

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

159-22336-0000

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

Operator: License # 30197
Name: D. C. Dudley & Associates
Address: 1776 Lincoln St. #904
Denver, CO 80203
City/State/Zip
Purchaser: None
Operator Contact Person: Tim Schowalter
Phone (303) 861-0800
Contractor: Name: Val Energy, Inc.
License: 5822
Wellsite Geologist: Kevin C. Davis

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
6/27/92 7/1/92
Spud Date Date Reached TD Completion Date

API NO. 15- _____
County Rice
SW NW NE Sec. 34 Twp. 20s Rge. 9 ^E_W
4290 Feet from ^{XX}S/W (circle one) Line of Section
2310 Feet from ^EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name 31-34 Hospital Well # 1
Field Name N/A
Producing Formation D&A
Elevation: Ground 1686' KB 1691'
Total Depth 3450' PBDT _____
Amount of Surface Pipe Set and Cemented at 322 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.

Drilling Fluid Management Plan ALT 1 D&A *JKH*
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume 500 bbls
Dewatering method used Pulled 520 bbls water

Location of fluid disposal if hauled offsite:
Lackey Disposal Systems
Operator Name _____
Lease Name Swanson SWD License No. 08217
W/2 NW Quarter Sec. 30 Twp. 19 S Rng. 5 ^E_W
County McPherson Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas, 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Kevin C. Davis
Title Kansas Representative Date 7/29/92
Subscribed and sworn to before me this 29th day of July 1992
Notary Public Martha C. Nussbaum
Date Commission Expires February 19, 1994

RECEIVED
STATE CORPORATION COMMISSION
JUL 30 1992
K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Geologist Report Received
Distribution
KCC SUD/Rep NGPA
KGS Plug Other (Specify)

MARTHA C. NUSSBAUM
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-19-94

91

SIDE TWO

Operator Name D. C. Dudley & Associates

Lease Name 31-34 Hospital

Well # 1

Sec. 34 Twp. 20s Rge. 9
 East
 West

County Rice

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.)
 (See Geologists Report)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
 Radiation-Guard

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Heebner	2769'	(-1078)	
Toronto	2790'	(-1099)	
Brown Lime	2912'	(-1221)	
Lansing	2942'	(-1251)	
B/KC	3234'	(-1543)	
Viola	3306'	(-1615)	
Simpson	3333'	(-1642)	
Arbuckle	3393'	(-1702)	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 1/2	8 5/8"	23#	322	60/40 Poz	225	2% gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record:	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production: SMD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ORIGINAL

HALLIBURTON SERVICES
Duncan, Oklahoma 73536

A Division of Halliburton Company

NO. 245808-2

15.159.22336.0000

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME # 21-37 Hospital		COUNTY Rice	STATE KS	CITY / OFFSHORE LOCATION	DATE 6-26-92
CHARGE TO D.C. Dudley & Associates		OWNER S9MC	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 Val Energy	LOCATION 16t Bend		CODE 25520
CITY, STATE, ZIP		SHIPPED VIA 51936	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 PRATT	CODE 25055
WELL TYPE 21 01	WELL CATEGORY Dev 01	WELL PERMIT NO.	DELIVERED TO Location	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 010		B-117897	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		
200-117		1		MILEAGE	30	mi			2.60	78 00
201-916		1		Pump Charge	8	hrs	322	ft		50475 00
230-563			120025	Wood Plug	1	cg	8 3/4	in		90 00
597	825.1269		120023	Baffle	1	cg	8 3/4	in		45 00
40	80793059		120024	Centralizer	1	cg	8 3/4	in		62 00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. 7897

WAS JOB SATISFACTORILY COMPLETED?
 WAS OPERATION OF EQUIPMENT SATISFACTORY?
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY?
 Rick Smith
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 Rick Smith
 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.
 RECEIVED 7897
 JUL 30 1992
 Bill Johnson
 HALLIBURTON OPERATOR
 FIELD OFFICE

1798 26
 SUB TOTAL 2588 26
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.

STRICT Great Bend ORIGINAL DATE 6-26-92

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

ELL NO. #31-34 LEASE Hospital SEC. 34 TWP. 20 RANGE 9

ELD _____ COUNTY Rice STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			23"	8 3/4	0	322'	
LINER							
TUBING							
OPEN HOLE				12 1/4	0	325'	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Set 8 3/4" surface pipe with 225 sks 40/60 P02
37.00

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

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

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

STATE OF KANSAS I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED R. D. COMMISSIONER CUSTOMER
DATE 6-26-92

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.

