

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- 075-20703-0000

County Hamilton

SW - SW - SW - NW Sec. 31 Twp. 22S Rge. 40 X E

2515 Feet from S(N) (circle one) Line of Section

175 Feet from E(W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name HCU Well # 3120-E

Field Name Bradshaw

Disposal Arbuckle
Reservoir Formation

Elevation: Ground 3506' KB

Total Depth 6340' PBTD 6340'

Amount of Surface Pipe Set and Cemented at 1100' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 3141' Feet

If Alternate II completion, cement circulated from 3141'

feet depth to 2130' w/ 300 sx cmt.

Drilling Fluid Management Plan ALT 1 DPW
(Data must be collected from the Reserve Pit) 10-1-99

Chloride content 4000 ppm Fluid volume 350 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

County Docket No.

Operator: License # 31321

Name: Louis Dreyfus Natural Gas Corp

Address Suite 600

14000 Quail Springs Parkway

City/State/Zip Okla. City, OK 73134

Purchaser: 9-29-99

Operator Contact Person: Bob Blevins

Phone (405) 749-1300

Contractor: Name: Val Energy

License: 5822

Wellsite Geologist: N/A

Designate Type of Completion

X New Well Re-Entry Workover

 Oil X SWD SLOW Temp. Abd.

 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 PBTD

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

8-9-99 8-20-99 8-25-99

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

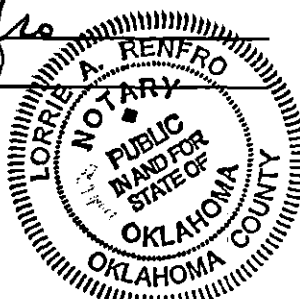
Signature Lenora Sawyer

Title Regulatory Technician Date 8/24/99

Subscribed and sworn to before me this 24th day of August, 19 99.

Notary Public Lorrie A. Renfro

Date Commission Expires 9-01-01



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C X Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

ORIGINAL

Operator Name Louis Dréyfus Natural Gas Corp. Lease Name HCU Well # 3120-E

Sec. 31 Twp. 22S Rge. 41 East West County Hamilton

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.)
List All E.Logs Run:
Cement Bond Log

Log Formation (Top), Depth and Datum Sample
Name Top Datum
See Attachment

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	32#, J-55	1103'	Lite	325 ✓	3%cc+5#Gilsonite+ 1/4# flo-seal/sk
					Class A	150 ✓	3% cc
Production	7-7/8"	5-1/2"	17#, J-55	6065'	SelfStress 15:85 Poz	150	.2%D45+.25pps D29
					Class C	150	8%gel+2%cc+.25pps D29

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		10,000 gal. 15% HCl, flush	
		w/1000 bbl. lease water	

TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer At					
2-7/8"	6040'	6040'					
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas: METHOD OF COMPLETION Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Disposal ~~XXXXXXX~~ Interval 6065-6340

15-075-20703-0000

Aug-23-99 03:47P

ORIGINAL ALLIED CEMENTING CO., INC. P.O.I. 2095

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
DAKLEH

DATE <u>8-10-99</u>	SEC. <u>31</u>	TWP. <u>22S</u>	RANGE <u>40W</u>	CALLED OUT	ON LOCATION <u>4:00 PM</u>	JOB START <u>9:15 PM</u>	JOB FINISH <u>10:15 PM</u>
LEASE <u>HCU</u>	WELL # <u>3120-E</u>	LOCATION <u>SYRACUSE 7 1/2 N-E 50AC</u>			COUNTY <u>Hamilton</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR <u>VAL DRUG REG # 2</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE <u>12 1/4"</u> TD <u>1105'</u>	CEMENT
CASING SIZE <u>8 3/4"</u> DEPTH <u>1105'</u>	AMOUNT ORDERED <u>150 SKS COM 390 CC</u>
TUBING SIZE	<u>325 SKS LATE 390 CC 5" GILSONSTE 1/2" FLO-SEAL</u>
DRILL PIPE	
TOOL	
PRES. MAX <u>1000 PSI</u> MINIMUM <u>150 PSI</u>	COMMON <u>150 SKS @ 2.55</u> <u>1132.50</u>
MEAS. LINE	POZMIX
CEMENT LEFT IN CSG. <u>40.68'</u>	GEL
PERFS.	CHLORIDE <u>20 SKS @ 28.00</u> <u>560.00</u>
DISPLACEMENT <u>64 3/4 GAL</u>	<u>LATE 325 SKS @ 6.50</u> <u>2161.25</u>

EQUIPMENT

PUMP TRUCK	CEMENT RR	<u>TERRY</u>
# <u>300</u>	HELPER	<u>WAYNE MAX</u>
BULK TRUCK		
# <u>303</u>	DRIVER	<u>DEAN</u>
BULK TRUCK		
# <u>315</u>	DRIVER	<u>LEWIS</u>

<u>FLO-SEAL 81" @ 1.12</u>	<u>93.12</u>
<u>GILSONSTE 1625" @ #.41</u>	<u>666.25</u>
HANDLING <u>475 SKS @ 1.00</u>	<u>475.00</u>
MILEAGE <u>0.44 PER SK/MILE</u>	<u>95.00</u>
TOTAL	<u>6061.00</u>

