

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

API NO. 15- 185-22,788-0000

County Stafford

NW NW SW Sec. 19 Twp. 22S Rge. 12 East West

2310 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

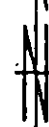
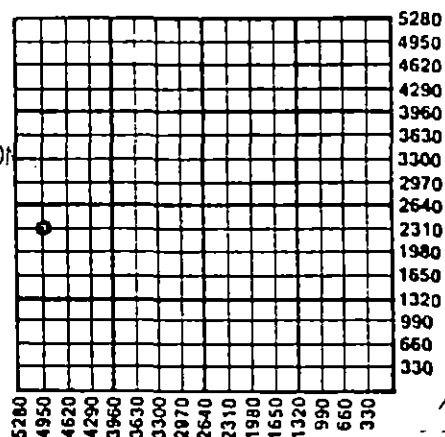
Lease Name CURTIS Well # 1

Field Name Drach

Producing Formation _____

Elevations: Ground 1874 KB 1879

Total Depth 3759' PBTD _____



AIT

Amount of Surface Pipe Set and Cemented at 332' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Operator: License # 6039

Name: L. D. Drilling, Inc.

Address RR 1 Box 183 B

City/State/Zip Great Bend, Kansas 67530

Purchaser: _____

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 ~~CMO~~ old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

7-27-91 8-03-91 8-09-91

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 L. D. Davis L. D. Davis

Title President Date 8-19-91

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

Notary Public Bessie M. DeWerff
Bessie M DeWerff

Date Commission Expires 5-20-93

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

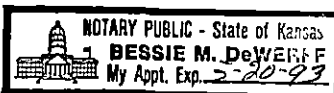
C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)



SIDE TWO

Operator Name L. D. Drilling, Inc. Lease Name CURTIS Well # 1

Sec. 19 Twp. 22S Rge. 12
 East
 West
 County Stafford

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.)
 DST #1: 3384-3435 35-50-70' Zone
 TIMES: 30 tool slid 20' to bottom, bled off
 got 1" blow back that died
 REC: 80' Drilling Mud (test was conclusive)
 IFP: 62-76
 Con't on next page

Formation Description				
Name	Top	Bottom	LOG TOPS	
Anhy	677-704	(+1202)	702	(-1177)
Heeb.	3204	(-1325)	3204	(-1325)
Tor.	3223	(-1344)	3233	(-1354)
Doug.	3241	(-1362)	3240	(-1361)
Brm Lm.	3343	(-1464)	3343	(-1464)
LKC	3357	(-1478)	3358	(-1479)
B K/C	3578	(-1699)	3578	(-1699)
Viola	3641	(-1762)	3642	(-1763)
Sim. Sh	3693	(-1817)	3698	(-1819)
Sim. SD	3722	(-1843)	3722	(-1843)

CASING RECORD Arb. New Used
 Report all strings set-conductor, surface, intermediate, production, etc. Log TD 3760' (-1882)
 3754 (-1875) 3753 (-1874)
 RTD 3759' (-1881)

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 1/8"	8 5/8"	28	332'	40/60 Poz	200	2% gel, 3% cc
Production	7 7/8"	4 1/2"	14	3756'	40/60 Poz	150	75% Hal, 18% salt, 5% Gils

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2 SPF	3723'-3729'	750 gal. 28% SGA Acid &	open hole
2 SPF	3550'-3555'	750 gal 15% SGA	Open hole
		1000 gal 28% NE.	

