

# 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.

License: 5929

Wellsite Geologist: None

**Designate Type of Completion**

New Well     Re-Entry     Workover     Temp. Abandoned  
 Oil             SWD             Inj             Delayed Comp.  
 Gas             Other (Core, Water Supply, etc.)  
 Dry

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

**Drilling Method:**

Mud Rotary     Air Rotary     Cable

11-16-90    11-25-90    1-7-91  
 Spud Date    Date Reached TD    Completion Date

API NO. 15- 151-22009-00-00

County Pratt

NW NW NW Sec. 30 Twp. 28 Rge. 15  East  West

4950  Ft. North from Southeast Corner of Section

4950  Ft. West from Southeast Corner of Section  
 (NOTE: Locate well in section plat below.)

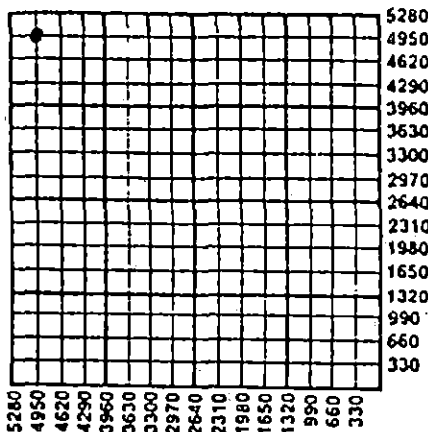
Lease Name Smith Well # 2

Field Name Wellsford

Producing Formation Mississippian

Elevation: Ground 2116 KB 2121

Total Depth 4735 PBD 4724



Amount of Surface Pipe Set and Cemented at 330 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.

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MAR 15 1991  
03-1591  
CONSERVATION DIVISION

**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.

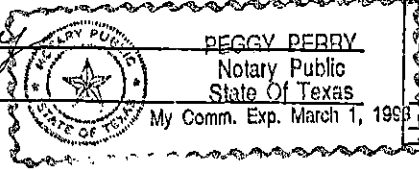
Signature Jim Emerson

Title \_\_\_\_\_ Date 3-13-91

Subscribed and sworn to before me this 13th day of March, 1991.

Notary Public Peggy Perry

Date Commission Expires 3-1-93



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"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

P1

SIDE TWO

1110.00

Operator Name Jim Emerson Lease Name Smith Well # 2

Sec. 30 Twp. 28 Rge. 15  
 East  
 West  
 County Pratt

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description  <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample  Name                      Top                      Bottom  Heebner                      4004  Lansing                      4150  Cherokee Shale                      4631  Mississippian                      4653
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**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#	330	60/40 Poz	190	2%gel 3% CC
Production	7-7/8	4 1/2	10.5#	4734	Thixotrop	125	20 bbls salt fl

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4664-4700	Acid 3600 gal 15%	4664-4700
		Frac: 12000# 100 mesh	
		34000# 20-40	
		86000# 12-20 Sand	

<b>TUBING RECORD</b>	Size 2 3/8	Set At 4650	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production 1-7-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil 8 Bbls.	Gas 12 Mcf	Water 25 Bbls.	Gas-Oil Ratio 1500:1	Gravity 37
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Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Conmingled  
 Other (Specify) \_\_\_\_\_

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC. N<sup>o</sup> 9172**

Home Office P. O. Box 31

Russell, Kansas 67665

Date	11-16-90	Sec.	30	Twp.	28	Range	15	Called Out	11:00 P.M.	On Location	3:00 P.M.	Job Start	4:15 P.M.	Finish	4:50 P.M.
Lease	Smith	Well No.	#2	Location				Culloway	County	Wright	State	KS			

Contractor		Hoke Rig #1	
Type Job		Surface	
Hole Size	12 1/4"	T.D.	336'
Csg.	8 7/8"	Depth	335'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Press Max.		Minimum	
Meas Line	✓	Displace	21 bbl.
Perf.			

