

ORIGINAL

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

API NO. 15- 175 - 214860000

County Seward

S/2 - SE - NE Sec. 16 Twp. 33S Rge. 32 <sup>E</sup>XX <sup>W</sup>

2540 Feet from <sup>N</sup>(circle one) Line of Section  
660 Feet from <sup>E</sup>(circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
<sup>NE</sup>(circle one) (circle one)

Lease Name Colburn Well # 2-16

Field Name Kismet

Producing Formation HERRINGTON, KRIDER, & WINFIELD

Elevation: Ground 2739' KB 2749'

Total Depth 3150' PBDT

Amount of Surface Pipe Set and Cemented at 564 Feet

Multiple Stage Cementing Collar Used? Yes XXX 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 8/7 11-22-96  
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W PCW

County Docket No. 06-14-96

Operator: License # 05615  
Name: UMC Petroleum Corporation  
Address: 410 17th Street  
Suite 1400

City/State/Zip: Denver, Colorado 80202

Purchaser: ENRON GAS PIPELINE CORP.

Operator Contact Person: Scott M. Webb

Phone ( 303 ) 573-4721

Contractor: Name: V A L

License: # 5822

Wellsite Geologist: Austin Garner

Designate Type of Completion

XX New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.  
XXX Gas ENHR SIGW  
Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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.

April 9, 1996 April 12, 1996 May 4, 1996  
Spud Date Date Reached TD Completion Date

**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 [Signature] Scott M. Webb

Title Regulatory Coordinator Date June 11, 1996

Subscribed and sworn to before me this 11th day of June, 1996

Notary Public [Signature]

Date Commission Expires My Commission Expires Feb. 8, 2000

**K.C.C. OFFICE USE ONLY**  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

**SIDE TWO**

Operator Name UMC Petroleum Corporation

Lease Name Colburn

Well # 2-16

Sec. 16 Twp. 33S Rge. 32

East  
 West

County Seward

**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.)

Log **Formation (Top), Depth and Datums**  Sample

Name	Top	Datum
Harrington	2538'	
Crider	2572'	
Winfield	2612'	
Ft. Riley	2676'	

List All E.Logs Run:

Micro Log, CNL, DIL, Mud Log

**CASING RECORD**

New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In-O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	25#	564'	50-50 POZ	375	6% gel 3% C.C.
Production	7-7/8"	4-1/2"	10.5#	3132'	Class "C"	315	2% gel

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		4	2541' - 2547'
4	2574' - 2591'		
4	2612' - 2630'		

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-3/8"	2670'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
7-16-96							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity
	-0-		342		3		

Disposition of Gas: **METHOD OF COMPLETION**

Production Interval

Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

2541' - 2630'

UMC Petroleum Corporation

November 15, 1996

Mr. Jim Hemmon  
Kansas Corporation Commission  
Conservation Division  
130 North Market, Room 2078  
Wichita, Kansas 67202-3802


RE: Colburn #2-16, API # 15-175-214860000  
S/2 SENE Section 16-T33S-R32W  
Seward County, Operator # 05615

Dear Mr. Hemmon,

Enclosed is a copy of the requested cementing report for the surface casing on the subject well.

If you have any questions or need additional information, I can be reached at (303) 475-4721.

Sincerely,



Scott M. Webb  
Regulatory Coordinator

RECEIVED  
NOV 15 1996  
KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION  
130 NORTH MARKET  
WICHITA, KANSAS 67202-3802

# DOWELL

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

P.O. BOX 4378 HOUSTON, TEXAS 77210

DISTRICT COPY

19

Dowell Service Order Receipt & Invoice No. **03-12-82-76** Dowell Service Location Name and Number **Ulysses, KS 03-12**

OILFIELD SERVICES				
IMPORTANT: READ REVERSE SIDE FOR TERMS & CONDITIONS				
ARRIVE LOCATION	MO.	DAY	YR.	TIME
4	13	96		1745
SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.				
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE				
<i>D. R. Elliott</i>				
JOB COMPLETION	MO.	DAY	YR.	TIME
4	13	96		2030
SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.				
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE				
<i>D. R. Elliott</i>				

**ORIGINAL**

CUSTOMER'S NAME **UMC Petroleum**  
 ADDRESS \_\_\_\_\_  
 CITY, STATE AND ZIP CODE \_\_\_\_\_

Dowell will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

Safely Cement 4 1/2" production casing with the following as directed by the customer.

