KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32638
Name: Nadel and Gussman, L.L.C.
Address: 3200 First Place Tower
City/State/Zip: Tulsa, OK 74103
Purchaser: CIG
Operator Contact Person: James Piland
Phone: (918) 583-3333
Contractor: Name: Big A Drilling
License: 31572
Wellsite Geologist: Ken LeBlanc

Designate Type of Completion:

X New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW
X Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

RECEIVED
STATE CORPORATION COMMISSION
FEB 12 2001
2-12-01
CONSERVATION DIVISION

If Workover/Re-entry: Old Well Info as follows:
Operator: ____
Well Name: ____
Original Comp. Date: ____ Original Total Depth: ____
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Enhr.?) Docket No. ____

9/18/00	9/27/00	11/9/00
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 129-21610-0000
County: Morton
C - S2 - SW/4 Sec. 18 Twp. 32 S. R. 42 ☐ East ☒ West
660 feet from (S) / N (circle one) Line of Section
1320 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Stoops Well #: 2-18
Field Name: Mango
Producing Formation: Morrow
Elevation: Ground: ____ Kelly Bushing: ____
Total Depth: 3756 Plug Back Total Depth: 3950
Amount of Surface Pipe Set and Cemented at 1561 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from ____
feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 11/2/01
(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. R. ____ ☐ East ☐ West
County: ____ Docket No.: ____

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 of 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: James R Piland
Title: Manager of Production Date: 1/22/01
Subscribed and sworn to before me this ____ day of January, 2000.
Notary Public: Oklahoma
OFFICIAL SEAL
KATHY GARROW
Creek County
Commission Expires 08/01/2003
Date Commission Expires: 8-1-03

KCC Office Use ONLY

____ Letter of Confidentiality Attached
If Denied, Yes ☐ Date: ____
✓ Wireline Log Received
✓ Geologist Report Received
____ UIC Distribution

KCC

X

Side Two

Operator Name: Nadel and Gussman, L.L.C. Lease Name: Stoops Well #: 2-18

Sec. 18 Twp. 32 S. R. 42 ☐ East ☒ West County: Morton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy) ☒ Yes ☐ No

List All E. Logs Run: Array Induction
Neutron Density
Microlog

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Topeka	2728	+837
Lansing	3402	+162
Marmaton	3936	-371
Atoka	4398	-833
Morrow	4588	-1023
Keyes SS	5075	-1510
Mississippi	5118	-1453

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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4	8-5/8	24	1561	'C'	575	3% 079, 1/4# D29 2% S-1, 1/4# D29
Production	7-7/8	5-1/2	14	3750	35/65 'C'	175	6% gel, 2% CC, 1/4# Flakes
					'C'	300	2% CC, 1/4# Flakes

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
___ Perforate
___ Protect Casing
_X_ Plug Back TD
___ Plug Off Zone

Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
3950-3850'	CL'C'	25	2% CaCl2, 1/4# flakes

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	3632-36' CIBP @ 3350'	1.125 gal 15% HCL	
4	3252-56', 3196-98' CIBP @ 3190'	2.700 gal 15% HCL	
4	3138-48', 3114-20', 3070-74', 3022-26'	1200 gal 15%, 8000 gals 70Q 15%	
4	2740-42', 2749-51'	1200 gals 15%	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	3182	None	☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
10/22/00	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	110	5		

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

METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)

Production Interval

ORIGINAL

Schlumberger

Service Authorization

19-Sep-00

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

Job Number
20178242

Important- See other side for terms and conditions

	Date	Time
ARRIVE LOCATION	9/19/00	8:45:00 AM

Invoice Mailing Address:
NADEL & GUSSMAN

3232 FIRST NAT'L TOWER
TULSA, OK 74103
US

Service Instructions
8 5/8" surface @ approx 1465' in 12 1/4" hole
375 sk lead @ 11.4 ppg
200 sk tail @ 14.8 ppg

Service Description
Cementing Cem Surface Casing

Customer PO	Contract	AFE	Rig
0	0	0	

Well	State/Province	County/Parish/Block	Legal Location
STOOPS 2-18	KANSAS	MORTON	SEC 18-32S-42W

Field: MORTON

Customer or Authorized Representative: TOM DISEKER

THIS IS A CONTRACT. PLEASE READ CAREFULLY. IN CONSIDERATION OF THE PRICES AND THE SERVICES, EQUIPMENT AND/OR PRODUCTS PROVIDED TO CUSTOMER HEREUNDER, CUSTOMER AND SCHLUMBERGER AGREE TO BE BOUND BY THE TERMS AND CONDITIONS ATTACHED OR BY THE TERMS AND CONDITIONS OF A MASTER SERVICE AGREEMENT IF ONE IS IN FORCE BETWEEN CUSTOMER AND SCHLUMBERGER. THERE ARE, AMONG OTHER THINGS, INDEMNITY AND HOLD HARMLESS PROVISIONS AND WARRANTY EXCLUSIONS HEREIN.

Comments

Service Order: I authorize work to begin as set forth herin and represent that I have authority to accept and sign this order.	Signature of Customer or Authorized Representative	Signature of Dowell Representative
	TOM DISEKER	Brennon Fica

Thank you for Calling Dowell!