REMARKS:

CEMENT AFD CTR. ✓
FLOAT HELD
THANK YOU

SERVICE

DEPTH OF JOB <u>1105'</u>	
PUMP TRUCK CHARGE	<u>580.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>50 MI @ 2.80</u>	<u>N/C</u>
PLUG <u>839 Rubber @</u>	<u>90.00</u>
TOTAL	<u>670.00</u>

CHARGE TO: LOUIS DREYFUS NATURAL GAS
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

<u>1- REG GUIDE SHOE @</u>	<u>176.00</u>
<u>1- INSERT @</u>	<u>222.00</u>
<u>6- CENTRALIZERS @ 30.00</u>	<u>180.00</u>
<u>1- ANGLE @</u>	<u>150.00</u>
TOTAL	<u>728.00</u>

RECEIVED
STATE CORPORATION COMMISSION

SEP 29 1999

CONSERVATION DIVISION
Wichita Kansas

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

TAX _____
 TOTAL CHARGE 7459.00
 DISCOUNT 1491.98 IF PAID IN 30 DAYS
 PRICE AFTER DISC. 5967.02
 D. W. SWISHER
 PRINTED NAME



Service Order Receipt

DRAFT

Dowell
 Dowell, A Division of Schlumberger Technology Corp.
 204 S Missouri
 Ulysses, KS

Job Number:
 20120690

Invoice Mailing Address: LOUIS DREYFUS NATURAL GAS CO 14000 QUAIL SPRINGS PKWY, SUITE 600 OKLAHOMA CITY, OK 73134 US		ARRIVE LOCATION Date: 9/20/99 Time: 10:00:00 AM
		JOB START Date: 9/20/99 Time: 3:00:00 PM
		JOB COMPLETION Date: 9/20/99 Time: 6:30:00 PM
		LEAVE LOCATION Date: 9/20/99 Time: 10:30:00 PM
		Service Instructions Cement 5 1/2" casing in 2 stages as instructed Mileage: 60
		Service Description Cementing - Cem Prod Casing
Customer PO: 0	Contract: 0	AFE: 0 Rig: VAL ENERGY 2
Well: HCU 3120 E	State/Province: KS	County/Parish/Block: HAMILTON Legal Location: SEC 31-22S-40W
Pmk:	Customer or Authorized Representative: DARRELL SWISHER	

Item	Description	Quantity	Unit	Unit Price	Amount
Services					
102871065	Casing Cmmt 6001-6500' 1st 6hr	1	EA	2,409.00	2,409.00
48016000	Cement Pump-Per add. Stage	1	EA	1,660.00	1,660.00
48601000	Cement Head Rental	1	JOB	83.00	83.00
49100000	Service Chg Cement Matl Land All DW Fur	512	CF	1.85	947.20
49102000	Transportation Cement Ton Mile	1394	MI	1.33	1,840.72
59200002	Mileage, All Other Equipment	60	MI	3.47	208.20
59697000	PACR Treatment Analysis Recorder	1	JOB	220.00	220.00
Services Subtotal:					7,368.12

Products					
54001054	Collar, 2 Stage Cementing	1	EA	4,500.00	4,500.00
56008054	Basket, Cementing 5 1/2 In	1	EA	222.00	222.00
56011054	Centralizer, Regular	12	EA	80.00	960.00
D020	Bentonite Extender D20	1100	LB	0.20	220.00
D029	Cellophane Flakes D29	114	LB	2.02	230.28
D046	Antifoam Agent, All Purpose D46	28	LB	3.90	109.20
D132	Extender, Cement D132	1790	LB	0.07	116.71
D807-1	SELF STRESS I Additive <18% Salt	2288	LB	0.46	1,052.48
D903	Cement, Class C D903	278	CF	12.03	3,344.34
D909	Cement, Class H D909	150	CF	10.86	1,629.00
K232	Thread Locking Compound Kit K232	1	EA	34.00	34.00
S001	Calcium Chloride 77% S1	575	LB	0.51	293.25
Products Subtotal:					12,711.26

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 29 1999
 CONSERVATION DIVISION
 Wichita Kansas