**EQUIPMENT**

No.	Cementer	Tim
Pumptrk #3	Helper	Gary
No.	Cementer	
Pumptrk #4	Helper	
	Driver	TANCY
Bulktrk #5	Driver	

**DEPTH of Job**

Reference:	Pumptrk Charge	
	Pumptrk Mileage	
1	5 7/8 Woodcock Plug	
	Sub Total	
	Tax	
	Total	

Remarks: Ran 335 of 8 7/8 csg. Mixed  
 IT csg. 10 3/4. Pumped Plug  
 to 330 with fresh water.  
 Cement lid circled.  
 As a cementer...  
 5

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

Charge To: [Signature]  
 Street: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_  
 The above was done to satisfaction and supervision of owner agent or  
 contractor.  
 Purchase Order No. \_\_\_\_\_  
 X \_\_\_\_\_  
**CEMENT**

Amount Ordered: [Signature]  
 Consisting of: [Signature]  
 Common: STATE COURT CLERK'S COMMISSION  
 Poz. Mix: \_\_\_\_\_  
 Gel: MAR 15 1991  
 Chloride: \_\_\_\_\_  
 Quickset: CONSERVATION DIVISION  
 Wichita, Kansas

Sales Tax: \_\_\_\_\_  
 Handling: \_\_\_\_\_  
 Mileage: \_\_\_\_\_  
 Sub Total: \_\_\_\_\_  
 Total: \_\_\_\_\_

Floating Equipment: \_\_\_\_\_



# HALLIBURTON SERVICES

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

INVOICE

A Halliburton Company

INVOICE NO.	DATE
040860	11/25/1990

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
SMITH 1	PRATT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	DUKE DRUG	CEMENT PRODUCTION CASING	11/25/1990		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
274133	ELI HAMMERSCHMIDT			COMPANY TRUCK	05808

RECEIVED  
STATE CORPORATION COMMISSION

DIRECT CORRESPONDENCE TO:

EMERSON OIL & GAS  
3108 NATALIE  
PLANO, TX 75074

MAR 15 1991

SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

CONSERVATION DIVISION  
MILWAUKEE

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	24	MI	2.35	56.40
		1	UNT		
000-118	MILEAGE SURCHARGE-CEMENT-LAND	24	MI	.40	9.60
		1	UNT		
001-016	CEMENTING CASING	4741	FT	1,260.00	1,260.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4.5	IN	32.00	32.00 *
		1	EA		
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00 *
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50 *
815.19111					
40	CENTRALIZER 4-1/2" MODEL S-4	4	EA	41.00	164.00 *
807.93004					
509-968	SALT	400	LB	.10	40.00
018-317	SUPER FLUSH	12	SK	74.00	888.00
504-308	STANDARD CEMENT	125	SK	5.35	668.75 *
507-777	HALLIBURTON-GEL BENTONITE	2	SK	13.75	27.50 *
504-712	GILSONITE, SACKED	1000	LB	.42	420.00
507-210	FLOCELE	63	LB	1.30	81.90 *
508-127	CAL SEAL	6	SK	19.70	118.20 *
500-307	MILEAGE SURCHARGE-CEMENT MAT.	116	TMI	.10	11.60
500-207	BULK SERVICE CHARGE	162	CFT	1.10	178.20 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	116	TMI	.75	87.00 *
	INVOICE SUBTOTAL				4,143.65
	DISCOUNT (BID)				745.82
	INVOICE BID AMOUNT				3,397.83
	*-KANSAS STATE SALES TAX				50.82
	***** CONTINUED ON NEXT PAGE *****				

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 2% OF THE AMOUNT OF THE UNPAID ACCOUNT.