CUSTOMER NUMBER	CUSTOMER PO/CONTRACT NUMBER	TYPE SERVICE CODE	WORKOVER NEW WELL OTHER	AFE NUMBER
		285	<input type="checkbox"/> W <input checked="" type="checkbox"/> N <input type="checkbox"/> O	
STATE	CODE	COUNTY/PARISH	CODE	CITY
Kansas	15	Seward County	175	
WELL NAME AND NUMBER/JOB SITE		LOCATION NAME AND NUMBER/OFFSHORE PLATFORM		
Colburn #2-16		Sec. 16-33S-32W		
ACCOUNTING CODES			ROUND TRIP MILEAGE	
			116	

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
	<b>EQUIPMENT &amp; SERVICES</b>			1520.00	
102871-035	Cement Pump	EA	1	1460.00	\$1460.00
048601-000	Cement Head & Manifold	EA	1	70.00	N/C
049102-000	Delivery Charge	TM	899	1.05	\$943.95
049100-000	Service Charge	CFT	330	1.43	\$471.90
059697-000	PACR	EA	1	167.00	\$167.00
059200-002	Mileage	MI	58	2.95	\$171.10
	<b>MATERIALS</b>				
040003-000	D903, Class C	CFT	317	10.42	\$3303.14
103368-050	B28, Cement O-Ring	LB	235	3.34	\$784.90
045041-100	D79, Chemical Extender	LB	536	1.44	\$771.84
067005-100	S1, Calcium Chloride	LB	235	0.44	\$103.40
047002-050	D46, Antifoam agent	LB	60	3.41	\$204.60
044003-025	D29, Cellulose Flakes	LB	79	1.77	\$139.83
044002-050	D60 Flac Fluid Loss	LB	71	9.30	\$660.30
	<b>CASINGS, HARDWARE</b>				
050101-044	Cement Guide Shoe	EA	1	120.00	\$120.00
053003-044	Insert Float Valve	EA	1	220.00	\$220.00
056011-044	Centralizers	EA	8	58.00	\$464.00
056702-044	4 1/2" top plug	EA	1	49.00	\$49.00
057499-001	Thread Lock	EA	1	28.00	\$28.00

Field Est: \$10,122.96 w/ discount: 6681.15

SUB TOTAL **6681.15**

LICENSE/REIMBURSEMENT FEE	
LICENSE/REIMBURSEMENT FEE	
REMARKS:	STATE % TAX ON \$
Thanks for using the Dowell team!  34%	KANSAS % TAX ON \$ 5143.36
	COUNTY % TAX ON \$ 252.02
	CITY % TAX ON \$ 51.43
SIGNATURE OF DOWELL REPRESENTATIVE	TOTAL \$
<i>James Allbee</i>	69821.61

WELL NAME AND NO. Culmson #2-16 LOCATION (LEGAL) Sec 16-335-32W  
 FIELD-POOL \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY/PARISH DeWard STATE Kansas API. NO. \_\_\_\_\_  
 NAME UMC Petroleum  
 AND \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ZIP CODE \_\_\_\_\_

RIG NAME: Val Energy #2  
 WELL DATA: BIT SIZE 7 7/8 CSG/Liner Size 4 1/2 BOTTOM TOP  
 TOTAL DEPTH 3150 WEIGHT 10.5  
 ROT  CABLE FOOTAGE 3144.39 ORIGINAL  
 MUD TYPE GRADE \_\_\_\_\_  
 BHST  BHCT THREAD \_\_\_\_\_  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 95670 TOTAL  
 MUD VISC. Disp. Capacity 48.6 48.6  
 NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS  
Cement 4 1/2 production casing as directed by the client, safely  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE 2076 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT \_\_\_\_\_ PSI BUMP PLUG TO 500 over PSI  
 ROTATE \_\_\_\_\_ RPM RECIPROCATE \_\_\_\_\_ FT No. of Centralizers 8