Schlumberger
Dowell

Cementing Service Report

Customer: EQUUS GREYFUS NATURAL GAS CO. Job Number: 20120698

Well: HCU 3120 E		Location (Legal): SEC 31-22S-40W		Dowell Location: Ulysses, KS		Job Start: 8/20/99	
Field:		Formation Name/Type:		Deviation: 0		Blk Size: 7.88 in	
County: HAMILTON		State/Province: KS		Well MD: 6,340 ft		Well TVD: 6,340 ft	
Rig Name: VAL ENERGY 2		Drilled For: Disposal		Service Via: Land		Casing/Liner:	
Offshore Zone:		Well Class: New		Well Type: Development		Perforations/Open Hole:	
Drilling Fluid Type: Bentonite		Max. Density: 9.36 lb/gal		Plastic Viscosity: 35 cp		Tubing/Well Pipe:	
Service Line: Cementing		Job Type: Cem Prod Casing		Depth, ft: 0		Size, in: 0	
Max. Allowed Tubing Pressure: 1500 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: Single cement head		Perforations/Open Hole:	
Service Instructions: Cement 5 1/2" casing in 2 stages as instructed		Mileage: 60		Total Interval: 0 ft		Diameter: 0 in	
Casing/Tubing secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools:		Squeeze Job:	
LIR Pressure: 4320 psi		Pipe Rotated <input type="checkbox"/>		Pipe Recirculated <input type="checkbox"/>		Shoe Type: Other	
No. Centralizers: 12		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 6035 ft	
Cement Head Type: Single		Job Scheduled For: 8/20/99 10:00		Arrived on Location: 8/20/99 10:00		Leave Location: 8/20/99 22:30	
Stage Tool Type: dv		Stage Tool Depth: 3074 ft		Tail Pipe Size: 0 in		Tool Depth: 0 ft	
Collar Type:		Collar Depth: ft		Tail Pipe Depth: 0 ft		Sqr Total Vol: 0 bbl	
Time	Oil/M	Density	Pressure	Top Plugs	Bottom	Message	
15:04	0	0	0	0	0	START ACQUISITION	
15:04	0	8.07	0	0	0	Start Pumping Water	
15:05	2.26	8.31	146.5	2.96	2.26		
15:06	5.23	8.21	155.7	2.94	5.23		
15:08	5.23	8.21	158.7	2.94	5.23	End Water	
15:06	5.23	8.21	155.7	2.94	5.23	Reset Volume	
15:06	5.23	8.21	155.7	2.94	5.23	[CumVol]=7,407 bbl	
15:07	0.742	10.81	164.8	2.94	8.2	Start Cement Slurry	
15:08	3.71	15.24	169.4	2.94	11.17		
15:09	6.68	14.84	141.9	2.96	14.14		
15:10	9.67	14.94	105.3	2.96	17.12	RECEIVED	
15:11	12.65	14.87	68.68	2.96	20.1	STATE CORPORATION COMMISSION	
15:12	15.63	15.11	27.47	2.96	23.09		
15:13	17.82	14.38	-4.58	1.93	25.28	SEP 29 1999	
15:14	19.75	14.66	0	1.9	27.21		
15:15	21.68	14.87	0	1.93	29.14	CORPORATION DIVISION	
15:16	23.61	14.74	0	1.93	31.07	Mishra, Kanishk	
15:17	25.54	14.74	0	1.93	33		
15:18	27.47	14.74	0	1.93	34.93		
15:19	29.4	14.91	0	1.9	36.85		

Well		Field				Service Date	Customer		Job Number
HCU #3120 E							JIS DREYFUS NATURAL GA		20120630
Time	CumVol	Depth	Pressure	Temperature	Tooloff			Message	
MM:SS	BBL	FT	PSI	FHRT	IN				
15:20	31.33	14.91	0.	1.9	38.79	0	0		
15:21	33.26	14.96	0.	1.9	40.72	0	0		
15:22	35.19	14.93	0.	1.9	42.65	0	0		
15:23	37.12	15.15	0.	1.9	44.58	0	0		
15:23	37.12	15.15	0.	1.9	44.58	0	0	PAUSE ACQUISITION	
15:28	37.12	15.15	0.	1.9	44.58	0	0	RESTART AFTER PAUSE	
15:28	37.78	8.64	4.58	0.	45.23	0	0		
15:28	37.78	8.64	4.58	0.	45.23	0	0	[CumVol]=37.78 bbl	
15:28	37.78	8.64	4.58	0.	45.23	0	0	Reset Volume	
15:28	37.78	8.64	4.58	0.	45.23	0	0	Drop Top Plug	
15:28	37.78	8.64	4.58	0.	45.23	0	0	Start Displacement	
15:29	0.49	8.64	-9.16	2.04	45.72	0	0		
15:30	3.46	8.64	-4.58	3.41	48.69	0	0		
15:31	8.56	8.64	59.52	5.51	53.79	0	0		
15:32	11.71	8.58	-9.16	3.02	56.95	0	0		
15:33	14.73	8.73	-9.16	3.02	59.96	0	0		
15:34	17.75	8.73	-9.16	3.02	62.98	0	0		
15:35	20.76	8.52	-4.58	2.99	66.	0	0		
15:36	23.78	8.64	0.	3.02	69.02	0	0		
15:37	26.8	8.73	-4.58	2.99	72.03	0	0		
15:38	29.82	8.73	0.	2.99	75.05	0	0		
15:39	32.84	8.49	0.	3.02	78.07	0	0		
15:40	35.85	8.64	0.	3.02	81.09	0	0		
15:41	38.87	8.71	-4.58	3.02	84.1	0	0		
15:42	41.89	8.41	-4.58	3.02	87.12	0	0		
15:43	44.91	8.52	0.	2.99	90.14	0	0		
15:44	47.92	8.12	-4.58	3.02	93.16	0	0		
15:45	50.94	8.09	-4.58	3.02	96.17	0	0		
15:46	53.96	8.01	0.	3.02	99.19	0	0		
15:47	56.98	7.84	0.	3.02	102.2	0	0		
15:48	59.99	8.1	9.16	3.02	105.2	0	0		
15:49	63.01	7.68	22.89	3.02	108.2	0	0		
15:49	63.01	7.68	22.89	3.02	108.2	0	0	Remark	
15:50	66.67	7.78	0.	1.2	110.9	0	0		
15:51	66.79	7.81	0.	1.09	112.	0	0		
15:52	67.9	7.79	0.	1.09	113.1	0	0		
15:53	69.	8.39	0.	1.12	114.2	0	0		
15:54	70.11	8.09	0.	1.09	115.3	0	0		
15:55	71.21	8.46	0.	1.09	116.4	0	0		
15:56	72.32	8.46	0.	1.09	117.6	0	0		
15:57	74.48	8.45	22.89	2.94	119.7	0	0		
15:58	77.43	8.46	22.89	2.94	122.7	0	0	RECEIVED	
15:59	80.38	8.26	32.05	2.94	125.6	0	0	STATE CORPORATION COMMISSION	
16:00	83.33	8.46	13.74	2.94	128.6	0	0		
16:01	86.28	8.52	13.74	2.96	131.5	0	0	NOV 20 1999	
16:02	89.22	8.23	22.89	2.94	134.5	0	0		
16:03	92.17	8.58	18.32	2.94	137.4	0	0	CONSERVATION DIVISION	
16:04	95.12	8.64	18.32	2.96	140.3	0	0	MINNAPOLIS, MINNAPOLIS	
16:05	98.06	8.16	22.89	2.94	143.3	0	0		
16:06	101.	8.52	4.58	2.94	146.2	0	0		
16:07	103.9	8.1	9.16	2.94	149.2	0	0		
16:07	103.9	8.1	9.16	2.94	149.2	0	0	[CumVol]=110 bbl	
16:08	110.6	8.2	50.37	2.91	152.1	0	0		
16:09	113.5	7.91	105.3	2.94	155.1	0	0		

