

ORIGINAL

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 # 8392

Name: Jim Emerson

Address 3108 Natalie

City/State/Zip Plano, TX 75074

Purchaser: Clear Creek

Operator Contact Person: Eli Hammerschmidt

Phone (316) 532-5388

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: None

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If **OWO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

01-15-91 01-22-91 2-7-91
Spud Date Date Reached TD Completion Date

API NO. 15- 097-21,305

County Kiowa

150' N of NW Sec. 34 Twp. 27 Rge. 16 East West

4770 Ft. North from Southeast Corner of Section

4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Clark Well # 1

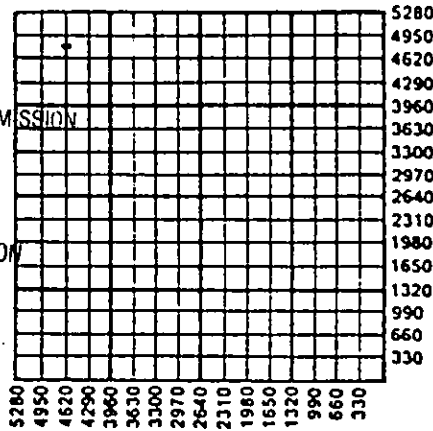
Field Name Fruit (Extension)

Producing Formation Mississippian

Elevation: Ground 2105 KB 2114

Total Depth 4682 PBTD 4662

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04-08-91
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 306 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 Jim Emerson

Title _____ Date 4-4-91

Subscribed and sworn to before me this 4th day of APRIL, 19 91.

Notary Public Cynthia J. Rubin

Date Commission Expires 06/01/93

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

SIDE TWO

Operator Name Jim Emerson Lease Name Clark Well # 1
 Sec. 34 Twp. 27 Rge. 16 East West
 County Kiowa

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
Name	Top	Bottom
Heebner	3950'	
Lansing	4105'	
Cherokee Shale	4577'	
Mississippi	4624'	

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 1/2"	8-5/8"	20#	306'	60/40poz	225	2% gel 3% cc.
Production	7-7/8"	4 1/2"	10.5#	4680'	Phixotropic	135	2% gel 5# Gal Seal 8# Gilsomite

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	4628'-4658'	3000 Gal., 15% NE Acid	4628'-4658'
		Frac: 12,000# 100 Mesh Sand	
		34,000# 20-40 Sand	
		86,000# 12-20 Sand	

TUBING RECORD Size 2 3/8" Set At 4568 Packer At _____ Liner Run Yes No

Date of First Production 2-7-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	13	10	62	161:1	37

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

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1 LEASE CLARK TICKET NO. 041066
 CUSTOMER CORLEIAN ENERGY CORP PAGE NO. 1
 JOB TYPE 8 7/8 SURFACE DATE 1-15-71

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							ORIGINAL JOB READY NOW CHECK OUT FOR JOB
	0700							
	0815							PUMP TRUCK ON LOCATION RIG STILL DRILLING SET UP PUMP TRUCK RIG THROUGH CUTTING 307' OF 12 1/2" HOLE ON BOTTOM CIRCULATING PULL DRILL PIPE
	1045							
	1215							START RUNNING 3 1/2" CSC CASING ON BOTTOM 307' HOOK UP P/L - CIRCULATING 2000 START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING HOOK UP TO PUMP TRUCK
	1300	7	50		✓		KO	START MIXING 375 SPS GWT THROUGH MIXING GEMENT SHOT DOWN RELEASE PLUG START PUMPING
	1330	4	19.0		✓		KO	PLUG DOWN DET MIT CIRCULATE GWT RUN 110 TO 120 GWT TAGGED GWT 24' 1000 GL ORDER OUT 50 SPS STANDARD 2500 WGT ON BEST TRUCK
	1400							
	1700							RIGWORKER ON LOCATION RUN 40' OF ONE INCH 4 T SPT SURFACE CSC
	1715		10.5		✓			MIX 50 SPS GWT + CIRCULATE TO 2000 JOB COMPLETE

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STATE CORPORATION COMMISSION