ORIGINAL DAILY DRILLING REPORT 391

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

DATE 11-11-01

COMPANY <b>T.M. EMERSON</b>		WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>				
SECTION <b>111</b>	TWP. OR BLOCK <b>28</b>	RNG. OR SURVEY <b>25</b>	COUNTY <b>RR</b>	STATE <b>KS</b>				
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>				<b>LOAN</b>	<b>DRLR</b>	<b>133</b>	<b>PT</b>	
				<b>BEAL</b>	<b>DKM</b>			
				<b>TELL</b>	<b>HLP</b>			
				<b>HOWARD</b>	<b>HLP</b>			
HRS. RUN		HRS. LOST	REASON <b>1 1/2 GEL</b>					
DEFLECTION		BITS RUN	HOURS RUN					
CORE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

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STATE COMMISSION

REMARKS:—  
**REG UP**

MAR 15 1901

TOUR <b>2</b>		FROM <b>0</b>	TO <b>336</b>	FORMATION <b>0.411 →</b>	EMPLOYEE <b>Charles M. L.</b>	OCCU-PATION <b>DRLR</b>	HOURS REG. O.T.	RATE
FROM					<b>Don Gandy</b>	<b>DKM</b>		
M.					<b>Frank Sweeney</b>	<b>HLP</b>		
TO					<b>Frank Sweeney</b>	<b>HLP</b>		
M.								
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CORE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:—  
 7:00 AM 11:30 AM 11:30 AM 11:30 AM 3:00 PM  
 Rotate & 12" Surface Hole

TOUR <b>3</b>		FROM <b>328.14</b>	TO <b>335.14</b>	FORMATION <b>2P 4 1/2 in</b>	EMPLOYEE <b>Charles M. L.</b>	OCCU-PATION <b>DRLR</b>	HOURS REG. O.T.	RATE
FROM					<b>Ernest Payne</b>	<b>DKM</b>		
M.					<b>Jack Payne</b>	<b>HLP</b>		
TO					<b>Don Gandy</b>	<b>HLP</b>		
M.								
HRS. RUN		HRS. LOST	REASON <b>no plug DOWN 4.50 plug</b>					
DEFLECTION		BITS RUN	HOURS RUN					
CORE NOS.		SET NO. <b>235</b>	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:—  
 12:00 PM 12:00 PM 4:00 PM 3:00 PM 4:00 PM  
 4 5/8" pipe 4 5/8" pipe 4 5/8" pipe 4 5/8" pipe 4 5/8" pipe  
 4 5/8" pipe 4 5/8" pipe 4 5/8" pipe 4 5/8" pipe 4 5/8" pipe

APPROVED BY FIELD SUPERINTENDENT

ORIGINAL

DATE 11-17-90

COMPANY <b>TIM EMERSON</b>			WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>
SECTION <b>30</b>	TWP. OR BLOCK <b>28</b>	RNG. OR SURVEY <b>15</b>	COUNTY <b>PR</b>	STATE <b>KS</b>	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	FROM	M.		<b>GARY REEVES</b>	<b>DRLR</b>	<b>133</b>	<b>AT</b>	
				<b>BILL DEAN</b>	<b>DKM</b>			
				<b>JEAN CRAIN</b>	<b>HLP</b>			
				<b>HOWARD BASINS</b>	<b>HLP</b>			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>1-126</b>		HOURS RUN <b>3 1/2</b>		CORE NO. & DESCRIPTION		
CONE NOS.		SET NO. <b>1</b>		CORE HEAD NO.				

REMARKS:  
 11:00-11:50 W.O.E. 11:50-12:00 ...  
 -CEM 12:50-4:57 DRLR 4157. ...

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>	FROM	M.		<b>...</b>	<b>DRLR</b>	<b>20</b>		
				<b>...</b>	<b>DKM</b>			
				<b>...</b>	<b>HLP</b>			
				<b>...</b>	<b>HLP</b>			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>6-26-5114/11-11</b>		HOURS RUN		CORE NO. & DESCRIPTION		
CONE NOS.		SET NO. <b>1</b>		CORE HEAD NO.				

REMARKS:  
 ...  
 ...  
 ...