Float	TYPE	<u>Insert venturi fill</u>	TYPE	
	DEPTH	<u>3056.70</u>	DEPTH	
Shoe	TYPE	<u>Current Note</u>	TYPE	
	DEPTH	<u>3144.39</u>	DEPTH	

Head & Plugs  Double  Single  Swage  Knockoff  
 TBG  D.P.  SQUEEZE JOB  
 WEIGHT  GRADE  THREAD  
 TOOL TYPE DEPTH TAIL PIPE: SIZE DEPTH TUBING VOLUME Bbbs  
 TOP  R  W  NEW  USED CASING VOL. BELOW TOOL Bbbs  
 BOT  R  W DEPTH TOTAL Bbbs  
 ANNUAL VOLUME Bbbs

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION	LEFT LOCATION
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME:	DATE:	TIME:	DATE:	
0001 to 2400									
1910									
1930		2000	/						
1933		100	10	/	5.5	H <sub>2</sub> O	8.34	PRE-JOB SAFETY MEETING	
1936		250	43	10	5.5	Ceal	11.5	Press-Test Lines	
1952		250	31	103	5.5	Tail	14.8	H <sub>2</sub> O ahead	
1958		10	-	134	-	H <sub>2</sub> O	8.34	Start Lead	
2001		300	48.6	184	5.5	H <sub>2</sub> O	8.34	Start Tail	
2013		070	/	192.6	2.5	H <sub>2</sub> O	8.34	Shutdown/Drop Plug	
2016						H <sub>2</sub> O	8.34	Start Displacement	
								Bump Plug	
								Bleed Lines - check float valve	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	190	2.75	Class C + 3% D79 + 0.2% D46 + 1/4 #/sk D29				93	11.5
2.	125	1.37	Class C + 2% B28 + 2% C1 + 0.6% D60 + 0.2% D46 + 1/4 #/sk D29				31	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO MAX. 900 MIN: 100  
 BREAKDOWN PSI FINAL 540 PSI 48.6 Bbbs Cement Circulated To Surf.  YES  NO Bbbs  
 Washed Thru Parts  YES  NO TO FT. MEASURED DISPLACEMENT  48.6  WIRELINE  
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE Bill Elliott DS SUPERVISOR [Signature]

UMC  
Collins #2-16  
13 April 96

03-12-8276  
Allbee/Elliott

ORIGINAL

-----  
Curve 1 : Unit 1 Pressure  
Curve 2 : Unit 1 Density  
Curve 3 : Unit 1 Total Flow rate  
Curve 4 : Disabled  
-----

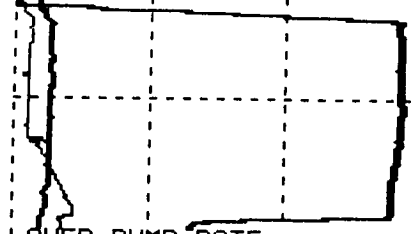
Volume is computed from :  
Unit 1 Total Flow rate  
Scan Period (Sec) : 4  
Real Time : Recording Rate is 4 seconds  
-----

Time	PSI	PPG	BPM	Flow Rate
0				5000
0				18
0				10
18:47	20	***	3.89	1.6
PAUSE				
18:48	20	***	0.30	1.8
18:48	30	***	3.89	2.3
PAUSE				
18:48	20	***	0.35	2.5
18:48	110	8.20	3.89	3.3
PAUSE				
19:30	20	0.26	0	3.3
19:30				3.3 BBL
PRESSURE TEST LINES				
19:31	2350	0.32	0	3.6
RESET VOLUME				
19:31	2330	0.31	0	3.6
START JOB				
19:33	40	0.31	0	0
START PUMPING WATER				
19:33	60	0.31	1.22	0.1
START PUMPING WATER				
19:36	270	12.11	5.51	14.5
RESET VOLUME				
19:36	230	11.56	5.58	18.0
19:45				46.7 BBL

ORIGINAL

RESET VOLUME  
19:52 230 14.40 5.56 85.6  
START MIXING TAIL SLURRY  
19:52 240 14.52 5.54 10.7

SHUTDOWN  
19:57 10 14.22 0 26.5  
RESET VOLUME  
19:57 10 14.23 0 26.5  
19:57 10 14.24 0 0  
PAUSE  
20:00 20 8.43 0.03 0  
START DISPLACEMENT  
20:00 20 8.41 0 0  
20:00 20 8.55 0 0  
PAUSE  
20:01 0 8.36 0 0