Well		Field				Service Data		Customer	
HCU #312D E								JIS DREYFUS NATURAL GA	
Time	Card No.	Density	Pressure	Total Flow	Total Vol			Messages	
24 hr Clock	bbt	ppg	psi	gpm	bbt				
16:10	116.4	7.84	164.8	2.91	153.	0	0		
16:11	119.4	7.91	251.8	2.91	160.9	0	0		
16:12	122.3	8.27	325.1	2.91	163.8	0	0		
16:13	125.2	7.7	407.5	2.91	166.7	0	0		
16:14	128.1	7.89	485.3	2.88	169.6	0	0		
16:15	131.	8.33	544.9	2.88	172.5	0	0		
16:16	133.8	7.91	618.1	2.85	175.4	0	0		
16:17	136.7	7.94	682.2	2.88	178.2	0	0		
16:18	139.3	8.	682.2	2.04	180.8	0	0		
16:19	141.3	7.98	773.8	1.99	182.8	0	0		
16:19	141.3	7.98	773.8	1.99	182.8	0	0	Bump Top Plug	
16:19	141.3	7.98	773.8	1.99	182.8	0	0	Bleed Off Pressure	
16:20	141.6	7.98	458	0.	183.1	0	0		
16:20	141.6	7.93	468	0.	183.1	0	0	PAUSE ACQUISITION	
16:44	141.6	8.64	0.	0.	183.1	0	0		
16:44	141.6	8.64	0.	0.	183.1	0	0	RESTART AFTER PAUSE	
16:45	141.6	8.64	0.	0.	183.1	0	0	[CumVol]=141.6 bbt	
16:45	141.6	8.64	0.	0.	183.1	0	0	Reset Volume	
16:45	1.37	8.64	119.	3.13	184.6	0	0		
16:46	1.99	8.64	-9.16	0.	185.2	0	0		
16:47	7.5	8.2	219.8	5.7	190.7	0	0		
16:48	13.1	8.18	-22.89	1.51	196.3	0	0		
16:49	13.13	8.03	0.	0.	196.3	0	0		
16:50	13.13	8.	0.	0.	196.3	0	0		
16:51	13.13	7.99	0.	0.	196.3	0	0		
16:52	13.13	7.99	0.	0.	196.3	0	0		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	Mud	Spacer	Maximum Rate	Total Slurry	Mud	Spacer	M2
3	0	0	6	40	0	7	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Type	Volume	Density	
1500	1500	100	1500	0	0 bbl	0 lb/gal	
Avg. M2 Percent		Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed True Perforations To 0 ft		
0 %		40 bbl	141 bbl	80 °F			
Customer or Authorized Representative			Dowell Supervisor				
DARRELL SWISHER			Jeffrey Dutton				
			<input checked="" type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		