APR 11 1971

CONSERVATION DIVISION
MICHIGAN, MICHIGAN

CUSTOMER

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

HALLIBURTON SERVICES

A Division of Halliburton Company

FOR INVOICE AND TICKET NO. 0412566

DATE 1-15-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Clark #1	COUNTY Kiowa	STATE Ks.
CHARGE TO Corsican Energy Corporation		OWNER Emerson Oil & Gas	CONTRACTOR Duke Drlg.	
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY S.C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 2656-6605	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.			
				225 40% Pozmix/60% Cement							
504-308	516.00261	2	B	standard Cement	135	sk			5.35	722.25	
506-105	516.00286	2	B	Pozmix A	90	sk			2.79	251.10	
506-121	516.00259	2	B	4 Halliburton Gel 2% allowed						NC	
509-406	890.50812	2	B	Calcium Chloride 3%w/225	6	sk			26.25	157.50	
500-307		2	B	Surcharge	262.82				.10	26.28	
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		2	B	SERVICE CHARGE			CU. FEET	237	1.10	260.70	
500-306		2	B	Mileage Charge	20,217 TOTAL WEIGHT	26 LOADED MILES	262.82 TON MILES		.75	197.12	
No. B 917695		CARRY FORWARD TO INVOICE					SUB-TOTAL				1614.95

THIS IS NOT AN INVOICE

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STATE CORPORATION COMMISSION
APR 09 10 01
Wichita, Kansas

CUSTOMER

**BULK MATERIALS DELIVERY
 AND
 TICKET CONTINUATION**

FOR INVOICE AND TICKET NO. **042066**

ORIGINAL

DATE 1-15-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Clark #1	COUNTY Kiowa	STATE Ks.
CHARGE TO Corsecan Energy Corp.		OWNER Emerson Oil & Gas	CONTRACTOR Duke Drlg.	No. B 917696
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY S.C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 0513	RECEIVED BY 14

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261	2	B	Standard Cement	50	sk			5.35	267.50	
509-406	890.50812	2	B	Calcium Chloride 300/50	1	sk			26.25	26.25	
500-307		2	B	Surcharge	62.14				.10	6.21	
				Returned Mileage Charge							
				TOTAL WEIGHT							
				LOADED MILES							
				TON MILES							
				SERVICE CHARGE ON MATERIALS RETURNED							
				CU. FEET							
500-207		2	B	SERVICE CHARGE							
				CU. FEET	52				1.10	57.20	
500-306		2	B	Mileage Charge	4,780						
				TOTAL WEIGHT	26						
				LOADED MILES	62.14				.75	50.00	
				TON MILES							
No. B 917696		CARRY FORWARD TO INVOICE							SUB-TOTAL		407.16

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 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>1. CLARK</i>		COUNTY <i>KIOWA</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>1/13/91</i>
CHARGE TO <i>CONCRETE PUMPING CORP</i>		OWNER <i>CONCRETE PUMPING CORP</i>		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS		CONTRACTOR <i>DAVE DAVIS</i>		MITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
CITY, STATE, ZIP		SHIPPED VIA <i>2570</i>		LOCATION <i>1 117TH ST</i>	
WELL TYPE <i>01 OIL</i>		WELL PERMIT NO. <i>B-717671</i>		LOCATION <i>2 117TH ST</i>	
TYPE AND PURPOSE OF JOB <i>CONCRETE PUMPING</i>		DELIVERED TO <i>LOCATION</i>		LOCATION <i>3</i>	
		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 ANY MERCHANTABILITY FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's 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		
<i>117</i>		<i>1</i>		<i>MILEAGE</i>					<i>2.55</i>	<i>61.10</i>
<i>117</i>		<i>1</i>		<i>MILEAGE - CONCRETE PUMPING</i>					<i>70</i>	<i>15.70</i>
<i>016</i>		<i>1</i>		<i>PUMP CHARGE</i>	<i>307</i>	<i>FT</i>			<i>4.00</i>	<i>1227.00</i>
<i>203</i>		<i>1</i>		<i>1 1/2" TIP PLUG</i>	<i>1</i>	<i>EA</i>	<i>1/2</i>	<i>IN</i>	<i>11.00</i>	<i>11.00</i>

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CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 417671

9.11 16
16.11 7

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X *Donald R. O'Connor*
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X *Donald R. O'Connor*
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.