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCUPATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	FROM	M.		<b>...</b>	<b>DRLR</b>	<b>40</b>		
				<b>...</b>	<b>DKM</b>			
				<b>...</b>	<b>HLP</b>			
				<b>...</b>	<b>HLP</b>			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>51HF</b>		HOURS RUN <b>8</b>		CORE NO. & DESCRIPTION		
CONE NOS.		SET NO. <b>2</b>		CORE HEAD NO.				

REMARKS:  
 ...  
 ...

APPROVED BY FIELD SUPERINTENDENT

ORIGINAL

DATE 11-18-90

COMPANY <b>JEM EMERSON</b>		WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>
SECTION <b>303</b>	TWP. OR BLOCK <b>208</b>	RNG. OR SURVEY <b>1A5</b>	COUNTY <b>PR.</b>	STATE <b>K'S</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>		<b>10:25</b>	<b>2:30</b>	<b>SMILEY LIME</b>	<b>GARY REEVES</b>	<b>DRLR</b>	<b>133</b>	<b>AT</b>
	M.			<b>BILL DEAN</b>	<b>DKM</b>			
	TO			<b>JOHN CAEN</b>	<b>HLP</b>	<b>40</b>	<b>GEL</b>	
	M.			<b>HOWARD BANNS</b>	<b>HLP</b>	<b>2</b>	<b>CAUSTIC</b>	
HRS. RUN	HRS. LOST	REASON				<b>2.3</b>	<b>ASH</b>	
DEFLECTION		BITS RUN <b>51NF</b>	HOURS RUN <b>15</b>	CORE NO. & DESCRIPTION		<b>2</b>	<b>ALUMINITE</b>	
CONE NOS. <b>N51981</b>		SET NO. <b>2</b>	CORE HEAD NO.					

REMARKS: 11-05-1110 REGV 11-10-7-00 DRLLG

JEM #1110 9954-3148

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>		<b>2:30</b>	<b>2:35</b>	<b>shale bed top</b>	<b>Larry Curtis</b>	<b>DRLR</b>		
	M.			<b>Lion Candy</b>	<b>DKM</b>			
	TO			<b>Frank Robinson</b>	<b>HLP</b>			
	M.			<b>Frederick Sammons</b>	<b>HLP</b>			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>51NF</b>	HOURS RUN <b>7:00</b>	CORE NO. & DESCRIPTION				
CONE NOS. <b>551711</b>		SET NO. <b>2</b>	CORE HEAD NO.					

REMARKS: Pumping in shaft back

11-18-90 4-736-7372

To 11-18-90

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>				<b>Curtis Hill</b>	<b>DRLR</b>			
	M.			<b>Foran Payne</b>	<b>DKM</b>			
	TO			<b>Jack Patton</b>	<b>HLP</b>			
	M.			<b>Vincent Dougherty</b>	<b>HLP</b>			
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN	HOURS RUN	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO.	CORE HEAD NO.					

REMARKS: Full into surface pipe & prepare to remove Broken Pump Shaft

APPROVED BY FIELD SUPERINTENDENT

# ORIGINAL DAILY DRILLING REPORT 391

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

DATE 11-30-90

COMPANY J.M. Empresson		WELL NO. 2	LEASE SMITH	RIG NO.
SECTION 10	TWP. OR BLOCK 28	RNG. OR SURVEY 15	COUNTY Pott	STATE KS

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1					DRLR			
					DKM			
					HLP			
					HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
2			shale & lime	Larry Curtis	DRLR			
				Don Gandy	DKM	20	71	
				Frank Sevier	HLP			
				Francis Sevier	HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN 5111	HOURS RUN 22 1/2					
CONE NOS. 10985		SET NO. 2	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

11-30-90 Work on K-4 on 11-19-90 2:00 PM

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
3			shale - lime	Curtis Uhl	DRLR			
				Ford Payne	DKM			
				Jack Patton	HLP			
					HLP			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN 5111	HOURS RUN 29 1/2					
CONE NOS. 10981		SET NO. 2	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