TUBING RECORD Size no-commercial oil Set At no-commercial oil Packer At no-commercial oil
 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

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 _____

ORIGINAL

ATTACHMENT TO ACO - 1

LEASE: CURTIS #1
 COUNTY: Stafford
 NW NW SW 19-22S-12W

OPERATOR: L. D. Drilling, Inc.
 OP # 6039

ADDRESS: RR 1 Box 183 B
 Great Bend, Kansas 67530

DST # 2: 3516-3560 160-180-200 zones
 TIMES: 20-20-20-20
 BLOW: 1st open: weak blow through-out
 2nd open: weak blow died in 20 min.
 REC: 30' oil specked mud
 IFP: 72-74 FFP: 80-81
 ISIP: 1021 FSIP: 980

DST #3: 3688-3735
 TIMES: 45-45-45-45
 BLOW: 1st open: 4" blow
 2nd open: 2" blow
 REC: 110' vsocm clock stopped
 re-test for final pressure.
 IFP: 24-46
 ISIP: 470

DST #4 3687-3735
 TIMES: 45-45-45-45
 BLOW: 1st open: fair slow bldg. to 2" flush tool-no help
 2nd open: very weak through-out
 IFP: 80-87 FFP: 90-90
 ISIP: 523 FSIP: 521
 REC: 110' VSOCM 20' gas on top of fluid

RECEIVED
 STATE REGISTRATION COMMISSION

AUG 20 1991

REGISTRATION DIVISION
 Topeka, Kansas



15-185-22788-0000
TICKET
ORIGINAL NO. 173022-3

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME L 20 2416		COUNTY STAFFORD	STATE KS	CITY / OFFSHORE LOCATION	DATE 12-1-91
CHARGE TO L 20 2416		OWNER S.M.E.	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 C. J. O. B.	1 LOCATION 1 (12) 2416		CODE 7 2000
CITY, STATE, ZIP		SHIPPED VIA 5724	2 LOCATION 2		CODE
WELL TYPE		WELL PERMIT NO. 15-185-22788	3 LOCATION 3		CODE
WELL CATEGORY CA		DELIVERED TO LOCALITE	REFERENTIAL LOCATION		
TYPE AND PURPOSE OF JOB 40		ORDER NO. B-778077			

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. 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 they are free from defects of workmanship and materials. It is the responsibility of the customer to inspect and accept the products, supplies and materials at the time of delivery. Halliburton's liability and customer's obligation are limited to the amount of the purchase price of the products, supplies and materials. Halliburton is not liable for 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			
000417		1		MILEAGE	22	mi.			26	5720	
000416		1		2416 CHARGE	853	ft			523	44500	
000303		1		PLUG	1				22	22	

THIS IS NOT AN INVOICE

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COMMISSION

APR 20 1991

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-173022

1375.85

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X 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.

HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

AND
TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 173022
ORIGINAL

SERVICES
A Division of Halliburton Company

DATE 7-27-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Curtis #1	COUNTY Stafford	STATE Ks.
CHARGE TO L. D. Drilling		OWNER L. D. Drlg.	CONTRACTOR Co Tools	No. B 978077
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY S.C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 2609-5021	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				200 40%Pozmix/60%Cement							
504-308	516.00261	1	B	Standard Cement	120	sk			5.35	642.00	
506-105	516.00286	1	B	Pozmix A	80	sk			2.79	223.20	
506-121	516.00259	1	B	3 Halliburton Gel 2% allowed						N ^c	
509-406	890.50812	1	B	Calcium chloride 3%W/200	5	sk			26.25	131.25	
THIS IS NOT AN INVOICE											
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				Returned Mileage Charge							
				TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		1	B	SERVICE CHARGE				CU. FEET 210	1.15	241.50	
500-306		1	B	Mileage Charge	17,944	22		197.38	.80	157.90	
				TOTAL WEIGHT		LOADED MILES		TON MILES			
No. B 978077		CARRY FORWARD TO INVOICE						SUB-TOTAL		1395.85	

CUSTOMER

**WORK ORDER CONTRACT
 AND PRE-TREATMENT DATA**

15-185-22788-0000

ORIGINAL
 ATTACH TO INVOICE & TICKET NO. 43022

DISTRICT 101-1000-10 DATE 7-27-91

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

WELL NO. 1 LEASE Curran SEC 9 TWP. 22 RANGE 12W
 FIELD Waller COUNTY Waller STATE KS OWNED BY LD