John Sheehan
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 042066

DISTRICT PPM 13

DATE 1-15-91

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: CORSICAN ENERGY CORP (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE CLARK SEC 34 TWP. 27 RANGE 16 W

FIELD _____ COUNTY KLING STATE KS OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT 9.2
BORE HOLE 12 1/4'
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>20'</u>	<u>8 1/8</u>	<u>KB</u>	<u>307</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CEMENT 8 1/8 SURFACE CASING WITH 225 SKS 40/60 POT. 2 1/2 CIL 3/CC

ONE INCH WITH 50 SKS STANDARD 3 R CC

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, 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 product 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 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 to this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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STATE CORPORATION COMMISSION

APR 08 1991

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

DATE 1-15-91
TIME 1030 (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

WELL DATA

FIELD _____ SEC. 39 TWP. 27 RNG. 16W COUNTY Rockwell STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 37

JOB DATA

CALLER OUT DATE TIME	ON LOCATION DATE TIME	JOB STARTED DATE TIME	JOB COMPLETED DATE TIME
7/17/11 7:50	7/17/11 11:15	7/17/11 1:00	7/17/11 1:15

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>1A II</u>	<u>1</u>	<u>HALCO</u>
HEAD <u>PK</u>	<u>1</u>	<u>PK</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. ...</u>	<u>...</u>	<u>...</u>
<u>D. ...</u>	<u>...</u>	<u>...</u>
<u>D. FOLKS</u>		<u>GT B/W</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

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT CLIENT

DESCRIPTION OF JOB CEMENT ST. SURFACE CLEAN

JOB DONE THRU: TUBING CASING ANNULUS TEG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR H. ...

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>275</u>	<u>4/100 psi</u>		<u>HALCO</u>	<u>B</u>	<u>2/CC 3/CC</u>	<u>1.36</u>	<u>175</u>
	<u>30</u>	<u>14.4 lb</u>		<u>PK</u>	<u>B</u>	<u>36 CC</u>	<u>1.1</u>	<u>152</u>

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CONSERVATION DIVISION
P.O. Box 10

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURUSH: SBL-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & SKDN: SBL-GAL. _____ PAD: SBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: SBL-GAL. _____ DISPL. SBL-GAL. 1703

SHUT-IN: INSTANT _____ 9-MIN. _____ 15-MIN. _____ CEMENT SLURRY: SBL-GAL. 50.4

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: SBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 15 REASON By Request

REMARKS _____

CUSTOMER NO. _____ LEASE NO. _____ WELL NO. _____ JOB TYPE _____ DATE _____

DAILY DRILLING REPORT

89 ORIGINAL
Note: Report all defects in machinery, cor-
rosion, slope tests and injuries under Remarks

DATE

7-74-91

COMPANY <i>J. Emerson</i>		WELL NO. <i>#1</i>	LEASE <i>Clark</i>	RIG NO. <i>4</i>
SECTION <i>24</i>	TWP. OR BLOCK <i>27</i>	RNG. OR SURVEY <i>11e</i>	COUNTY <i>Kiowa</i>	STATE <i>Kansas</i>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
1	FROM			<i>Jeary Heiderschatt</i>	DRLR	8		130
				<i>Danny Busch</i>	DKM	8		
				<i>Earl Davis</i>	HLP	8		
				<i>Royce Rowland</i>	HLP	8		
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CORE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION <i>Sat with wall Help Rig up</i>				

REMARKS:-

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
2	FROM			<i>Del. James Christm</i>	DRLR	10	<i>80%</i>	240
				<i>W. S. ...</i>	DKM	10		
				<i>...</i>	HLP	10		
				<i>...</i>	HLP	10		
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN	Delivery 600 bbl @ 95¢ & 1100 gal @ 85¢				
CORE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION <i>145-445 ... 445-1200 ...</i>				

REMARKS:-

*1200 - 445 Sat Rig up with the Draw Light Phot
Rig up - Dark & Time to Cal*

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
3	FROM			<i>Ronald Axman</i>	DRLR	8		150
				<i>Paul Schiltensky</i>	DKM	8		
				<i>Todd Campbell</i>	HLP	8		
				<i>Terry Larson</i>	HLP	8		
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CORE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION <i>100-900 Rig-up & Put up Taps & Pump down</i>				

REMARKS:-

RECEIVED
STATE CORPORATION COMMISSION
APR 08 1991
CONSERVATION DIVISION
Wichita, Kansas

APPROVED BY FIELD SUPERINTENDENT

DAILY DRILLING REPORT ORIGINAL (Note: Report all defects in machinery, coring, slope tests and injuries under Remarks)

DATE **1-15-91**

COMPANY Jim Emerson			WELL NO. 1	LEASE CLARK	RIG NO. 4			
SECTION 34	TWP. OR BLOCK 27	RNG. OR SURVEY 16	COUNTY Kiowa	STATE Kansas				
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	FROM		25 Gel	Sperry Heiderschiff	DRLR	8		130
	M.			Danny Bunch	DKM	8		
TO	M.		10 Halls	Earl Davis	HLP	8		
	M.			3 Lime	Rayce Rowland	HLP	8	
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN		HOURS RUN				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		
REMARKS:-- Help Pump up Mix Mud Pump with Halls still in hole								