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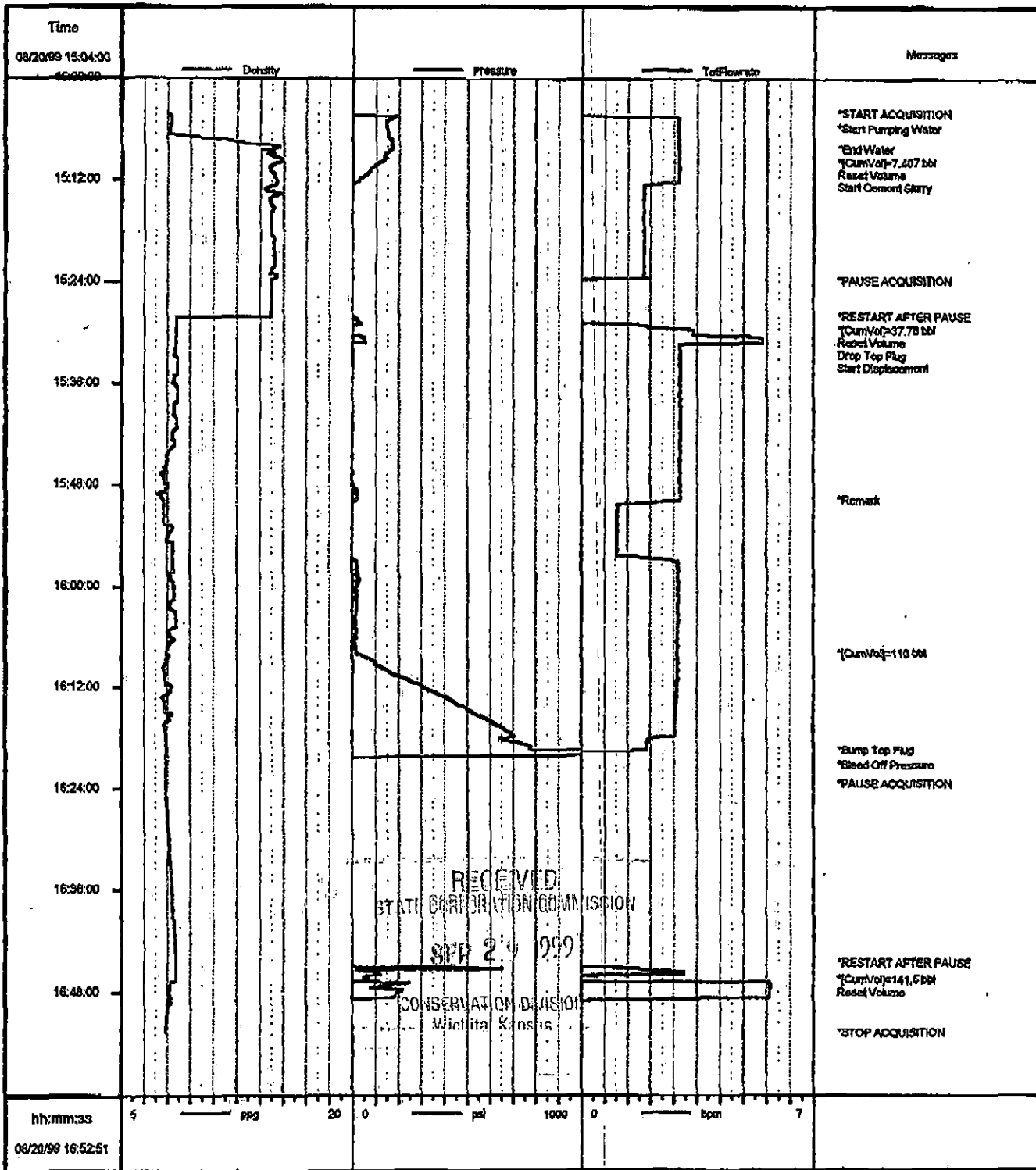
COMMISSION
Wichita, Kansas

Schlumberger
Dowell

Cementing Job Report

PRISM V2.23

Well	HCU 3120 E	Client	Louis Dreyfus
Field		SIR No.	20120680
Country	USA	Job Date	8/20/99 3:04:00 PM



08/20/1999 15:04:00

*Mark of Schlumberger




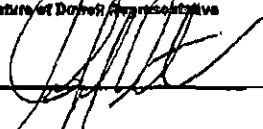
Service Order Receipt

DRAFT

Dowell

Dowell, A Division of Schlumberger Technology Corp.
204 S Missouri

Job Number
20120590

Item	Description	Quantity	Unit	Unit Price	Amount
Subtotal (Before Discount):				20,079.36	
Discount:				9,638.11	
Special Discount:				0.00	
				Estimated Total (USD):	10,441.27
The estimated charges above are subject to correction by Dowell.					
<small>Service Receipt: I certify that the materials and services listed were received and all services performed in a workmanlike manner</small>		<small>Signature of Customer or Authorized Representative</small>  DARRELL SWISHER		<small>Signature of Dowell Representative</small>  Jeffrey Dutton	

Thank you for Calling Dowell!