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 BPD, MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS BPD, MCF							
CASING		<u>N</u>	<u>2 3/8</u>	<u>3 7/8</u>	<u>53</u>	<u>333</u>	
LINER							
TUBING							
OPEN HOLE					<u>333</u>	<u>341</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Set 333 2 3/8 w/ 2005 lb 40/center 30cc

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
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable 15th day of the following month for the month in which the work is done. Payment of Customer's account by the last day of the month following the month in which the work is done. Customer shall not be liable for late payment of any amount due to Halliburton. Customer shall not be liable for late payment of any amount due to Halliburton. Customer shall not be liable for late payment of any amount due to Halliburton.
 - Indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies, and their 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, and not limited to, the well owner's interest in the well.
 - Hester oil, 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 soil), or any liability or cost resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

This defense, indemnity, release and hold harmless obligation of Customer provided for in this Section by and Section by above shall apply to claims of liability even if such claims are caused in whole or in part by the negligence, strict liability, or the unconscionable or any vessel owned, operated, or furnished by Halliburton or any subcontractor of Halliburton involved 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 shall include all 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 any treatment or materials, nor the results of any treatment or service, for the accuracy of any chart interpretation, reservoir analysis, 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 title and not subject to the claims of any third party. HALLIBURTON MAKES 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 release shall be in any case of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials 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 the event of a claim against Halliburton for such products, supplies, or materials, 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.
 - 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, occurring 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.

AUG 20 1991

MISSION
 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 7-27-91
 TIME 1:14 A.M. / P.M.

I 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

WELL DATA

FIELD, SEC, TWP, RANG, COUNTY, STATE, FORMATION NAME, TYPE, THICKNESS, PROD, COMPLETION DATE, PACKER TYPE, BOTTOM HOLE TEMP, MISC. DATA, TOTAL DEPTH

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times for each event.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel and their assignments.

DEPARTMENT

DESCRIPTION OF JOB

JOB DONE THRU: TUBING, CASING, ANNULUS, TBG/ANN.

CUSTOMER REPRESENTATIVE

HALLIBURTON OPERATOR, COPIES REQUESTED

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

Summary section containing pressure data, volume data, and treatment details like 'TREATMENT: BBL GAL', 'CEMENT SLURRY: BBL GAL', and 'REMARKS'.

LOG

WELL NO. LEASE

TICKET NO. 173072

CUSTOMER L.D. DeLo

PAGE NO. ORIGINAL

JOB TYPE 6745

DATE 7-27-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1530							Called out
	1700							on hole
	1813	2						BREAK IIRC
	1816	6 1/2				250	240	START MIXING 44.8 bbl sl
	1824	6	1448			475	475	Finish mixing
	1925							Release plug
	1826	6				350	350	Start 20'S bbl down
	1830		20.5					Bring down
	1831					100		Circ's O SES to AT
	1840							Close well
								Jet collar for returns
	1900							Job Complete
								THANK YOU
								JAIME
								Case
								Down

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CUSTOMER

15-185-22788-0000



JOB SUMMARY

DIVISION CONCRETE
HALLIBURTON LOCATION CONCRETE

ORIGINAL

BILLED ON TICKET NO 193027

WELL DATA

FIELD _____ SEC A1 TWP 22 RMC 12 COUNTY St. Louis STATE MO

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

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	1	10.5	4 1/2	KB	3750	
LINER						
TUBING						
OPEN HOLE			1 1/2	3750	3750	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE	1	Halliburton
CENTRALIZERS	3	"
BOTTOM PLUG		
TOP PLUG	1	"
HEAD	1	"
PACKER		
OTHER	1	"

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-2</u> TIME <u>2:30</u>	DATE <u>8-2</u> TIME <u>6:20</u>	DATE <u>8-2</u> TIME <u>6:25</u>	DATE <u>8-2</u> TIME <u>11:0</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S. G. ...</u>	<u>1111</u>	
<u>D. ...</u>	<u>...</u>	<u>23130</u>
<u>T. ...</u>	<u>...</u>	<u>"</u>

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

DLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC DALLS TYPE _____ QTY _____

OTHER _____

DEPARTMENT CONCRETE

DESCRIPTION OF JOB 4 1/2" long string

JOB DONE THRU: TUBING CASING ANNULUS TUG/ANN.