TIME 1:30 P.M.
FIELD OFFICE Wichita, Kansas

15.159 22336.0000

WELL DATA

FIELD _____ SEC. 34 TWP. 20 RNG. 9W COUNTY RICE 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		23	8 3/4	0	322	
LINER						
TUBING						
OPEN HOLE			12 1/4	CB	325	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

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

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-24</u>	DATE <u>6-24</u>	DATE <u>6-26</u>	DATE <u>6-24</u>
TIME <u>0930</u>	TIME <u>1300</u>	TIME <u>1400</u>	TIME <u>1600</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. DYERLY</u>	<u>COMP.</u>	<u>H. P.</u>
<u>S. MURLOW</u>	<u>51936</u>	<u>H. P.</u>
<u>R. PARKER</u>	<u>BULK</u>	<u>PLANT</u>
<u>M. POLYMER</u>	<u>5-0809</u>	<u>H. P.</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 PLANT

DESCRIPTION OF JOB PLANT SUPT. C56

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Rick Smith

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	ADDS	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	225	40 1/2	60	STANDARD	2866 3% C.C.	1.27	14.30

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESUSH: BBL-GAL _____ TYPE _____

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 19 1/2

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL 50.9

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 15 REASON Request

CUSTOMER: J.C. DUNN & ASSOC. LEASE HOSTETTER

WELL NO: 31-34

JOB TYPE: PLANT

DATE: 6-26-92

JOB LOG

15.159.22336.0000

WELL NO. 11-11 LEASE 11-11-11 TICKET NO. 5

CUSTOMER D.C. Dudley & Assoc PAGE NO. 1

FORM 2013 R-2

JOB TYPE Surface Pipe DATE 6-26-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	13:00							ORIGINAL On Location
	1443							Break Circ Pumped
	1445	5 1/2	0				225 ¹⁴⁶	Start Mixing
			50.9					Finish Mixing
	1459							Release Plug
	1501	7					250 ¹⁴⁶	Start Displacement
								Cement Circulated to CELLAR
	1506		19.5					Plug Down
								Shut In
								Wash up
	1600							Job Complete
								Thank you!
								Glen, Mike, Steve

RECEIVED
STATE CORPORATION COMMISSION
JUL 30 1992
CONSERVATION DIVISION

FIELD OFFICE

STRICT 60997 Bend

DATE 7-1-92

HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

O.C. Dudley & Associates

(CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 31-34 LEASE Hospital SEC. 34 TWP. 20 RANGE 9

FIELD Rice COUNTY Rice STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
CORKER: TYPE _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT _____
CORE HOLE _____
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			8 5/8"	KB	322'	
LINER						
TUBING			4 1/2" x 0		3400'	
OPEN HOLE			7 7/8"	322	3450	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

PTA with 185 sks 40/60 Poz 49.6el
5sks at 3400' 35sks at 1150' 35sks at 750' 25sks at 375' 25sks at 60'
2sks in Rathole, 10sks in waterwell

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- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton's 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.

RECEIVED
JUL 30 1992

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

SIGNED: Rich Smith CUSTOMER

DATE 7-1-92

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.

TIME 13 00 A.M. (P.M.)

15.159.22336-0000

WELL DATA

FIELD _____ SEC. 24 TWP. 20 RING. 9 COUNTY Rice 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			8 7/8	KB	320	
LINER						
TUBING			4 1/2 X 9		3400'	
OPEN HOLE			7 7/8	322'	3170'	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
7-1-92	7-1-92	7-1-92	7-1-92
TIME 11:00	TIME 12:30	TIME 14:00	TIME 19:30

TOOLS AND ACCESSORIES

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

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. BERRY	85826	51797
W. Wilson	89377	Comb
S. Henry	55279	260' 260' 260' P. T. A.

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN. _____
 NE AGENT TYPE _____ GAL. _____ IN. _____
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN. _____
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN. _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN. _____
 BREAKER TYPE _____ GAL.-LB. _____ IN. _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB P.T.A.
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE Rick Smith
 HALLIBURTON OPERATOR Allen Boyd COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	1257	70/100	660	B	492 101	1.43	13.6

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL-GAL _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY BBL-GAL _____
 ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL _____
 TREATING _____ DISPL _____ OVERALL _____
 FEET _____ REASON _____

REMARKS
 RECEIVED
 JUL 30 1992
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER _____
 LEASE _____
 WELL NO. 31-34
 JOB TYPE P.T.A.
 DATE 7-1-92

