 8,000
	56	1	
	58	2	
	01	3	
	4	3	
70	7	3	
	9	2	
	12	3	
	14	2	
	17	3	
	20	3	
	22	2	
	25	3	
	29	4	
	31	2	
80	33	2	
	36	3	
	39	3	
	41	2	
	44	3	
	48	4	
	51	3	
	53	2	
	56	3	
	58	2	
90	1000	2	
	02	2	
	4	2	
	8 10	2	
	11	1	
	13	2	
	15	2	
	17	2	
	19	2	
	21	2	
3000	23	2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE 3000-3100

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3000	23		
01	25	2	
	28	3	
	30	2	
	32	2	
	35	3	
	36	1	
	38	2	
	40	2	
	42	2	
10	44	2	
	45	1	
	47	2	
	49	2	
	51	2	
	53	2	
	55	2	
	57	2	
	59	2	
	11:02	3	
20	4	2	
	6	2	
	8	2	
	10	2	
	11	1	CONN
	23/25	2	
	26	1	
	28	2	
	30	2	
	31	1	
30	33	2	
	34	1	
	36	2	
	38	2	
	39	1	
	41	2	
	42	1	
	44	2	
	46	2	
	47	1	
40	49	2	
	50	1	
	52	2	
	53	1	
	55	2	
	57	2	
	58	1	
	12:00	2	
	2	2	
	3	1	
50	5	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3050	12:05		
51	7	2	
	8	1	
	10	2	conn
	15/16	1	
	18	2	
	20	2	
	21	1	
	23	2	
	24	2	
60	26	2	
	27	1	
	29	2	
	30	1	
	32	2	
	34	2	
	35	1	
	37	2	
	38	1	
	40	2	
70	41	1	
	42	1	
	44	2	
	46	2	
	47	1	
	49	2	
	50	1	
	51	1	
	53	2	
	54	1	
80	56	2	
	57	1	
	1:00	3	
	4	4	
	7	3	
	11	4	conn
	10/19	3	
	23	4	
	26	3	
	29	3	
90	37	3	
	34	2	
	36	2	
	39	3	
	42	3	
	45	3	
	48	3	
	50	2	
	52	2	
	54	2	
3100	57	3	Add Premix Jet Hole

COMPANY LD Drilling FARM Schertz WELL NO. 3
 SEC. TWP. RGE. LOC. COUNTY Barton STATE Mo
 CONTRACTOR Val SIZE HOLE DRILL PIPE
 REMARKS: SIZE PUMP LINERS LENGTH STROKE

3100-3200

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	1:57	3	
01	2:00	3	
	03	3	
	5	2	
	7	2	
	10	3	
	12	2	
	14	2	
	17	3	
	20	3	
10	23	3	
	26	3	
	29	3	
	33	4	
	37	4	
	40	3	
	43	3	Conn Jet add premix
53	56	3	
	59	3	
	3:02	3	
20	5	3	
	8	3	
	10	2	
	11	1	
	12	1	
	14	2	
	17	3	
	20	3	
	23	3	
	26	3	
30	29	3	
	32	3	
	35	3	
	39	4	
	42	3	
	46	4	
	49	3	
	52	3	
	56	4	
	59	3	
40	4:02	3	
	5	3	
	7	2	
	10	3	
	13	3	
	15	2	
	17	2	
	20	3	Conn
	25	2	
	27	2	
	31	4	
50	34	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	3:37	3	Vis 42
51	41	4	wt 8.9
	45	4	wl 8.8
	48	3	Ph 11.5
	52	4	ch 11,000
	55	3	
	59	4	
	5:02	3	
	4	2	
60	7	3	
	11	4	
	14	3	
	18	4	
	22	4	
	25	3	
	28	3	
	30	2	
	34	4	
	38	4	
70	42	4	
	44	2	
	47	3	
	50	3	
	53	3	
	56	3	
	58	2	
	6:01	3	
	4	3	Conn
	9:12	3	
80	14	4	
	19	3	
	23	4	
	26	3	
	30	4	
	34	4	
	36	2	
	39	3	
	42	3	
	45	3	
90	47	2	
	49	2	
	51 ^{1/2}	2 ^{1/2}	
	54	2 ^{1/2}	
	56 ^{1/2}	2 ^{1/2}	
	58	1 ^{1/2}	
	7:01	3	
	04	3	
	07	3	
	10	3	
3200	14	4	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE 3200-3300

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	14		
01	17	3	
	20	3	
	24	4	
	27	3	
	31	4	
	34	3	
	38	4	
	42	4	
	45	3	conn
10	55/59	4	
	8:03	4	CHART
	07	4	
	12	5	
	16	4	
	20	4	
	24	4	
	27	3	
	31	4	
	34	3	
20	38	4	
	42	4	
	46	4	
	49 ^s	3 1/2	
	53	3 1/2	
	56	3	
	9:00	4	
	04	4	
	07	3	
	10	3	
30	15	5	
	18	3	
	21 ^s	3 1/2	
	24	2 1/2	
	27	3	
	30	3	
	33	3	
	37	4	
	41	4	
	45	4	
40	48	3	conn
	55/58	3	
	10:01	3	
	05	4	
	09	4	
	13	4	
	17	4	
	21	4	
	25	4	
	28 ^s	3 1/2	
50	32	3 1/2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	32		
51	34	2	
	37	3	
	42	5	
	47	5	
	50	3	
	54	4	
	58	4	
	11:02	4	
	08	6	
60	13	5	
	16 ^s	3 1/2	
	20 ^s	4	
	25	4 1/2	
	29	4	
	33	4	
	37	4	
	42	5	
	45	3	
	50	5	
70	55	5	conn
	05/08	3	
	11	3	
	13	2	
	15	2	
	19	4	
	22	3	
	26	3	
	31	5	
	35	4	
80	39	4	
	43	4	
	47	4	
	51	4	
	55	4	
	59	4	
	1:03	4	
	06 ^s	3 1/2	
	10	3 1/2	
	13 ^s	3 1/2	
90	16 ^s	3	
	21	4 1/2	
	26	4	
	30	4	
	34	4	
	38	4	
	42	4	
	47	5	
	51	4	
	55	4	
3300	58	3	