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR S. G. ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK	MIXED LBS/GAL
	75	40-60	Poz	B	1.8% Salt, .25% 111, .1% ...	1.31	14.52
	75	40-60	Poz	B	1.8% Salt, .25% 111, .1% ...	1.41	14.51

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

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 _____

FEET 10 10 REASON Insert

SUMMARY

PRESLUSH BBL-GAL 100 TYPE ...

LOAD & BKDN BBL-GAL _____ PAD BBL-GAL _____

TREATMENT BBL-GAL _____ DISPL BBL-GAL 577

CEMENT SLURRY BBL-GAL 2196 18.85 22.7

TOTAL VOLUME BBL-GAL _____

REMARKS

RECEIVED

CUSTOMER

CUSTOMER
JOB NO
WELL NO
JOB TYPE
DATE

HALLIBURTON SERVICES
JOB LOG

15-185-22789-0000

WELL NO. 1 LEASE Curtis TICKET NO. 113024
 CUSTOMER L.D. Daly Inc PAGE NO. ORIGINAL
 JOB TYPE 4 1/2 Lumpy String DATE 8-2-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							Called Out 8-2-91
	0250							On Location 8-3-91
	0615							Drop by 11 Break Close
	0635	6	20				600	Pump salt flush
	0647	6	0				400	Start mixing cut
	0653	6	36.2				200	Finish mixing cut
	0655							Close In - Clear line
	0658	8.5	0				400	Release Plug - Start Drop
	0706	8.5	59.7				1100	Plug Down
	0707							Released Hold
	0640							Plug Run Hole 4/10ths
								Job Complete
								Thank you
								Shawn Guesnier
								David Scott
								Terry Henry

RECEIVED
STATE COMMISSION

AUG 20 1991

Division
Wichita

CUSTOMER



A Division of Halliburton Company

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

15-185-22788-0000

ORIGINAL FOR INVOICE AND TICKET NO. 173024

DATE 8-3-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Curtis 1	COUNTY Stafford	STATE Ks.
CHARGE TO L.D. Drilling Incorporated		OWNER Same	CONTRACTOR Co Tools	No. B 978090
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY J.M. Sheets
CITY & STATE		DELIVERED TO Location	TRUCK NO. 1540-5621	RECEIVED BY <i>J.L. M...</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
				150 40% Pozmix 60% Cement 2% Gel								
504-308	516.00261	1	b	Standard Cement	90	sk			5.35	481.50		
506-105	516.00286	1	b	Pozmix A	60	sk			3.29	197.40		
506-121	516.00259	1	b	3 Halliburton Gel 3% allowed						NC		
509-968	516.00315	1	b	Salt Blended 18% W/150	1350	lb.			.10	135.00		
509-968	516.00158	1	b	Salt not mixed	400	lb.			.10	40.00		
508-292	70.15573	1	b	Gilsonite Blended 5/8 W/75	400	lb.			.47	188.00		
507-775	516.00144	1	b	Halad 322 Blended .75% W/150	97	lb.			6.15	596.55		
<p>RECEIVED STATE COMPTROLLER COMMISSION</p> <p>AUG 20 1991</p> <p>LOADED MILES TON MILES</p> <p>SERVICE CHARGE ON MATERIALS RETURNED CU. FEET</p>												
500-207		1	b	SERVICE CHARGE					CU. FEET 183	1.15	210.45	
500-306		1	b	Mileage Charge	15.405	TOTAL WEIGHT	22	LOADED MILES	169.46	TON MILES	.80	135.57
No. B 978090		CARRY FORWARD TO INVOICE							SUB-TOTAL		1984.47	