11-30-90

APPROVED BY FIELD SUPERINTENDENT



ORIGINAL

DATE 11-21-90

COMPANY <b>JIM EMERSON</b>		WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>
SECTION <b>30</b>	TWP. OR BLOCK <b>28</b>	RNG. OR SURVEY <b>15</b>	COUNTY <b>PR</b>	STATE <b>KS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>			<b>LEME</b>	<b>GARY REEVES</b>	<b>DRLR</b>	<b>133</b>	<b>AT</b>	
	FROM			<b>BILL DEAN</b>	<b>DKM</b>			
	M.			<b>JOHN BAEN</b>	<b>HLP</b>			
	TO			<b>HOWARD BANKS</b>	<b>HLP</b>			
M.								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>51HF</b>	HOURS RUN <b>33</b>	CORE NO. & DESCRIPTION				
CONE NOS. <b>X51981</b>		SET NO. <b>2</b>	CORE HEAD NO.					

REMARKS: 11:00-11:32 DRLG 11:32-12:32 REGY-PULL 5 STDS-NEW SEAT IN PUMP 12:32-2:02 DRLG 2:02-4:55 TRIP W/INGGED BIT @ 2788 + SET #2 + PUMP SET #1 @ 2784 4:55-7:00 DRLG

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>			<b>lime</b>	<b>LARRY GORTON</b>	<b>DRLR</b>	<b>70</b>	<b>11</b>	
	FROM			<b>DAN GOWDY</b>	<b>DKM</b>			
	M.			<b>FRANK SOMMERSON</b>	<b>HLP</b>			
	TO			<b>FRANK SOMMERSON</b>	<b>HLP</b>			
M.								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>51HF</b>	HOURS RUN <b>39 1/4</b>	CORE NO. & DESCRIPTION				
CONE NOS. <b>N51781</b>		SET NO. <b>2</b>	CORE HEAD NO.					

REMARKS: 10:15-10:45 REGY 10:45-11:00 DRLG

1-1-10-2790 2-1-10-2792 Distance 2983

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>			<b>lime</b>	<b>CURTIS WALKER</b>	<b>DRLR</b>			
	FROM			<b>FORAN PAYNE</b>	<b>DKM</b>			
	M.			<b>JOCK PATTON</b>	<b>HLP</b>			
	TO			<b>ROBERT SETTERBERG</b>	<b>HLP</b>			
M.								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>51HF</b>	HOURS RUN <b>46 3/4</b>	CORE NO. & DESCRIPTION				
CONE NOS.		SET NO. <b>2</b>	CORE HEAD NO.					

REMARKS: 3:00 to 11:00 Drlg

APPROVED BY FIELD SUPERINTENDENT

# ORIGINAL DAILY DRILLING REPORT 391

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

DATE *11-22-90*

COMPANY <b>JIM EMERSON</b>			WELL NO. <b>2</b>		LEASE <b>SMITH</b>		RIG NO. <b>1</b>
SECTION <b>3D</b>	TWP. OR BLOCK <b>28</b>	RNG. OR SURVEY <b>15-</b>	COUNTY <b>PR</b>			STATE <b>KS</b>	

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE									
						REG.	O.T.										
<b>1</b>	<b>3303</b>	<b>3410</b>	<b>LIME</b>	<b>GARY REEVES</b>	<b>DRLR</b>	<b>13.3</b>	<b>PT</b>										
				<b>BILL DEAN</b>	<b>DKM</b>												
				<b>HOWARD BANKS</b>	<b>HLP</b>	<b>1</b>	<b>CAUSTIC</b>										
HRS. RUN						HRS. LOST						REASON					
DEFLECTION						BITS RUN <b>51 HF</b>			HOURS RUN <b>53 1/2</b>			CORE NO. & DESCRIPTION					
CONE NOS. <b>N51981</b>						SET NO. <b>2</b>			CORE HEAD NO.								