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CONSERVATION DIVISION
Wichita Kansas



Cementing Service Report

Customer: LOUIS DREYFUS NATURAL GAS CO. Job Number: 20120660

Well: HCU 3120 E		Location (Legal): SEC 31-22S-40W		Dowell Location: Ulysses, KS		Job Start: 8/20/99	
Field: HAMILTON		Formation Name/Type: KS		Deviation: 0		BR Size: 7.88 in	
County: HAMILTON		State/Province: KS		BRP: 0 psi		BHST: 141 °F	
Rig Name: VAL ENERGY 2		Drilled For: Disposal		Service Via: Land		Well MD: 6,340 ft	
Offshore Zone: New		Well Class: New		Well Type: Development		Well TVD: 6,340 ft	
Drilling Fluid Type: Bentonite		Max. Density: 9.36 lb/gal		Plastic Viscosity: 35 cp		Pore Press. Gradient: 0 psi/ft	
Service Line: Cementing		Job Type: Cem Prod Casing		Casing Line: 6035		Grade: K55	
Max. Allowed Tubing Pressure: 1500 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: Single cement head		Thread: 8RD	
Service Instructions: Cement 5 1/2" casing in 2 etages as instructed		Mileage: 60		Perforations: Open Hole		Depth, ft: 0	
				Top, ft: 0		Bottom, ft: 0	
				SPR: 0		No. of Shots: 0	
				Total Interval: 0 ft		Diameter: 0 in	
				Treat Down: Casing		Displacement: 71 bbl	
				Packer Type: Seal Bore		Packer Depth: 6035 ft	
				Tubing Vol.: 0 bbl		Casing Vol.: 71 bbl	
				Annular Vol.: 94 bbl		Open Hole Vol.: 0 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job	
L22 Pressure: 4320 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reinspected <input type="checkbox"/>		Shoe Type: Other	
No. Connections: 12		Top Plug: 1		Bottom Plug: 0		Shoe Depth: 6035 ft	
Cement Head Type: Single		Job Scheduled For: 8/20/99 10:00		Arrived on Location: 8/20/99 10:00		Leave Location: 8/20/99 22:30	
						Stage Tool Type: dv	
						Tool Depth: 0 ft	
						Stage Tool Depth: 3074 ft	
						Tall Pipe Size: 0 in	
						Collar Type:	
						Tall Pipe Depth: 0 ft	
						Collar Depth: ft	
						Box Total Vol: 0 bbl	
Time	Control	Density	Pressure	Toolstruck	Top Vol	Bottom Vol	Message
20:11	0	0	0	0	0	0	START ACQUISITION
20:11	0	6.25	365.8	0	0	0	
20:12	0	8.27	27.47	0	0	0	
20:12	0	8.2	22.89	0	0	0	
20:13	0.378	8.33	228.9	4.64	0.378	0	
20:13	3.64	8.33	215.2	5.7	3.64	0	
20:14	6.99	8.33	201.5	5.68	6.99	0	
20:15	10.33	8.89	210.6	5.7	10.33	0	
20:15	10.33	8.89	210.6	5.7	10.33	0	Reset Volume
20:15	10.33	8.89	210.6	5.7	10.33	0	[CumVol]=10.53 bbl
20:15	10.33	8.89	210.6	5.7	10.33	0	Start Mixing Lead Slurry
20:15	3.06	12.11	261.	5.73	13.68	0	
20:16	6.41	12.55	256.4	5.73	17.03	0	RECEIVED
20:16	9.77	12.42	239.5	5.7	20.39	0	RECEIVED
20:17	13.12	12.55	206.	5.73	23.74	0	RECEIVED
20:18	16.47	12.34	160.3	5.73	27.09	0	RECEIVED
20:18	19.82	12.34	151.1	5.7	30.44	0	RECEIVED
20:19	23.17	12.3	151.1	5.7	33.79	0	RECEIVED
20:19	26.52	12.32	146.5	5.73	37.14	0	RECEIVED
20:20	29.87	12.55	160.3	5.73	40.49	0	RECEIVED
20:20	33.22	12.46	151.1	5.73	43.84	0	RECEIVED
20:21	36.57	12.46	151.1	5.73	47.19	0	RECEIVED