FORM 1911-R6 REV. 8-85

CUSTOMER

HALLIBURTON SERVICES

Duncan, Oklahoma 72534

A Division of Halliburton Company

15-185-22788-0000

TICKET

NO. 173024-5

ORIGINAL

FORM 1908 R-11

WELL NO.—FARM OR LEASE NAME #1 Curtis		COUNTY Stafford	STATE KS.	CITY / OFFSHORE LOCATION	DATE 8-3-91
CHARGE TO L.D. Drilling Inc.		OWNER Same		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Co Tools		LOCATION 1	CODE 78320
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2	CODE
WELL TYPE	WELL CATEGORY	WELL PERMIT NO.	DELIVERED TO	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB		B-778070	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 remedy are limited to the extent 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, 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	22	mi.			9.15	201.30
001-016		1		Pump Charge	2758	ft	8	hrs		1240.00
020-218		1		5.00 Plug	1	ea	4	1/2	50.00	50.00
12A	825.201	1		Guide Shoe	1	ea	4	1/2	87.00	87.00
24A	515.19101	1		Insert Fl. Valve	1	ea	4	1/2	73.00	73.00
27	715.1111	1		Auto Follow	1	ea			27.00	27.00
40	807.93003	1		Constructors	2	ea	4	1/2	41.00	122.00

THIS IS NOT AN INVOICE

RECEIVED
STATE COMMISSION

AUG 20 1991

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-778070

173024-5

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X L.D. Drilling
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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____
CUSTOMER

SUB TOTAL _____
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

ORIGINAL

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3000	1 2:26	2	
	28	2	
	30	2	COG
	31:35	1	
	36	1	
5	38	2	
	39	1	
	40	1	
	41	1	
	42	1	
10	44	2	
	47	3	
	51	4	
	53	2	
	54	1	
15	56	2	
	59	3	
	57	3	
	5		
	8		
20	10	3	
	15	3	
	17	2	
	19	2	
	22	3	
25	25	3	
	28	3	
	31	3	
	34	3	
	38	4	
20	40	2	
	45	3	
	46	3	
	50	4	CONN
	58:40	2	
35	55	3	
	7	2	
	9	2	
	10	1	
		1	
40		1	
		1	
		1	
		1	
45		1	
		1	
		1	
3050			

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3050	51		
56			
60	37		
	28		
	29		
	30	1	
65			
70	40		
	40:2	1	
	41	1/2	
	42	1	
	43	1	
75	44	1	
	45	1	
	46	1	
	48	2	
	50	2	
80	51	1	
	52	1	
	53	1	
	54	1	
	57	3	
85	59	2	
	10:03	3	
	6	3	
	9	3	
	12	1	
90	13	2	
	15	2	
	17	2	
	19	1	
	20	1	
95	21	1	
	22	1	
	24	2	
	26	2	CONN
	10:31	1	
3100	34	3	CONN