REMARKS: **7:00-11:30 DRLG 11:32-11:56 NEW SEALS VALVE IN PUMP + RCD CLOSED**  
**11:56-12:10 DRLG 12:10-12:20 REGV 12:21-1:00 DRLG**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE									
						REG.	O.T.										
<b>2</b>	<b>3410</b>	<b>3555</b>	<i>lim</i>	<i>Bill Dean</i>	<b>DRLR</b>												
				<i>Howard Banks</i>	<b>DKM</b>	<b>6</b>											
				<i>Robert Serrano</i>	<b>HLP</b>												
HRS. RUN						HRS. LOST						REASON					
DEFLECTION						BITS RUN <b>51 HF</b>			HOURS RUN <b>60</b>			CORE NO. & DESCRIPTION					
CONE NOS. <b>N51971</b>						SET NO. <b>2</b>			CORE HEAD NO.								

REMARKS: **7:00-8:00 DRLG 8:00-8:15 REGV 8:15-8:30 DRLG 8:30-8:45 REGV 8:45-9:00 DRLG**  
**9:00-9:15 DRLG 9:15-9:30 REGV 9:30-9:45 DRLG 9:45-10:00 REGV 10:00-10:15 DRLG 10:15-10:30 REGV 10:30-10:45 DRLG 10:45-11:00 REGV 11:00-11:15 DRLG 11:15-11:30 REGV 11:30-11:45 DRLG 11:45-12:00 REGV**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE									
						REG.	O.T.										
<b>3</b>	<b>3555</b>	<b>3795</b>	<b>LIME</b>	<b>Charles Miller</b>	<b>DRLR</b>												
				<b>Faron Payne</b>	<b>DKM</b>												
				<b>Jack Patton</b>	<b>HLP</b>												
HRS. RUN						HRS. LOST						REASON					
DEFLECTION						BITS RUN <b>51 HF</b>			HOURS RUN <b>6 1/4</b>			CORE NO. & DESCRIPTION					
CONE NOS. <b>N51981</b>						SET NO. <b>2</b>			CORE HEAD NO.								

REMARKS: **3:00 TO 11:00**

APPROVED BY FIELD SUPERINTENDENT  
*ADD to Frank Perna*

DATE 11-23-90

COMPANY <b>JEM EMERSON</b>			WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>			
SECTION <b>36</b>	TWP. OR BLOCK <b>38</b>	RNG. OR SURVEY <b>15</b>	COUNTY <b>PR</b>	STATE <b>KS</b>				
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>			<b>LIME</b>	<b>GARY REEVES</b>	<b>DRLR</b>	<b>13</b>	<b>30</b>	
				<b>BILL DEAN</b>	<b>DKM</b>	<b>18</b>	<b>6</b>	<b>6</b>
				<b>JOHN CAEN</b>	<b>HLP</b>	<b>1</b>		<b>CAUSTIC</b>
				<b>HOWARD BANKS</b>	<b>HLP</b>	<b>1</b>		<b>LEGNET</b>
HRS. RUN	HRS. LOST	REASON						
DEFLECTION		BITS RUN <b>51 HF</b>	HOURS RUN <b>71 1/2</b>					
CORE NOS. <b>N51981</b>		SET NO. <b>2</b>	CORE HEAD NO.	CORE NO. & DESCRIPTION <b>1/2 TANK IN SYSTEM</b>				

REMARKS: 11:05-11:30 DRILL 11:30-11:45 RIG V + SET #1 11:45-7:00 DRILL

TOUR			FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
<b>2</b>			<b>4070</b>	<b>4170</b>	<b>LIME</b>	<b>Larry Coates</b>	<b>DRLR</b>	<b>14</b>	<b>9</b>	<b>1</b>
FROM						<b>Dave Gandy</b>	<b>DKM</b>	<b>1</b>		<b>1000</b>
M.						<b>Frank D... ..</b>	<b>HLP</b>	<b>1</b>		<b>1000</b>
TO						<b>James ... ..</b>	<b>HLP</b>	<b>1</b>		<b>1000</b>
M.										
HRS. RUN	HRS. LOST	REASON								
DEFLECTION		BITS RUN <b>51 HF</b>	HOURS RUN <b>81 1/2</b>							
CORE NOS. <b>N51981</b>		SET NO. <b>2</b>	CORE HEAD NO.	CORE NO. & DESCRIPTION <b>1 TANK IN SYSTEM</b>						