Well		Field				Service Date		Customer	Job Number
HCU #3120 E								JIS DREYFUS NATURAL GA	20120630
Time	CumVol	Density	Pressure	Vol/Wireline	Total			Message	
24 hr clock	BBL	PPG	PSI	BBL	BBL				
20:22	39.92	12.34	155.7	5.7	50.54	0	0		
20:22	43.27	12.4	155.7	5.73	53.89	0	0		
20:23	46.61	12.47	164.8	5.73	57.24	0	0		
20:23	49.96	12.37	151.1	5.68	60.59	0	0		
20:24	53.32	12.16	151.1	5.7	63.94	0	0		
20:25	56.46	14.1	192.3	5.51	67.08	0	0	[CumVol]=56.46 bbl	
20:25	56.46	14.1	192.3	5.51	67.08	0	0	Reset Volume	
20:25	56.46	14.1	192.3	5.51	67.08	0	0	Start Mixing Tail Slurry	
20:25	3.19	14.67	219.8	5.7	70.37	0	0		
20:26	6.55	14.74	219.8	5.7	73.72	0	0		
20:26	9.9	14.87	228.9	5.7	77.07	0	0		
20:27	13.25	14.87	219.8	5.7	80.42	0	0		
20:28	16.6	14.7	228.9	5.73	83.77	0	0		
20:28	19.96	14.86	215.2	5.7	87.13	0	0		
20:29	23.3	14.49	215.2	5.7	90.48	0	0		
20:29	26.65	14.85	198.9	5.7	93.83	0	0		
20:30	30.	15.28	219.8	5.7	97.17	0	0		
20:30	33.35	14.55	210.6	5.7	100.5	0	0		
20:31	33.35	14.55	210.6	5.7	100.5	0	0	End Tail Slurry	
20:31	33.35	14.55	210.6	5.7	100.5	0	0	[CumVol]=34.7 bbl	
20:31	33.35	14.55	210.6	5.7	100.5	0	0	Reset Volume	
20:31	33.35	14.55	210.6	5.7	100.5	0	0	Drop Top Plug	
20:31	0.	14.17	0.	0.	101.9	0	0		
20:31	0.	14.17	0.	0.	101.9	0	0	Start Displacement	
20:32	0.	13.77	0.	0.	101.9	0	0		
20:32	0.	13.39	0.	0.	101.9	0	0		
20:33	0.476	13.15	32.05	3.77	102.4	0	0		
20:33	2.87	9.65	59.52	3.75	104.6	0	0		
20:34	5.16	8.6	69.52	4.39	107.	0	0		
20:35	8.26	8.32	91.58	5.73	110.1	0	0		
20:35	11.61	8.2	87.	5.7	113.5	0	0		
20:36	14.96	8.3	68.68	5.7	116.8	0	0		
20:36	18.31	8.33	68.68	5.7	120.2	0	0		
20:37	21.68	8.33	68.68	5.73	123.5	0	0		
20:37	25.01	8.33	73.26	5.73	126.9	0	0		
20:38	28.36	8.33	77.84	5.7	130.2	0	0		
20:39	31.72	8.33	77.84	5.7	133.6	0	0		
20:39	35.07	8.36	73.26	5.7	136.9	0	0		
20:40	38.42	8.32	82.42	5.7	140.3	0	0		
20:40	41.77	8.32	82.42	5.73	143.6	0	0		
20:41	45.12	8.33	87.	5.7	147.	0	0		
20:42	48.46	8.32	123.6	5.73	150.3	0	0		
20:42	51.81	8.32	192.3	5.73	153.7	0	0		
20:43	55.16	8.32	251.8	5.73	157.	0	0	RECEIVED	
20:43	58.51	8.32	325.1	5.7	160.4	0	0	STATE CORPORATION COMMISSION	
20:44	61.86	8.32	389.2	5.7	163.7	0	0		
20:45	65.21	8.32	462.5	5.73	167.1	0	0	20 1000	
20:45	67.03	8.32	348.	2.01	168.9	0	0	20 1000	
20:46	68.19	8.36	357.1	1.98	170.1	0	0		
20:46	69.35	8.36	375.5	1.98	171.2	0	0		
20:47	70.5	8.36	398.4	1.96	172.4	0	0		
20:47	71.64	8.36	412.1	1.93	173.5	0	0		
20:48	72.77	8.36	435.	1.93	174.7	0	0		

Well		Fluid		Service Data		Customer		Job Number
HCU #3120 E						JIS DREYFUS NATURAL GAS		20120550
Time	CurVt	Density	Pressure	In Flowrate	Temp	Message		
24 Hr	ppm	ppg	psi	bbl	bbf			
20:49	73.63	8.36	348.	0.	175.5	0	0	
20:49	73.63	8.36	320.5	0.	175.5	0	0	
20:50	73.63	8.36	315.9	0.	175.5	0	0	
20:50	73.63	8.36	320.5	0.	175.5	0	0	
20:51	73.63	8.36	329.7	0.	175.5	0	0	
20:52	73.71	8.36	457.9	1.37	175.6	0	0	
20:52	74.16	8.36	1671	0.	176.	0	0	
20:53	74.15	8.36	1671	0.	176.	0	0	Bump Plug/Open St.Collar
20:53	74.15	8.36	1676	0.	176.	0	0	
20:53	74.15	8.36	1676	0.	176.	0	0	Bleed Off Pressure
20:53	74.15	8.36	109.9	0.	176.	0	0	
20:54	76.08	8.36	380.	2.18	177.	0	0	
20:54	76.39	8.36	467.	2.24	178.3	0	0	
20:55	77.37	8.36	1708	0.	179.3	0	0	
20:56	77.37	8.36	746.3	0.	179.3	0	0	
20:56	77.37	8.38	210.6	0.	179.3	0	0	
20:57	77.37	8.36	306.8	0.	179.3	0	0	
20:57	77.37	8.36	302.2	0.	179.3	0	0	
20:58	77.37	8.36	306.8	0.	179.3	0	0	
20:59	77.72	8.36	457.9	2.07	179.6	0	0	
20:59	79.	8.36	2157	2.07	180.9	0	0	
21:00	79.03	8.36	1763	0.	180.9	0	0	
21:00	79.03	8.36	650.2	0.	180.9	0	0	
21:01	79.03	8.36	77.84	0.	180.9	0	0	
21:01	79.03	8.36	77.84	0.	180.9	0	0	End Job
21:02	79.03	8.37	32.05	0.	180.9	0	0	