RECEIVED
 STATE GEOLOGICAL COMMISSION
 AUG 20 1991
 CURTIS
 WICHITA KANSAS

ORIGINAL

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	10:34 1/2	4	
	38 1/2		
	42 1/2	4	
	46	3 1/2	
	49	3	
5	52	3	
	55	3	
	58	3	
	11:00 1/2	2 1/2	
	2	1 1/2	
10	3 1/2	1 1/2	
	4 1/2	1	
	6	1 1/2	
	7	1	
	9	2	
15	11	2	
	12 1/2	1 1/2	
	14	1 1/2	38 vls 8 1/2" 94" 10" PH 5000 cbl.
	15	1	
	16	1	
20	17 1/2	1 1/2	
	19	1 1/2	
	21	2	
	22 1/2	1 1/2	
	24	1 1/2	
25	25 1/2	1 1/2	
	27	1 1/2	
	28 1/2	1 1/2	
	30	1 1/2	
	31	1	CONN V RIG
30	43 1/2 / 44 1/2	1	
	45 1/2	1	
	46 1/2	1	
	47 1/2	1	
	49	1 1/2	
35	50	1	
	51 1/2	1 1/2	
	53	1 1/2	
	55	2	
	56 1/2	1 1/2	
40	58	1 1/2	
	12:00 1/2	2 1/2	
	4	4	
	7	3	
	10	3	
45	14	4	
	18	4	
	22	4	
	24	2	
	26	2	
3150	28	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	28	2	
	30		
	32 1/2	2 1/2	
	36 1/2	4	
	39 1/2	3	
55	43	3 1/2	
	45	2	
	47 1/2	2 1/2	
	51	3 1/2	
	54	3	
60	57	3	CONN
	1:01 1/2 / 4 1/2	3	
	8	3 1/2	
	11	3	
	15	4	
65	18	3	
	21	3	
	24 1/2	2 1/2	
	27 1/2	3	
	30	2 1/2	
70	33	3	
	35 1/2	2 1/2	
	38	2 1/2	
	41	3	
	44 1/2	3 1/2	
75	47	2 1/2	
	50 1/2	3 1/2	
	54	3 1/2	
	57	3	
	7:01	4	
80	5	4	
	9	4	
	13	4	
	16	3	
	19	3	
85	22	3	
	24 1/2	2 1/2	
	27 1/2	3	
	30 1/2	3	
	33 1/2	3	
90	37	3 1/2	CONN
	40 1/2 / 43 1/2	3	
	46 1/2	3	
	50	3 1/2	
	53	3	
95	56	3	
	59	3	
	3:02	3	
	5	3	
	8	3	
3200	11	3	

ORIGINAL

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	3:11	3	
1	14	3	
	18	4	
	21	3	
	24½	3½	
5	27	2½	3209-
	29½	2½	
	31	1½	
	32	1	
	35	3	
10	39	4	
	42½	3½	
	46	3½	
	50	4	
	53	3	
15	57	4	
	4:00	3	
	3	3	
	6	3	
	10	4	
20	13½	3½	
	17	3½	
	20	3	CONN
	25/27	2	
	31	4	
25	34	3	
	37	3	
	39½	2½	
	42½	3	
	44	1½	
30	45	1	
	47	2	
	49	2	
	52	3	
	55	3	
35	57	2	
	5:00	3	vic 44 wt 8" 9" PU 10" ch. 4000
	3	3	
	5½	2½	
	8½	3	
40	12	3½	
	15	3	
	17	2	
	20	3	
	22	2	
45	24	2	
	26	2	
	28	2	
	30	2	
	32	2	
50	34	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	5:34	2½	
51	5:36	2½	
	39	2½	conn
	42/44	2	
	46½	2½	
55	48	2	
	51	2½	
	53	2	
	55	2	
	57	2	
60	59	2	
	6:01	2	
	3	2	
	5	2	
	7	2	
65	9	2	
	11	2	
	13	2	
	15	2	
	17	2	
70	19	2	
	21	2	
	23	2	
	25	2	
	27	2	
75	29	2	
	31	2	
	33	2	
	34½	1½	
	3½	2	
80	38	1½	
	40	2	
	42	2	
	44	2	conn
	48/50	2	
85	52	2	
	54	2	
	55½	1½	
	57	1½	
	59	2	
90	7:01	2	
	03	2	
	05	2	
	07	2	
	09	2	
95	11	2	45 wt 9" wt 10" ch
	13	2	4000 ft/hr 10" Pu
	15	2	
	17	2	
	19	2	
100	21	2	