JOB LOG

WELL NO. 26-21 LEASE FLU 5 147 G 1 TICKET NO. 15159.22336.001

CUSTOMER D.C. Dudley & Assoc PAGE NO. 1

JOB TYPE P.T.A. DATE 7-1-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL.) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:30							ON Location BULK TRUCK - 14.5
	14:10		9.0			300		Mix 1st Plug 35 sks
	14:20		45.0			300		Spot at 3700'
	14:40		9.0			-		Mix 2nd Plug 35 sks
	14:50		14.0			-		Spot at 1150'
	17:50		9.0			-		Mix 3rd Plug 35 sks
	18:20		8.3			-		Spot at 750'
	18:30		9.0			-		Mix 4th Plug 35 sks
	18:35		3.0			-		Spot at 375'
	18:45		6.4			-		Plug 60' to Surface 25 sks
	18:50		2.6			-		Plug Rot hole 10 sks
	19:00		2.6			-		Plug water well 10 sks
	18:50							Wash up
	19:30							Job Complete

Thanks

Glen, Wayne

RECEIVED
STATE CORPORATION COMMISSION

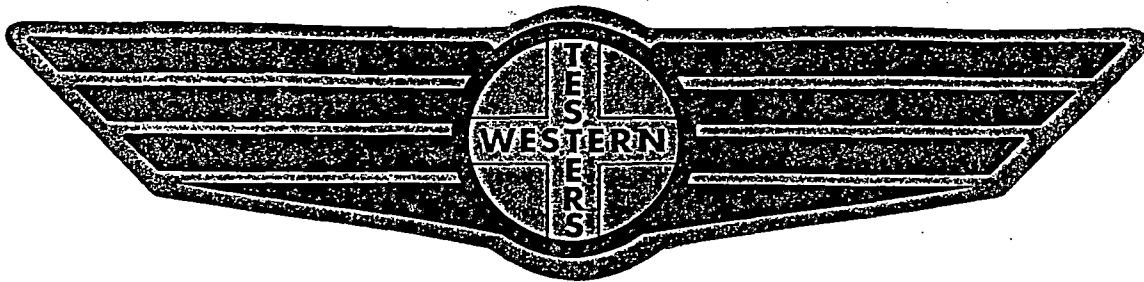
JUL 30 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

FORMATION TEST REPORT

COMPANY D C DUDLEY & ASSOCIATES LEASE & WELL NO. 31-34 HOSPITAL #1 SEC. 34 TWP. 20S RGE. 9W TEST NO. 1 DATE 6/30/92



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE : 6/30/92	TICKET : 18166
CUSTOMER : D C DUDLEY & ASSOCIATES	LEASE : 31-34 HOSPITAL
WELL : 1	TEST: 1
ELEVATION: 1691 KB	GEOLOGIST:
SECTION : 34	FORMATION: SIMPSON SAND
RANGE : 9W	TOWNSHIP : 20S
COUNTY: RICE	STATE : KS
RANGE : 4175	CLOCK : 12
GAUGE SN#: 13550	

WELL INFORMATION

PERFORATION INTERVAL FROM: 3340.00 ft TO: 3359.00 ft TVD: 3359.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 3351.0 ft 3354.0 ft
 TEMPERATURE: 107.0

DRILL COLLAR LENGTH: 0.0 ft	I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.: 0.000 in
DRILL PIPE LENGTH : 3320.0 ft	I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE : 5.500 in
ANCHOR LENGTH : 19.0 ft	ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 3335.0 ft	SIZE: 6.630 in
PACKER DEPTH: 3340.0 ft	SIZE: 6.630 in
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : VAL ENERGY RIG 1	VISCOSITY : 47.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 13.000 cc
WEIGHT : 9.400 ppg	SERIAL NUMBER:
CHLORIDES : 11000 ppm	REVERSED OUT?: NO
JARS-MAKE :	
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW DIED IN 19 MINUTES.
 STARTED AT 1/2 INCH BLOW.
 FINAL FLOW PERIOD VERY WEAK BLOW DIED IN 17

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

MINUTES. SURFACE BLOW. READ OUTSIDE CHART.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	4.0	0.0	0.0	96.0	OIL CUT MUD
0.0	0.0	0.0	0.0	0.0	W/ SHOW OF CLEAN OIL ON
0.0	0.0	0.0	0.0	0.0	TOP OF TOOL

RATE INFORMATION

OIL VOLUME:	0.0028 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	1.6832 STB/D
MUD VOLUME:	0.0673 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0701 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1692.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	41.00	41.00
INITIAL SHUT-IN	40.00		593.00
FINAL FLOW	40.00	41.00	41.00
FINAL SHUT-IN	80.00		645.00

FINAL HYDROSTATIC PRESSURE: 1692.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1715.00