TOUR 2			FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
								REG.	O.T.	
FROM	M.	TO	M.	M.	312 Sand & Clay	Dwayne Chism	DRLR	8		105
						M. R. Jennings	DKM	8		
TO	M.	M.	M.	M.	7 Juts New 20" 8 5/8"	Danny Seuchais	HLP	8		
						Laverne Wilcox	HLP	8		
DEFLECTION		BITS RUN		HOURS RUN		CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION				
REMARKS:-- 5x5 1/2" 40T 30LCC 20% Gel Plug Encl 60" Down @ 1:30 pm By Hill. bit not tight. made hole 45' - 730 Mix Mud. same Pump 730 - 750. Drill & Set Rate. Jet Collar - Slope										

TOUR 3			FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
								REG.	O.T.	
FROM	M.	TO	M.	M.	312 STATE CORPORATION COMMISSION	Ronald Asman	DRLR	8		15
						Paul Schulowsky	DKM	8		
TO	M.	M.	M.	M.	APR 08 1991	Terry Larson	HLP	8		
						Todd Campbell	HLP	8		
DEFLECTION		BITS RUN		HOURS RUN		CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION				
REMARKS:-- 1100 - 1100 Delg Plug 28' Cont										

APPROVED BY FIELD SUPERINTENDENT

DATE 1-16-91

COMPANY *Jim Emerison* WELL NO. 1 LEASE *CLARK* RIG NO. 4

SECTION 311 TWP. OR BLOCK 27 RNG. OR SURVEY 16 COUNTY *KIOWA* STATE *KS.*

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	312	1010	Sand Shales	Jerry Hunderschait	DRLR	8		150
				Danny Bunch	DKM	8		
				Earl Davis	HLP	8		
				Poyce Rowland	HLP	8		
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN #2 HP-11		HOURS RUN 5 3/4				
CORE NOS.		SET NO. 7 3/8 H14600		CORE HEAD NO.		CORE NO. & DESCRIPTION 10:45-11:00 Only Clean		

REMARKS:—
 @342 11:20-5:00 Only 5:00-5:10 Jet #1 @ 848
 5:10-6:45 Only w/ 1/2 min. Clean Screen

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	1010	1626	Lime & Shale	Delwayne Chisum	DRLR	8		105
				Morris Jennings	DKM	8		
				Darwin Searchis	HLP	8		
				Lorraine Wilcox	HLP	8		
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN #20 HP-11		HOURS RUN 11 1/2		Fuel 55" 21:00 Cont.		
CORE NOS.		SET NO. 7 3/8 H14600		CORE HEAD NO.		CORE NO. & DESCRIPTION 10:45-7:15 Dely 7:15-7:25		

REMARKS:—
 9:55-10:10 Jet #1 @ 1255 10:10-12:40 Dely 12:40-1:00 Jet
 Clean Screen 1:00-2:30 Dely 2:30-2:40 Go thru Mud
 Pump 2:40-2:45 Dely

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	1620	1890	APR (18) 100' CONSERVATION Diana King's	Ronald Arman	DRLR	8		150
				Paul Schilansky	DKM	8		
				Terry Larson	HLP	8		
				T. L. Campbell	HLP	8		
HRS. RUN		HRS. LOST		REASON				
DEFLECTION		BITS RUN #3 Road HP-11		HOURS RUN 12:00				
CORE NOS.		SET NO. H14100		CORE HEAD NO.		CORE NO. & DESCRIPTION 3:00-3:10 Rig @ 1631		

REMARKS:—
 3:10-3:35 Dely 3:35-3:55 SLOPE Test
 3:50-4:35 Trip for bit #2, 4:35-5:55 Trip in hole w/ bit #3 & Wash
 out bridge @ 1350, 5:55-6:15 Brk Circ & Beam to bottom, 6:15-11:00 Dely
 w/ 10 min Jet #1 @ 1755 & 10 min
 7:40 @ 1818

APPROVED BY FIELD SUPERINTENDENT

DATE 7-17-91

COMPANY <i>Jim Emerson</i>			WELL NO. <i>1</i>	LEASE <i>Clark</i>	RIG NO. <i>4</i>											
SECTION <i>341</i>	TWP. OR BLOCK <i>27</i>	RNG. OR SURVEY <i>16</i>	COUNTY <i>KIOWA</i>	STATE <i>KS</i>												
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE								
						REG.	O.T.									
1	FROM	M.	TO	M.												
									HRS. RUN	HRS. LOST	REASON	BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION		
															DEFLECTION	CORE NO. & DESCRIPTION
REMARKS:—																