ORIGINAL

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
300	21	23	2
1	25	2	
	27	2	
	29	2	
5	30 1/2	1 1/2	
	32	1 1/2	
	34	2	
	36	2	
	38	2	
10	39 1/2	1 1/2	
	41	1 1/2	
	43	2	
	45	2	
	47	2	
15	8 1/2	1 1/2	
	58 1/2	2	
	2	2	
	4	2	
	6	2	
20	8	2	
	10	2	
	12	2	
	13 1/2	1 1/2	
	15	1 1/2	
25	16-	1-	
	18	1-	
	20	2	
	1-	1-	
	3	1-	
30	5	2	
	6-	1-	
	8	1-	
	30	2	
	1-	1-	
35	3	1-	
	5	2	
	6-	1-	
	38	1-	
	40	2	
40	1-	1-	
	3	1-	
	5	2	
	46-	1-	
	49	2-	
45	52-	3-	
	56	3-	
	59/02	3	
	6	4	
	10	4	
50	12	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	16	4	
51	19	3	
	22 1/2	3 1/2	
	26	3 1/2	
55	30	4	
	33 1/2	3 1/2	
	36	3 1/2	
	40	4	
	44	4	
60	47	4	
	52	4	
	55 1/2	3 1/2	
	59	3 1/2	
	10:02 1/2	3 1/2	
65	6	3-	
	9	3	
	13	4	
	16	3	
	18-	2-	
70	21	2-	
	4	3	
	27-	3-	
	37	3-	
	5	4	
75	38	3	
	41	3	
	4-	3-	
	47	2-	
	59 1/2	2	
80	6	3	
	59	3	
	07-	3-	
	6	3-	
	9	3	
85	12	3	
	15	3	
	18	3	
	21	3	
	24	3	
90	27	3	
	29-	2-	
	37	2-	
	5	3	
	38	3	
95	41	3	
	4	3	
	47	3	
	50	3-	
	4	3-	
100	7-	3-	

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	53	01	3-
	7	3	
	7	3	
	10	3	
	13	3-	
	17	3-	
	20	3	
	3-	3-	
	7	3-	
10	30/2	2	
	5-	2-	
	39	3-	
	42	3	
	5 1/2	3-	
	49-	4	
	5	4-	
	58	3	
	10 1/2	3-	
	5	3-	
20	8	3	
	12	4	
	15	3	
	18	3	
	21-	3-	
	24	2-	
	7-	3-	40 vis
	31	3-	92 wt
	4	3	9.1116
	37	3	10 Ph
30	40	3	7500ch 1
	3-	2-	
	7	3-	
	50	3	
	53	3	
	56	3	CFS 30/60
	11 1/4 / 44 1/2	3 1/2	
	49	4 1/2	
	53	4	
	57	4	
40	12:01	4	CONN J Res
	13/17	4	
	21 1/2	4 1/2	
	25 1/2	4	vis 49 wt 9' w/ 9' FWD ch 10,000
	29 1/2	4	
	34	4 1/2	
	38 1/2	4 1/2	
	42 1/2	4	
	43 1/2	1	
	45	1 1/2	
3450	47	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3450	12:47	50	3
	53	3	
	57	4	
	1:01	4	
	4	3	
	7 1/2	3 1/2	
	10 1/2	3	
	14 1/2	4	
	17	2 1/2	
60	21	4	
	25	4	
	29	4	
	32	3	
	36	4	
	39	3	
	42	3	
	45	3	
	49	4	
	52	3	
70	55	3	
	58	3	
	2:02	4	CONN
	6 1/2 / 10	3 1/2	
	13 1/2	3 1/2	
	17 1/2	4	
	21	3 1/2	
	25	4	
	29	4	
	33	4	
80	37	4	
	41	4	
	45	4	
	50	5	
	55	5	
	3:00	5	
	5	5	
	10	5	
	14 1/2	4 1/2	
	19	4 1/2	
90	22 1/2	3 1/2	
	25 1/2	3	
	29 1/2	4	
	34	4 1/2	
	38	4	
	43	5	CFS 30/60
	52/55	3	
	4:00	5	
	4	4	
	9	5	
3500	14	5	