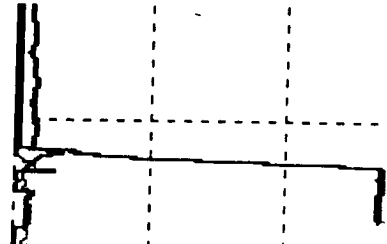
LOWER PUMP RATE  
20:09 390 8.38 2.55 40.6



BUMP TOP PLUG  
20:13 870 8.16 0 49.1

20:15 49.1 BBL

BLEED-OFF PRESSURE  
20:16 10 8.23 0 49.1



20:24 70  
PAUSE  
20:25 70  
20:25  
END JOB

Schlumberger

Dowell

INVOICE

REMIT TO P O BOX 898788  
DALLAS TX 75389-8788

0312

923538

UMC PETROLEUM

555 N.W. GRAND

OKLAHOMA CITY

OK 73112

ORIGINAL

PAGE

1

CEMENTING  
CEMENT SURFACE C

STATE	COUNTY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER ORDER NO.
KS	SEWARD	OLYSSIS	DOWELL	
ADDRESS		DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
		04/07/96	BILL ELLIOTT	
ACCOUNTING CODES				

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871010	CSNG CMNT 501-1000' 1ST 8 HR	BHR	1	880.0000	880.00
049102000	TRANSPORTATION CMNT TON MILE	MT	1046	1.0500	1,098.30
049100000	SERVICE CHG CEMENT MATL LAND	CFT	432	1.4300	617.76
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	167.0000	167.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MT	58	2.9500	171.10
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
040003000	D903 , CEMENT CLASS C	CFT	190	10.4200	1,979.80
101545000	D132 , LITEPOZ	CFT	190	4.3900	834.10
045014050	D20, BENTONITE EXTENDER	LBS	1240	.1700	210.80
045004050	D44, GRANULATED SALT	LBS	926	.1300	120.38
067005100	S1, CALCIUM CHLORIDE	LBS	909	.4400	399.96
044003025	D29, CELLOPHANE FLAKES	LBS	95	1.7700	168.15
050101085	SHOE CEN TYPE GUIDE 8-5/8"	EA	1	280.0000	280.00
053003085	INSERT ORIFICE FILL 8-5/8"	EA	1	360.0000	360.00
056011085	CENTR REG 8-5/8, B DIA 12"	EA	5	82.0000	410.00
056019085	RING STOP HINGE/BOLT 8-5/8"	EA	1	23.0000	23.00
056702085	PLUG CENG 8-5/8" TOP PLASTIC	EA	1	109.0000	109.00
	DISCOUNT - MATERIAL				1,566.46-
	DISCOUNT - SERVICE				938.93-
				SUB TOTAL --	5,323.96
M C	STATE TAX ON			4,075.58	199.70
M F C	LOCAL TAX ON			4,075.58	40.76
				AMOUNT DUE --	5,564.42

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 22-1692661  
TERMS -- NET 30 DAYS DUE ON OR BEFORE MAY 09, 1996

THANK YOU. WE APPRECIATE YOUR BUSINESS.

\*\* WE CAN INVOICE YOU VIA EDI. CALL (713)275-8414 FOR INFORMATION \*\*



# DOWELL

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

DISTRICT COPY

19

P.O. BOX 4378 HOUSTON, TEXAS 77210

Dowell Service Order No. **0547245585**  
 Dowell Service Location Name and Number