REMARKS: 11:05-11:30 DRILL 11:30-11:45 RIG V + SET #1 11:45-7:00 DRILL

TOUR			FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
<b>3</b>			<b>4170</b>	<b>4322</b>	<b>LIME</b>	<b>Curtis GHL</b>	<b>DRLR</b>	<b>12</b>	<b>30</b>	<b>1</b>
FROM						<b>Faron Payne</b>	<b>DKM</b>	<b>1</b>		<b>1000</b>
M.						<b>Jack Patton</b>	<b>HLP</b>	<b>1</b>		<b>1000</b>
TO							<b>HLP</b>	<b>1/2</b>		<b>1000</b>
M.										
HRS. RUN	HRS. LOST	REASON								
DEFLECTION		BITS RUN <b>51 HF</b>	HOURS RUN <b>89</b>							
CORE NOS.		SET NO. <b>2</b>	CORE HEAD NO.	CORE NO. & DESCRIPTION						

REMARKS: 3:00 to 11:00 Only

APPROVED BY FIELD SUPERINTENDENT

ORIGINAL

DATE 11-24-90

COMPANY SIM EMERSON			WELL NO. 2	LEASE SMITH	RIG NO. 1			
SECTION 30	TWP. OR BLOCK 28	RNG. OR SURVEY 15	COUNTY PR	STATE KS				
TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
						REG.	O.T.	
1	4322	4475	LIME	GARY REEVES	DRLR	13.95		
				BILL DEAN	DKM	2.46		
				JOHN CAEN	HLP	1.68		
				HOWARD BANKS	HLP	1.68		
HRS. RUN	HRS. LOST	REASON				15.37		
DEFLECTION		BITS RUN 511F	HOURS RUN 76					
CONE NOS. N 51981	SET NO. 2	CORE HEAD NO.		CORE NO. & DESCRIPTION				

REMARKS: 11:00-11:11 DRILL 11:11-11:28 GO THRU PUMP & SUCTION 11:28-11:41 DRILL 11:41-11:54 REGRY & FILL PREMEX 11:54-1:00 DRILL

TOUR			FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
2			4360	4400	LIME	LARRY GENTON	DRLR	12		
FROM						DAVE GOWDY	DKM	1.00		
M.						FRANK SCOTT	HLP	1.20		
TO						BRUCE GENTON	HLP			
M.										
HRS. RUN	HRS. LOST	REASON								
DEFLECTION		BITS RUN 511F	HOURS RUN 14 1/2			CORE NO. & DESCRIPTION				
CONE NOS.	SET NO. 2	CORE HEAD NO.								

REMARKS: 12:00-12:30 DRILL 12:30-1:15 LIME 1:15-2:30 REGRY & FILL PREMEX

TOUR			FROM	TO	FORMATION	EMPLOYEE	OCCU-PATION	HOURS		RATE
3			4560	4657	LIME	CURTIS WHL *	DRLR	13		
FROM						FRANK PAYNE	DKM	1.00		
M.						JOCK PATTON	HLP			
TO						JAMES BELERE	HLP			
M.										
HRS. RUN	HRS. LOST	REASON								
DEFLECTION		BITS RUN 511F	HOURS RUN 109			CORE NO. & DESCRIPTION				
CONE NOS. N 51981	SET NO. 2	CORE HEAD NO.								