ORIGINAL

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	4:14	5	vis 53 wt 93 w/c 9 PH 10 chl 10000
	19	4	
	23	4	
	27	4	CONN
	31/35	4	
5	40	5	
	44	4	
	47 1/2	3 1/2	
	50 1/2	3	
	54	3 1/2	
10	58 1/2	4 1/2	
	5:02	3 1/2	
	5	3	
	9 1/2	4 1/2	
	13 1/2	4	
15	18	4 1/2	
	22 1/2	4 1/2	
	27	4 1/2	
	31	4	
	35	4	
20	38 1/2	3 1/2	
	42	3 1/2	
	46	4	
	48	2	
	49 1/2	1 1/2	
25	51	1 1/2	
	54	3	
	58	4	
	6:00 1/2	2 1/2	
	2 1/2	2	
30	4 1/2	2	
	6	1 1/2	
	8 1/2	2 1/2	
	12	3 1/2	
	17	5	
35	21 1/2	4 1/2	CONN
	25 1/2/29	3 1/2	
	33	4	
	37	4	
	41 1/2	4 1/2	
40	46	4 1/2	
	50	4	
	54	4	
	58	4	
	7:02	4	
45	6 1/2	4 1/2	
	10 1/2	4	
	14 1/2	4	
	18	3 1/2	
	21	3	
50	23	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3550	25	2	
51	26 1/2	1 1/2	
	29	2 1/2	
	31	2	
55	34	3	
	38	4	
	42	4	
	46	4	
	50 1/2	4 1/2	
60	54 1/2	4	CFS 30100
	58 1/2/03	3	
	7	4	
	11	4	
	15	4	
65	19	4	CONN
	26 1/2/29	3	
	33	4	
	38	5	
	42	4	
70	46 1/2	4 1/2	
	51	4 1/2	
	55	4	
	4:00	5	
	04	4	
75	08	4	
	13	5	
	17	4	
	22	5	
	25	3	
80	28	3	
	32 1/2	4 1/2	
	37	4 1/2	
	41	4	
	46	5	
85	51	5	
	55	4	
	5:00	5	
	04	4	
	09	5	
90	13 1/2	4 1/2	
	17	3 1/2	
	20	3	
	23	3	
	27	4	
95	32	5	
	36	4	CONN
	40/44	4	50' vis
	48	4	9° wt
	51	3	7.2 wt
3600	53	2	3000 chl
			110 F

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3600	53		
	55	2	
	58	3	
	6:01	3	
	5	4	
05	8	3	
	10 1/2	2 1/2	
	13	2 1/2	
	16	3	
	19	3	
10	21	2	
	25	4	
	31	6	
	36	5	
	41 1/2	5 1/2	
15	47	5 1/2	
	52	5	
	54 1/2	2 1/2	
	58 1/2	4	
	7:03	4 1/2	
20	8	5	
	12 1/2	5 1/2	
	17	4 1/2	
	21 1/2	4 1/2	
	26	4 1/2	
25	31	5	
	37	6	
	41 1/2	4 1/2	conn
	46 1/2	3	
	53	4	
30	57	4	
	8:01	4	
	05 1/2	4 1/2	
	10	4 1/2	
	14	4	
35	18	4	
	22	4	
	26	4	
	29	5	
	31	2	
40	36	5	
	40	4	
	43	3	
	46	3	
	49	3	
45	51	2	
	54	3	
	57	3	
	9:01 1/2	4 1/2	
	04	2 1/2	
3650	6 1/2	2 1/2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3650	6 1/2		
	8 1/2	2	
	10 1/2	2	
	12 1/2	2	
	14 1/2	2	
55	17	2 1/2	
	19	2	
	21	2	
	23	2	conn
	27 1/2	1	50+vis
60	30	2	9' wt
	32	2	11 PH
	33 1/2	1 1/2	7' WL
	35	1 1/2	4000 chl
	37	2	
65	39	2	
	41	2	
	43	2	
	45	2	
	46	1	
70	48	2	
	49 1/2	1 1/2	
	51	1 1/2	
	53	2	
	55	2	
75	56 1/2	1 1/2	
	58 1/2	2	
	1:00	1 1/2	
	02	2	
	04	2	
80	06	2	
	07 1/2	1 1/2	
	09	1 1/2	
	11	2	
	12 1/2	1 1/2	
85	14	1 1/2	
	15 1/2	1 1/2	
	17	1 1/2	
	18 1/2	1 1/2	
	20	1 1/2	conn
90	25 1/2	2	
	30	3	
	33	3	
	35	2	
	38	2	
95	41	3	
	44	3	
	49	5	
	54	5	
	59	5	
3700	11:03	4	