**FIELD SERVICES**  
 IMPORTANT! PLEASE READ CAREFULLY  
 ARRIVE LOCATION **41 9 76 1620**

CUSTOMER'S NAME **M. C. Petroleum**  
 ADDRESS  
 CITY, STATE AND ZIP CODE

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE  
*x Bill Elliott*

**ORIGINAL**

Dowell will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

*Surface as per customer's instructions*

JOB NO. **971**  
 MO. DAY YR TIME

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE  
*x Bill Elliott*

CUSTOMER NUMBER CUSTOMER PO/CONTRACT NUMBER TYPE SERVICE CODE WORKOVER NEW WELL OTHER W N O AFE NUMBER

STATE CODE COUNTY/PARISH CODE CITY  
**KS 15 SEWARD 175**

WELL NAME AND NUMBER JOB SITE LOCATION NAME AND NUMBER/OFFSHORE PLATFORM

ACCOUNTING CODES ROUND TRIP MILEAGE  
**116**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102971-010	PUMP	EQ.	1	880.00	880.00
049102-000	DEL. CHG	FT.	11246	1.05	1099.23
649112-000	S.K. CHG	FT.	143	4.31	617.75
059897-000	PACK	EQ.	1	167.00	167.00
059200-002	VALVE	M.	58	2.92	171.16
049601-000	CMT, H2O	EQ.	1	70.00	70.00
040003-000	C. CMT	SK.	190	10.92	1974.80
101545-000	ROZ	TR.	190	4.33	822.70
045014-050	GRL	LB.	1240	.17	210.80
045004-050	SALT	LB.	926	.13	120.38
067005-100	COIL	LB.	909	.44	399.75
044003-025	CEL. FLK.	LB.	957	.17	168.75
050101-085	CONT. CASE	EQ.	1	280.00	280.00
053903-085	D.I.F.I.C. FILL	EQ.	1	360.00	360.00
056011-085	CONTROLIZER	EQ.	5	82.00	410.00
056019-085	5 GAL. BING	EQ.	1	23.00	23.00
056702-085	TOP PLUG	EQ.	1	109.00	109.00
057499-001	THREAD LOK KIT	EQ.	1	28.00	28.00

SERVICE ORDER RECEIPT

Thanks Rex & Crew!  
 # 35 # 96  
 FIPLO EST. 7829 LESS DISC. 5323  
 SUB TOTAL **5323.96**

LICENSE/REIMBURSEMENT FEE

REMARKS: **3290**  
 STATE % TAX ON \$ **4075.58** **199.70**  
 COUNTY % TAX ON \$ **40.76**  
 CITY % TAX ON \$  
 SIGNATURE OF DOWELL REPRESENTATIVE TOTAL **5564.42**

**Dowell Schlumberger Incorporated**

DS-496A PRINTED IN U.S.A.

STAGE: 1 DS: 103 DISTRICT: 12

WELL NAME AND NO. **Coldura 2-16** LOCATION (LEGAL) **SAC. 16-335-324**  
 FIELD POOL **HUGOYEN** FORMATION **SURF.**  
 COUNTY/PARISH **SEWARD** STATE **KS-** API. NO.

RIG NAME: **VAL ENERGY 2**  
 WELL DATA: BIT SIZE: **12 1/2** CSG/Liner Size **8 1/2** BOTTOM: TOP:  
 TOTAL DEPTH: **570** WEIGHT: **24**  
 ROT  CABLE FOOTAGE: **570**  
 MUD TYPE GRADE:  
 BHST  BHCT THREAD: **8RD**  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S):  
 MUD VISC. Disp. Capacity: **33.6** TOTAL

NAME **U.M.C. Petroleum**  
 AND **ORIGINAL**  
 ADDRESS:  
 ZIP CODE:

SPECIAL INSTRUCTIONS:  
**Safely cut 8 1/2" casing customers instructions**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **230** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **1500** PSI BUMP PLUG TO **940** PSI  
 ROTATE RPM RECIPROCATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	<b>auto fill tool</b>	Stage Tool	TYPE	
	DEPTH	<b>528</b>		DEPTH	
SHOE	TYPE	<b>cut case</b>		TYPE	
	DEPTH	<b>569</b>		DEPTH	