1570-2244 Lime & Shale Jerry Heiderschick DRLR 8 130
52 Gel Danny Busch DKM 8
1 1/2 SxL Ash Earl Davis HLP 8
3 Lignite Royce Rowland HLP 8
3 Caustic
#3 AT-11C 10 1/2
7 1/2 A28PT
10:45-11:25 Drlg
11:05-11:15 Rig @ 1911
11:15-3:30 Drlg 3:30-3:40 Jet #1 @ 2160 3:40-8:45 Drlg

TOUR			FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE								
								REG.	O.T.									
2	FROM	M.	TO	M.														
											HRS. RUN	HRS. LOST	REASON	BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION		
																	DEFLECTION	CORE NO. & DESCRIPTION
REMARKS:—																		

2244-2545 Lime & Shale DeWayne Chism DRLR 8 105
16 Gel 1/2 Soda Ash Morris Jennings DKM 8
1 1/2 Lignite 1 Caustic Dewey Seachais HLP 8
Laverne Wilcox HLP 8
#3 7 1/2 17 1/4
Fuel 4 1/2" 4 1/2 8 Gel
6:45-7:40 Drlg 740.800
HTC AT-11C A28PT Rig #2 @ 2280' 800-1155
Drlg 11:05-12:05 Jet #1 @ 2160 12:05-2:45 Drlg

APR 12 1991

TOUR			FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE								
								REG.	O.T.									
3	FROM	M.	TO	M.														
											HRS. RUN	HRS. LOST	REASON	BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION		
																	DEFLECTION	CORE NO. & DESCRIPTION
REMARKS:—																		

2545-2758 Lime & Shale Ronald Axman DRLR 8
48 Paul Schilowsky DKM 8
1 1/2 SxL Ash Terry Larson HLP 8 155
3 Caustic Todd Campbell HLP 8
#3 7 1/2 24 1/4
HTC AT-11C A28PT
2:45-3:20 Drlg 320-350 Rig @ 21
3:30-4:15 Drlg 4:15-4:30 Jet #1 @ 21
4:30-8:10 Drlg w/ 5 min. clean Pump Screen, 8:10-8:18 Jet #1 @ 21
8:18-11:00 Drlg

APPROVED BY FIELD SUPERINTENDENT

DAILY DRILLING REPORT 391

Note - Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 1-18-91

COMPANY <i>Jim Emerson</i>		WELL NO. <i>1</i>	LEASE <i>Clark</i>	RIG NO. <i>4</i>
SECTION <i>34</i>	TWP. OR BLOCK <i>27</i>	RNG. OR SURVEY <i>16</i>	COUNTY <i>Kiowa</i>	STATE <i>Ks.</i>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE				
						REG.	O.T.					
1	2758	2948	Lime + Shale	Jerry Heiderschitt	DRLR	8		130				
									Danny Bunch	DKM	8	
									Earl Davis	HLP	8	
									Royce Rowland	HLP	8	
HRS. RUN			HRS. LOST			REASON						
DEFLECTION			BITS RUN #3 ATJ-1K		HOURS RUN 31 1/4							
CORE NOS.			SET NO. 7 7/8 A28PT		CORE HEAD NO.		CORE NO. & DESCRIPTION 10:45-11:45 Drlg 11:45-12:00 Rig @ 2780 - Set #1					

REMARKS: 12:00 - 2:00 Drlg 2:00 - 2:35 Jet #2 @ 2842
 2:35 - 6:05 Drlg 6:05 - 6:15 Jet #1 6:15 - 6:45 Drlg

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE				
						REG.	O.T.					
2	2948	3161	Lime & Shale	DeWayne Chism	DRLR	8		105				
									MORRIS Jennings	DKM	8	
									Danny Seachris	HLP	8	
									Laverne Wilcox	HLP	8	
HRS. RUN			HRS. LOST			REASON						
DEFLECTION			BITS RUN #3 7 7/8"		HOURS RUN 38 1/2		Fuel 37" 468 gal					
CORE NOS.			SET NO. HTC ATJ-11C A28PT		CORE HEAD NO.		CORE NO. & DESCRIPTION 6:45-7:20 Drlg 7:20-7:30 Rig @ 2968 7:30-8:15 Drlg					