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	M2	Med	Maximum Rate	Total Slurry	slug	Spacer	M2		
6	0	0	6	97	0	10	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
2400	2400	200	2400	0		0 bbl	0 lb/gal		
Avg. M2 Percent	Design'd Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft					
0 %	96 bbl	73 bbl	80 °F						
Customer or Authorized Representative			Dowell Supervisor			<input checked="" type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
DARRELL SWISHER			Jeffrey Dutton						

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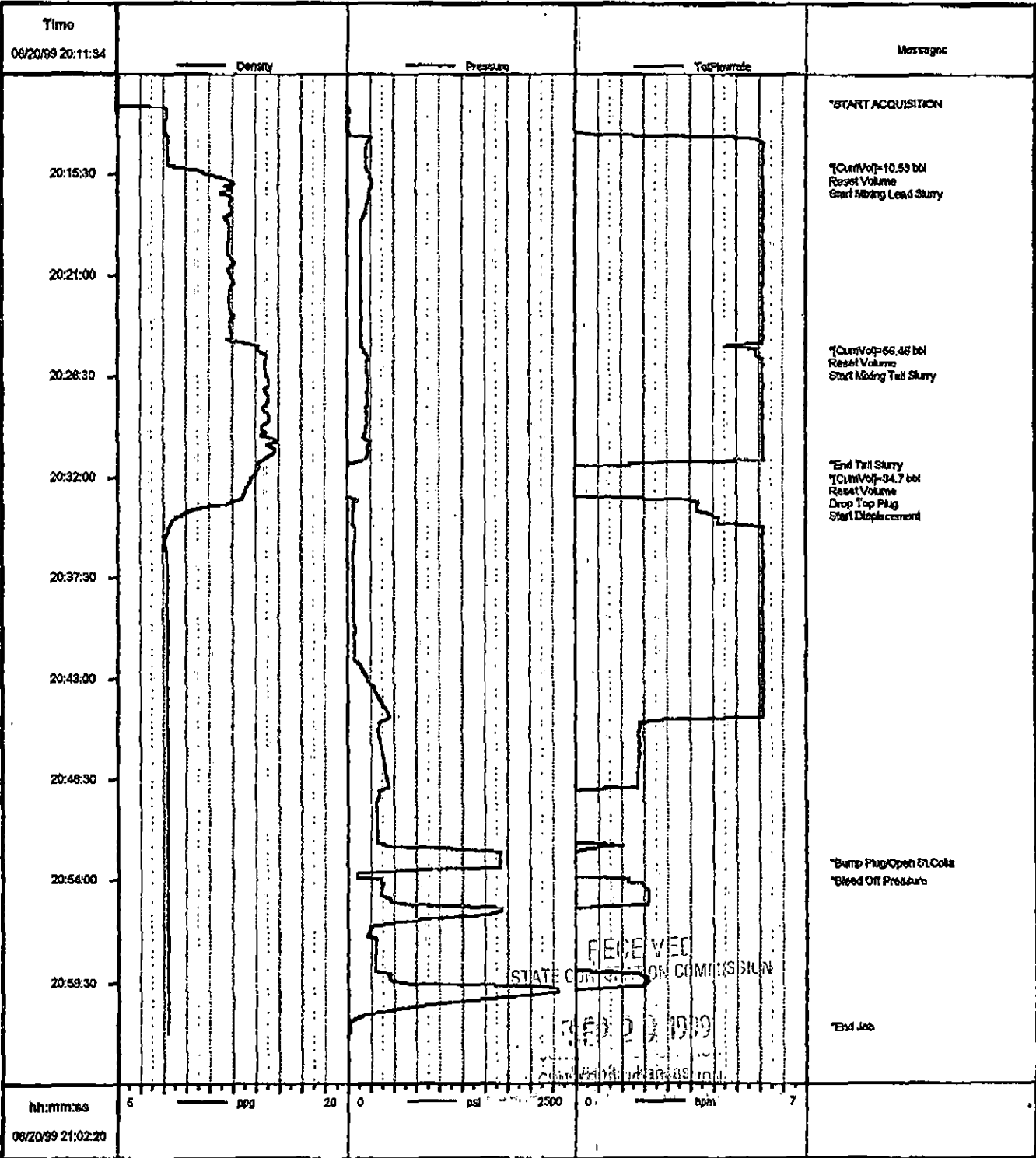
CONSERVATION DIVISION
Wichita, Kansas



Cementing Job Report

PRISM V2.23

Well	HCU 3120 E	Client	Louis Dreyfus
Field		SIR No.	20120680
Country	USA	Job Date	8/20/99 8:11:34 PM



JOB: 14020680
08/20/1999 21:02:20

* Mark of Schlumberger