Description	Duration	pl	p End
INITIAL FLOW	20.00	40.00	40.00
INITIAL SHUT-IN	39.00		563.00
FINAL FLOW	40.00	44.00	44.00
FINAL SHUT-IN	78.00		629.00

FINAL HYDROSTATIC PRESSURE: 1711.00

ORIGINAL

15.159.22336.0000

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6/30/92	TICKET	: 18166
CUSTOMER	: D C DUDLEY & ASSOCIATES	LEASE	: 31-34 HOSPITAL
WELL	: 1	TEST:	1
ELEVATION:	1691 KB	GEOLOGIST:	
SECTION	: 34	FORMATION:	SIMPSON SAND
RANGE	: 9W	TOWNSHIP	: 20S
GAUGE SN#:	13550	STATE	: KS
		CLOCK	: 12
		COUNTY:	RICE
		RANGE	: 4175

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	40.00	40.00
5.00	40.00	0.00
10.00	40.00	0.00
15.00	40.00	0.00
20.00	40.00	0.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	40.00	40.00	0.00
6.00	41.00	1.00	0.00
9.00	43.00	2.00	0.00
12.00	49.00	6.00	0.00
15.00	56.00	7.00	0.00
18.00	76.00	20.00	0.00
21.00	150.00	74.00	0.00
24.00	255.00	105.00	0.00
27.00	344.00	89.00	0.00
30.00	427.00	83.00	0.00
33.00	494.00	67.00	0.00
36.00	545.00	51.00	0.00
39.00	563.00	18.00	0.00

FINAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	44.00	44.00
5.00	44.00	0.00
10.00	44.00	0.00
15.00	44.00	0.00
20.00	44.00	0.00
25.00	44.00	0.00
30.00	44.00	0.00
35.00	44.00	0.00
40.00	44.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	44.00	44.00	0.00
6.00	44.00	0.00	0.00
9.00	44.00	0.00	0.00
12.00	44.00	0.00	0.00
15.00	44.00	0.00	0.00
18.00	44.00	0.00	0.00
21.00	47.00	3.00	0.00
24.00	49.00	2.00	0.00
27.00	54.00	5.00	0.00
30.00	58.00	4.00	0.00
33.00	66.00	8.00	0.00
36.00	73.00	7.00	0.00
39.00	86.00	13.00	0.00
42.00	114.00	28.00	0.00
45.00	176.00	62.00	0.00
48.00	253.00	77.00	0.00
51.00	322.00	69.00	0.00
54.00	387.00	65.00	0.00
57.00	437.00	50.00	0.00
60.00	492.00	55.00	0.00
63.00	532.00	40.00	0.00
66.00	560.00	28.00	0.00
69.00	583.00	23.00	0.00
72.00	601.00	18.00	0.00
75.00	619.00	18.00	0.00
78.00	629.00	10.00	0.00