REMARKS: 8:15 - 8:25 Jet #1 @ 3031' 8:25 - 1:35 Drlg 2:35 - 2:45 Jet #2 @ 3121

RECEIVED
 STATE CORPORATION COMMISSION

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE				
						REG.	O.T.					
3	3189	3365	Lime + Shale	Ronald Axman	DRLR	8		155				
									M. Schilowsky	DKM	8	
									Terry Larson	HLP	8	
									Todd Campbell	HLP	8	
HRS. RUN			HRS. LOST			REASON						
DEFLECTION			BITS RUN #3 7 7/8"		HOURS RUN 44 1/4							
CORE NOS.			SET NO. HTC ATJ-11C A28PT		CORE HEAD NO.		CORE NO. & DESCRIPTION 2:45-3:45 Drlg, 3:45-4:00 Rig @ 3220 + Clean Pump Screen					

REMARKS: 4:45 Drlg, 4:55-5:00 Jet #1 @ 3252, 5:00-6:53 Drlg, 6:53-7:01 Jet #2 @ 3314
 7:10 - 9:10 Drlg - Add 40 bbls hole flush after each jet
 9:10 - 10:00 Pump belt + Phone
 10:00 - 10:45 SLOPE TEST & Trip out
 of hole

APPROVED BY FIELD SUPERINTENDENT

DAILY DRILLING REPORT ORIGINAL 391

Note: Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 1-19-91

COMPANY Jim Emerson		WELL NO. 1	LEASE Clark	RIG NO. 9
SECTION 34	TWP. OR BLOCK 27	RNG. OR SURVEY 16	COUNTY Kiowa	STATE Ks

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	3365	3451	Lime & Shale	Jerry Heiderschrit	DRLR	8		130
	M.			Danny Bunch	DKM	8		
	TO		20 gal	Earl Davis	HLP	8		
	M.		1/2 Soda Ash	Royce Rowland	HLP	8		
HRS. RUN			HRS. LOST	REASON				
DEFLECTION			BITS RUN 3	HOURS RUN 47 3/4				
CORE NOS.			SET NO. 0 1/2 ADAPT	CORE HEAD NO.	CORE NO. & DESCRIPTION 10:45-11:50 T.O.H. w/Bit 11:50-2:50 Chge out Pump Belt			
REMARKS: Tip in w/Bit #2 2:50-4:45 Drlg 4:45-4:55 Jet #1 @ 3409 4:55-6:00 Drlg 6:00-6:00 Clean Screen 6:00-6:45 Drlg								

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	3451	3680	Lime & Shale	Delwayne Chism	DRLR	8		105
	M.		14 gal	MORRIS Jennings	DKM	8		
	TO		5ignite	Danny Seachris	HLP	8		
	M.		2 Soda Ash	Laverne Wilcox	HLP	8		
HRS. RUN			HRS. LOST	REASON				
DEFLECTION			BITS RUN 3	HOURS RUN 53 1/4	Fuel 52 1/2" 442 Gal			
CORE NOS.			SET NO. ATC ATJ-11C A28PT	CORE HEAD NO.	CORE NO. & DESCRIPTION 6:45-7:25 Drlg 7:25-7:35 Rig @ 3471 7:35-8:40 Drlg			
REMARKS: 3:40-4:40 Jet #1 & 2 Pits & Clean Out Suction 4/ Displacement 4:40-2:45 Drlg w/ 1/4 hr Jet & Clean Screen								

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	3680	3897	Lime & Shale	Ronald Arman	DRLR	8		
	M.			Paul Schilowsky	DKM	8		155
	TO			Terry Larson	HLP	8		
	M.			* DelWayne Chism	HLP	8	*	
HRS. RUN			HRS. LOST	REASON				
DEFLECTION			BITS RUN 3	HOURS RUN 7 1/2	RECEIVED			
CORE NOS.			SET NO. ATC ATJ-11C A28PT	CORE HEAD NO.	CORE NO. & DESCRIPTION 2:5-2:55 Drlg, 2:55-3:05 Rig @ 3688, 305- Drlg			
REMARKS: APR 18 1991								

CONSERVATION DIVISION
Wichita, Kansas
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ORIGINAL
DAILY DRILLING REPORT 391

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE **1-20-91**

COMPANY		WELL NO.	LEASE	RIG NO.
SECTION		TWP. OR BLOCK	RNG. OR SURVEY	COUNTY
TOUR		FROM	TO	FORMATION
EMPLOYEE		OCCUPATION	HOURS REG.	O.T.
RATE				