REMARKS: 3:00 to 11:00 DRILL

APPROVED BY FIELD SUPERINTENDENT

ORIGINAL DAILY DRILLING REPORT 391

Note—Report all defects in machinery, cor- ing, slope tests and injuries under Remarks

DATE 11-25-90

COMPANY <b>JIM EMERSON</b>	WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>	
SECTION <b>30</b>	TWP. OR BLOCK <b>28</b>	RNG. OR SURVEY <b>15</b>	COUNTY <b>PR</b>	STATE <b>KS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>	4657	4735	LEME	GARY REEVES	DRLR	12.3	0.0	
	FROM			BILL DEAN	DKM			
	M.			JOHN CAIN	HLP			
	TO			HOWARD BANKS	HLP			
	M.							
M. NEW FUEL FILTERS ON PREMIX MTR								
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN	HOURS RUN						
	51 HF	111						
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					
N 51981	2		CLEAN BELLAR					

REMARKS:  
11:00-11:35 DRLG 11:35-11:50 RIG UP 11:50-12:20 DRLG 1:20-2:50 DRLG + LOG @ 4735 3:55-4:45 OUT 4:45-7:00 RIG UP + LOG

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>	4735			LARRY GUNTIS	DRLR			
	FROM			Dan Gandy	DKM			
	M.			Frank Sorenson	HLP			
	TO			FRANCIS SIMMONS	HLP			
	M.							
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN	HOURS RUN						
	51 HF	111						
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					

REMARKS:  
Turn 8 in Logging 8:00-1:30 to handle log 4 30. 2 10000  
w.m.b. 10000 m.w. 10000 m.w. 10000 m.w. 10000 m.w. 10000 m.w.  
9000 m.w. 10000 m.w. 10000 m.w. 10000 m.w. 10000 m.w.

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>	4735	4741.70	LEME	CURTIS WILCOX	DRLR			
	FROM			Faron Payne	DKM			
	M.			Jack PATTON	HLP			
	TO			Greg Thornton	HLP			
	M.							
HRS. RUN	HRS. LOST	REASON						
DEFLECTION	BITS RUN	HOURS RUN						
CONE NOS.	SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION					

REMARKS:  
3:00 TO 3:22 GO IN HOLE TO CIRC TO RUN PIPE  
3:22 TO 4:22 C.T.L.H 4:22 TO Lay Down pipe  
5 Collars 5 Run 4.5 casing

APPROVED BY FIELD SUPERINTENDENT

# ORIGINAL DRILLING REPORT 391

Note—Report all defects in machinery, cor-  
 ing, slope tests and injuries under Remarks

DATE **11-26-90**

COMPANY <b>SEM EMERSON</b>		WELL NO. <b>2</b>	LEASE <b>SMITH</b>	RIG NO. <b>1</b>
SECTION <b>3D</b>	TWP. OR BLOCK <b>35</b>	RNG. OR SURVEY <b>15</b>	COUNTY <b>PR</b>	STATE <b>KS</b>

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
<b>1</b>				<b>GARY REEVES</b>	<b>DRLR</b>	<b>133</b>	<b>RT</b>	
				<b>BILL DEAN</b>	<b>DKM</b>			
				<b>JOHN CAIN</b>	<b>HLP</b>			
				<b>HOWARD BANKS</b>	<b>HLP</b>			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS: **11:00 TO SET 42 SLIPS IN CELLAR - GET - TEAR DOWN  
 WORK ON RIG**

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
<b>2</b>					<b>DRLR</b>			
					<b>DKM</b>			
					<b>HLP</b>			
					<b>HLP</b>			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

TOUR	FROM	TO	FORMATION	EMPLOYEE	OCCU- PATION	HOURS		RATE
						REG.	O.T.	
<b>3</b>					<b>DRLR</b>			
					<b>DKM</b>			
					<b>HLP</b>			
					<b>HLP</b>			
HRS. RUN		HRS. LOST	REASON					
DEFLECTION		BITS RUN	HOURS RUN					
CONE NOS.		SET NO.	CORE HEAD NO.	CORE NO. & DESCRIPTION				

REMARKS:--

APPROVED BY FIELD SUPERINTENDENT