15.159.22336.0000

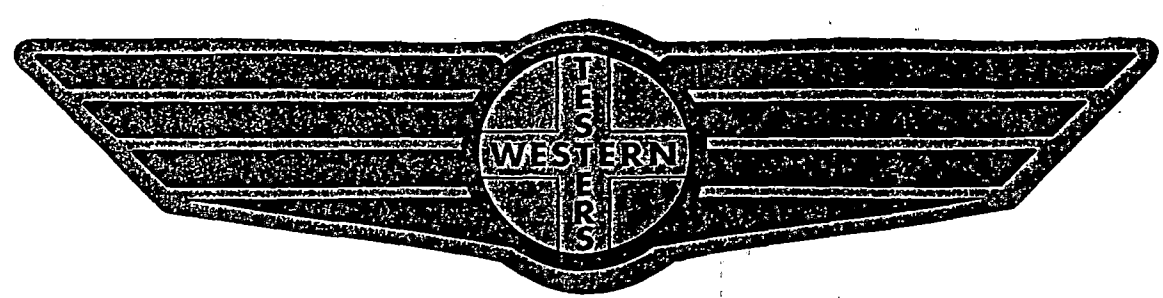
ORIGINAL

FORMATION

TEST

REPORT

COMPANY D C DUDLEY & ASSOCIATES LEASE & WELL NO. 31-34 HOSPITAL #1 SEC. 34 TWP. 20S RGE. 9N TEST NO. 2 DATE 6/30/92



Home Office:
P.O. Box 1599

Wichita, Kansas 67201
Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 6/30/92
CUSTOMER : D C DUDLEY & ASSOCIATES
WELL : 1 TEST: 2
ELEVATION: 1691 KB
SECTION : 34
RANGE : 9W COUNTY: RICE
GAUGE SN#: 10270 RANGE : 4150
TICKET : 18167
LEASE : 31-34 HOSPITAL
GEOLOGIST:
FORMATION: ARBUCKLE
TOWNSHIP : 20S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3340.00 ft TO: 3397.00 ft TVD: 3397.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3389.0 ft 3392.0 ft
TEMPERATURE: 113.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3320.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 57.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 3335.0 ft SIZE: 6.630 in
PACKER DEPTH: 3340.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : VAL ENERGY RIG 1
MUD TYPE : CHEMICAL VISCOSITY : 50.00 cp
WEIGHT : 9.400 ppg WATER LOSS: 9.500 cc
CHLORIDES : 10000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW BUILDING TO A
STRONG BLOW IN 5 MINUTES.
FINAL FLOW PERIOD WEAK BLOW BUILDING TO A STRONG

ORIGINAL

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BLOW IN 8 MINUTES.
CHLORIDES 12000 PPM

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	0.0	0.0	75.0	96.0	MUDDY WATER W/SLIGHT
0.0	0.0	0.0	0.0	0.0	SHOW OF OIL IN GRINDOUT
1620.0	0.0	0.0	100.0	0.0	WATER

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	2.4238	STB	AVERAGE WATER RATE:	432.6401	STB/D
WATER VOLUME:	24.6163	STB			
TOTAL FLUID :	27.0400	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1682.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	83.00	453.00
INITIAL SHUT-IN	60.00		1215.00
FINAL FLOW	60.00	416.00	821.00
FINAL SHUT-IN	60.00		1205.00

FINAL HYDROSTATIC PRESSURE: 1682.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1717.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	107.00	373.00
INITIAL SHUT-IN	60.00		1219.00
FINAL FLOW	60.00	434.00	838.00
FINAL SHUT-IN	60.00		1216.00

FINAL HYDROSTATIC PRESSURE: 1713.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6/30/92	TICKET	: 18167
CUSTOMER	: D C DUDLEY & ASSOCIATES	LEASE	: 31-34 HOSPITAL
WELL	: 1	TEST:	2
ELEVATION:	1691 KB	GEOLOGIST:	
SECTION	: 34	FORMATION:	ARBUCKLE
RANGE	: 9W	TOWNSHIP	: 20S
GAUGE SN#:	10270	STATE	: KS
		CLOCK	: 12
		COUNTY:	RICE
		RANGE	: 4150

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	107.00	107.00
5.00	121.00	14.00
10.00	166.00	45.00
15.00	219.00	53.00
20.00	270.00	51.00
25.00	324.00	54.00
30.00	373.00	49.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1193.00	1193.00	0.00
6.00	1203.00	10.00	0.00
9.00	1208.00	5.00	0.00
12.00	1212.00	4.00	0.00
15.00	1214.00	2.00	0.00
18.00	1216.00	2.00	0.00
21.00	1216.00	0.00	0.00
24.00	1217.00	1.00	0.00
27.00	1218.00	1.00	0.00
30.00	1219.00	1.00	0.00
33.00	1219.00	0.00	0.00
36.00	1219.00	0.00	0.00
39.00	1219.00	0.00	0.00
42.00	1219.00	0.00	0.00
45.00	1219.00	0.00	0.00
48.00	1219.00	0.00	0.00
51.00	1219.00	0.00	0.00
54.00	1219.00	0.00	0.00
57.00	1219.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1219.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	434.00	434.00
5.00	438.00	4.00
10.00	477.00	39.00
15.00	521.00	44.00
20.00	561.00	40.00
25.00	603.00	42.00
30.00	641.00	38.00
35.00	678.00	37.00
40.00	714.00	36.00
45.00	749.00	35.00
50.00	780.00	31.00
55.00	811.00	31.00
60.00	838.00	27.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1190.00	1190.00	0.00
6.00	1200.00	10.00	0.00
9.00	1208.00	8.00	0.00
12.00	1211.00	3.00	0.00
15.00	1214.00	3.00	0.00
18.00	1215.00	1.00	0.00
21.00	1216.00	1.00	0.00
24.00	1216.00	0.00	0.00
27.00	1216.00	0.00	0.00
30.00	1216.00	0.00	0.00
33.00	1216.00	0.00	0.00
36.00	1216.00	0.00	0.00
39.00	1216.00	0.00	0.00
42.00	1216.00	0.00	0.00
45.00	1216.00	0.00	0.00
48.00	1216.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1216.00	0.00	0.00
54.00	1216.00	0.00	0.00
57.00	1216.00	0.00	0.00
60.00	1216.00	0.00	0.00