COMPANY: *...* WELL NO.: **1** LEASE: **Clark** RIG NO.: **4**
 SECTION: **34** TWP. OR BLOCK: **27** RNG. OR SURVEY: **16** COUNTY: **...** STATE: **Ks**
 TOUR: **1** FROM: **1997** TO: **4/2/2** FORMATION: **Lime & Shale**
 EMPLOYEE: **Joey Hiderschell** OCCUPATION: **DRLR** HOURS REG.: **8** O.T.: RATE: **130**
 FROM: **M.** **22 gal 2 Caustic** EMPLOYEE: **Lonny Bunch** OCCUPATION: **DKM** HOURS REG.: **8** O.T.: RATE:
 TO: **M.** **2 Lignite** EMPLOYEE: **Earl Davis** OCCUPATION: **HLP** HOURS REG.: **8** O.T.: RATE:
 TO: **M.** **1 Soda Isl** EMPLOYEE: **Royce Roland** OCCUPATION: **HLP** HOURS REG.: **8** O.T.: RATE:
 HRS. RUN: HRS. LOST: REASON:
 DEFLECTION: BITS RUN: **7 1/2 ATJ-11C** HOURS RUN: **6 1/2**
 CORE NOS.: **7 1/2** SET NO.: **ADAPT** CORE HEAD NO.:
 CORE NO. & DESCRIPTION: **10-45-1105 Dalg**
1105-1115 Rg @ 3905
 REMARKS: **11.15 10.45 Dalg**

TOUR		FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS REG.	O.T.	RATE
FROM									
M.									
TO									
M.									
HRS. RUN		HRS. LOST		REASON					
DEFLECTION		BITS RUN		HOURS RUN					
CORE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION			

TOUR: **2** FROM: **4062** TO: **4235** FORMATION: **Lime & Shale**
 EMPLOYEE: **Delwayne Chism** OCCUPATION: **DRLR** HOURS REG.: **8** O.T.: RATE: **105**
 FROM: **M.** EMPLOYEE: **Morris Jennings** OCCUPATION: **DKM** HOURS REG.: **8** O.T.: RATE:
 TO: **M.** EMPLOYEE: **Dinny Seachuck** OCCUPATION: **HLP** HOURS REG.: **8** O.T.: RATE:
 TO: **M.** EMPLOYEE: **Louane Wilcox** OCCUPATION: **HLP** HOURS REG.: **8** O.T.: RATE:
 HRS. RUN: HRS. LOST: REASON:
 DEFLECTION: BITS RUN: **3 7/8** HOURS RUN: **7 1/2**
 CORE NOS.: **4062** SET NO.: **ATJ-11C** CORE HEAD NO.: **A28F**
 CORE NO. & DESCRIPTION: **645-745 Dalg**
745-735 Rg @ 4090' 755-745 Dalg

TOUR		FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS REG.	O.T.	RATE
FROM									
M.									
TO									
M.									
HRS. RUN		HRS. LOST		REASON					
DEFLECTION		BITS RUN		HOURS RUN					
CORE NOS.		SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION			

TOUR: **3** FROM: **4235** TO: **4380** FORMATION: **Lime & Shale**
 EMPLOYEE: **Kennell Axman** OCCUPATION: **DRLR** HOURS REG.: **8** O.T.: RATE:
 FROM: **M.** **2 Manpac 2 Caustic** EMPLOYEE: **Paul Schilowsky** OCCUPATION: **DKM** HOURS REG.: **8** O.T.: RATE:
 TO: **M.** **2 Lignite 10 Gel** EMPLOYEE: **Terry Larson** OCCUPATION: **HLP** HOURS REG.: **8** O.T.: RATE: **15**
 TO: **M.** EMPLOYEE: **Rod Cory** OCCUPATION: **HLP** HOURS REG.: **8** O.T.: RATE:
 HRS. RUN: HRS. LOST: REASON:
 DEFLECTION: BITS RUN: **#3 7 3/4** HOURS RUN: **4 3/4**
 CORE NOS.: **HTC** SET NO.: **ATJ-11C** CORE HEAD NO.: **A28PT**
 CORE NO. & DESCRIPTION: **245-305 Dalg**
308-328 Rg / 4
322-328 Dalg

STATE CORPORATION COMMISSION

APR 08 1991

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CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL
DAILY DRILLING REPORT 391