Head & Plugs  TBG  D.P. SQUEEZE JOB  
 Double  Single  Swage  Knockoff  
 SIZE WEIGHT GRADE THREAD  
 TOOL TYPE DEPTH  
 TAIL PIPE: SIZE DEPTH  
 TUBING VOLUME Bbls  
 CASING VOL. BELOW TOOL Bbls  
 TOTAL Bbls  
 ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME: <b>9590</b> DATE: <b>4-9</b>			ARRIVE ON LOCATION TIME: <b>1620</b> DATE: <b>4-9</b>		LEFT LOCATION TIME: DATE:	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
1927		2000	X			H2O	8.3	PRE-JOB SAFETY MEETING			
1929		150	10	X	5,7	"	"	Start 420			
1931		150	27	10	5,7	CMT	12.8	start LOGMT			
1945		170	33	87	5,7	CMT	14.6	start LOGMT			
1950				120				Shot down drop plug			
1952		120	33.6	K	5,1	H2O	8.3	start disp CMT TO SURF.			
1957		230		25	5,1	"	"	Lower Bgr			
1959		200		29	2,2	"	"	PST check			
2001		230		33	2,2	"	"	PST check			
2002		940		33.6	2,2	"	"	Bump plug			
2003								Bleed line check & cost			

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1	225	1.89	59 <sup>100</sup> / <sub>50</sub> C + 6% D-20 + 3% S-1 + 4% <sup>100</sup> / <sub>50</sub> D-29 + 5% D-41 (D-404)	77	12.8
3	150	1.22	59 <sup>100</sup> / <sub>50</sub> C + 2.5% S-1 + 4% <sup>100</sup> / <sub>50</sub> D-29	33	14.6

BREAKDOWN FLUID TYPE:  HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO  
 PRESSURE: MAX **980** MIN **150** Bbls  
 Comment Circulated To Surf:  YES  NO  
 BREAKDOWN: PSI FINAL **33.6** Bbls  
 TYPE OF WELL:  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru. Perfs:  YES  NO TO  
 FT. MEASURED DISPLACEMENT  WIRELINE  
 PERFORATIONS: TO TO TO TO  
 CUSTOMER REPRESENTATIVE: **Bill Elliott** SUPERVISOR: **Ray Pearson**

Dowell Schlumberger Incorporated  
204 South Mission  
Ulysses, Kansas 67880  
(316) 356-1272 (office)  
(316) 356-1911 (fax)

ORIGINAL

API WATER ANALYSIS REPORT FORM

DATE

LAB NO.

Company <b>UMC Petroleum</b>		Sample No.	Date Sampled <b>4-9-96</b>	
Field	Legal Description		County or Parish <b>Seward</b>	State <b>KS</b>
Lease or Unit <b>Colburn #2-16</b>	Well	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point <b>Big TANK</b>		Sampled By <b>D.G. FRANCISCO</b>

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)		
Calcium, Ca	<b>150</b>	
Magnesium, Mg		
Barium, Ba		

ANIONS

Chloride, Cl	<b>100</b>	
Sulfate, SO <sub>4</sub>	<b>800</b>	
Carbonate, CO <sub>3</sub>		
Bicarbonate, HCO <sub>3</sub>		

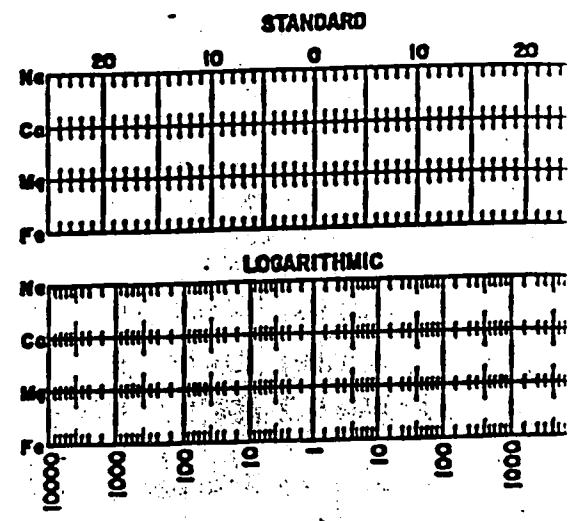
Total Dissolved Solids (calc.)

Iron, Fe (total)  
Sulfide, as H<sub>2</sub>S

OTHER PROPERTIES

pH	<b>7.0</b>
Specific Gravity, 60/60 F.	<b>1.000</b>
Resistivity (ohm-meters) _____ F.	

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

TANNIN & LIGNIN < 25

Good water for mixing cement

UMC PETROLEUM