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 1-21-91

COMPANY Energy		WELL NO. 1	LEASE Clark	RIG NO. 4
SECTION 34	TWP. OR BLOCK 27	RNG. OR SURVEY 16	COUNTY Keweenaw	STATE KS

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
1	4380	4484	Lime & Shale	Jersey Heiderschick	DRLR	8		130
				Danny Bunch	DKM	8		
				Earl Davis	HLP	8		
				Rayce Rowland	HLP	8		
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN #3 ATT-1K	HOURS RUN 90 1/2	CORE NO. & DESCRIPTION 10:45-11:15 Drlg				
CONE NOS.		SET NO. 7 1/4 A28PT	CORE HEAD NO.	11:15-11:30 Rg 1 @ 4481				
REMARKS:- 11:30-5:15 Drlg 5:15-5:25 Jet #1 @ 4464 5:25-6:45 Drlg								

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
2	4484	4580	Lime & Shale	Delwayne Chism	DRLR	8		105
				Morris Jennings	DKM	8		
				* Jersey Heiderschick	HLP	8	*	
				Louann W. Beck	HLP	8		
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN #3 7 1/4"	HOURS RUN 97 3/4	Fuel 33 1/2" 520 gal				
CONE NOS.		SET NO. HTC ATT-1K A28PT	CORE HEAD NO.	CORE NO. & DESCRIPTION 10:45-7:30 Drlg 7:30-7:40 Rg 1 @ 4495' 7:40-1:55 Drlg				
REMARKS:- 1:55-2:45 Short Trip 15 strands @ 4580								

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
3	4580	4682	Lime & Shale	Ronald Axman	DRLR	8		155
				Paul Schilowsky	DKM	8		
				Terry Larson	HLP	8		
				Todd Campbell	HLP	8		
HRS. RUN		HRS. LOST	REASON	APR 09 1991				
DEFLECTION		BITS RUN #3 7 7/8	HOURS RUN 102 1/4	CONSERVATION DIVISION Wichita, Kansas				
CONE NOS.		SET NO. HTC ATT-1K A28PT	CORE HEAD NO.	CORE NO. & DESCRIPTION 2:45-3:45 COND. hole @ 4580				
REMARKS:- 4:50-8:42 Drlg 8:42-10:15 CFS 4682 10:15-10:52 SLOPE TEST								
10:32-10:55 Strip out of hole & Log								

APPROVED BY FIELD SUPERINTENDENT

ORIGINAL
DAILY DRILLING REPORT 391

Note—Report all defects in machinery, coring, slope tests and injuries under Remarks

DATE 1-22-91

COMPANY Jim Emerson		WELL NO. 1	LEASE Clark	RIG NO. 4
SECTION 211	TWP. OR BLOCK 25	RNG. OR SURVEY 16	COUNTY K. IOWA	STATE KS.

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE	
						REG.	O.T.		
1	4651		Surf @ 4652 10'	JERRY Heidersheit	DRLR	8		130	
				Danny Bunch	DKM	8			
				Earl Davis	HLP	8			
				Royce Roland	HLP	8			
HRS. RUN			HRS. LOST			REASON			
DEFLECTION			BITS RUN		HOURS RUN				
CONE NOS.			SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		
REMARKS: R ₂ 42 logs & Logging 5:30-6:45 IN w/Bit 10:45-12:40 Out w/Bit + 12:40-5:30 Jet Cella 3:30-6:45 IN w/Bit									

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE	
						REG.	O.T.		
2	4652		F ₂ 114 Ints *105 4 1/2'	Dwayne Chism	DRLR	8		105	
				Markis Jennings	DKM	8			
				Dwain Seachrist	HLP	8			
				Wesley Wilcox	HLP	8			
HRS. RUN			HRS. LOST			REASON			
DEFLECTION			BITS RUN		HOURS RUN				
CONE NOS.			SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		
REMARKS: Casing 840-1200 Lay Down Drill Pipe & Collars 1200' 1255 Rig up to Run Casing & Do Cella Work 1255- 230 Run 4 1/2" Casing 230-2:45 Hook up Cementers & Cise. Fuel 25" 442 Gal 645-725 In Hole w/Bit #3 725-840 Casing To Clean Hole & Tally									

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE	
						REG.	O.T.		
3			Surf w/ 1255'	Paul G. Smith	DRLR	8		105	
				Bill Schindler	DKM	8			
				Bill Sumrell	HLP	8			
				Bill Gentry	HLP	8			
HRS. RUN			HRS. LOST			REASON			
DEFLECTION			BITS RUN		HOURS RUN				
CONE NOS.			SET NO.		CORE HEAD NO.		CORE NO. & DESCRIPTION		
REMARKS: Turn down rig, set pipe, drill well									

RECEIVED STATE CORPORATION COMMISSION

APR 02 1991

APPROVED BY FIELD SUPERINTENDENT

CONSERVATION DIVISION Wichita, Kansas