RECEIVED
STATE CORPORATION COMMISSION

FEB 12 2001

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

Schlumberger Cementing Service Report

Customer	Job Number
NADEL & GUSSMAN	20178242

Well	Location (legal)	Dowell Location	Job Start
STOOPS 2-18	SEC 18-32S-42W	Ulysses, KS	9/19/00

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
MORTON		0 °	12.3 in	1,571 ft	1,571 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
MORTON	KANSAS	0 psi	70 °F	70 °F	0 psi/ft

Rig Name	Drilled For	Service Via
		Land

Offshore Zone	Well Class	Well Type

Drilling Fluid Type	Max. Density	Plastic Viscosity
Native	9.1 lb/gal	3 cp

Service Line	Job Type
Cementing	Cem Surface Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
1000 psi	0 psi	8 5/8" H & M

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
1561	8.63	24		
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	97.8 bbl	None	0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	99.4 bbl	115.4 bbl	0 bbl

Service Instructions

8 5/8" surface @ approx 1465' in 12 1/4" hole
375 sk lead @ 11.4 ppg
200 sk tail @ 14.8 ppg

RECEIVED
STATE CORPORATION COMMISSION
FEB 12 2001
CONSERVATION DIVISION
WICHITA, KS

Casing/Tubing Secured ☑ 1 Hole Volume Circulated prior to Cementing ☐

Lift Pressure: 361 psi

Pipe Rotated ☐ Pipe Reciprocated ☐

No. Centralizers: 3 Top Plugs: 1 Bottom Plugs: 0

Cement Head Type: Single

Job Scheduled For: | Arrived on Location: 9/19/00 8:45 | Leave Location: 9/19/00 14:00

Casing Tools

Shoe Type:	Guide
Shoe Depth:	1571 ft
Stage Tool Type	none
Stage Tool Depth:	0 ft
Collar Type:	Auto-Fill
Collar Depth:	1535 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	0 ft
Tail Pipe Size:	0 in
Tail Pipe Depth:	0 ft
Sqz Total Vol:	0 bbl

Time 24 hr clock	Gun/Vol bbl	Density ppg	Pressure DI psi	Pump bpm	Reset Vol bbl			Message
11:56	0	0	0	0	0	0	0	START ACQUISITION
11:56	0.	5.	-3658	0.	0.	0	0	
11:57	0.	8.36	-4.58	0.	0.	0	0	
11:58	0.	8.36	-4.58	0.	0.	0	0	Bleed Off Pressure
11:58	0.	8.36	-4.58	0.	0.	0	0	[Reset Vol]=0 bbl
11:58	0.	8.36	-4.58	0.	0.	0	0	Start Pumping Water
11:58	0.239	8.38	874.5	0.	0.	0	0	
11:59	0.377	8.28	59.52	1.62	0.139	0	0	
12:00	5.87	8.03	91.58	6.24	5.63	0	0	
12:01	5.87	8.03	91.58	6.24	5.63	0	0	[Reset Vol]=0 bbl
12:01	5.87	8.03	91.58	6.24	5.63	0	0	Start Mixing Lead Slurry
12:01	12.1	11.67	160.3	6.21	4.99	0	0	
12:02	18.36	11.34	151.1	6.21	11.25	0	0	
12:03	24.61	11.46	137.4	6.21	17.49	0	0	
12:04	30.86	11.46	128.2	6.24	23.75	0	0	
12:05	37.11	11.29	100.7	6.24	30.	0	0	
12:06	43.38	11.44	100.7	6.24	36.26	0	0	
12:07	49.63	11.61	109.9	6.24	42.51	0	0	
12:08	55.88	11.48	105.3	6.21	48.76	0	0	
12:09	62.13	11.42	100.7	6.21	55.01	0	0	
12:10	68.38	11.25	100.7	6.24	61.26	0	0	
12:11	74.62	11.36	105.3	6.21	67.51	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number
STOOPS #2-18	MORTON		NADEL & GUSSMAN	20178242

Time 24 hr clock	Dens/Vol bbl	Density ppg	Pressure DH psi	Pump bpm	Reset Vol bbl			Message
12:12	80.87	11.34	105.3	6.21	73.76	0	0	
12:13	87.13	11.2	100.7	6.21	80.01	0	0	
12:15	93.37	12.03	119.	6.21	86.26	0	0	
12:16	99.62	11.59	114.5	6.21	92.51	0	0	
12:17	105.9	11.17	109.9	6.24	98.75	0	0	
12:18	112.1	11.39	114.5	6.21	105.	0	0	
12:19	118.4	11.25	105.3	6.21	111.3	0	0	
12:20	124.6	11.32	109.9	6.21	117.5	0	0	
12:21	130.8	11.52	119.	6.21	123.7	0	0	
12:22	137.1	11.27	114.5	6.21	130.	0	0	
12:23	143.3	11.48	114.5	6.21	136.2	0	0	
12:24	149.6	11.33	114.5	6.21	142.5	0	0	
12:25	155.8	11.38	109.9	6.24	148.7	0	0	
12:26	162.1	11.59	119.	6.21	155.	0	0	
12:27	168.3	11.33	109.9	6.21	161.2	0	0	
12:28	174.6	11.14	100.7	6.21	167.4	0	0	
12:29	180.8	11.29	109.9	6.24	173.7	0	0	
12:30	183.4	11.87	4.58	0.	176.2	0	0	
12:30	183.4	11.87	4.58	0.	176.2	0	0	[Reset Vol]=0 bbl
12:31	183.4	11.87	4.58	0.	176.2	0	0	Start Mixing Tail Slurry
12:31	186.5	13.19	151.1	6.04	1.01	0	0	
12:32	192.6	15.11	210.6	6.04	7.04	0	0	
12:33	198.6	14.92	192.3	6.01	13.09	0	0	
12:34	204.7	14.65	174.	6.04	19.15	0	0	
12:35	210.7	15.13	192.3	5.98	25.18	0	0	
12:36	216.7	15.13	196.9	6.01	31.21	0	0	
12:37	222.8	14.55	169.4	6.01	37.25	0	0	
12:38	228.8	15.14	183.2	5.96	43.28	0	0	
12:38	228.8	15.14	183.2	5.96	43.28	0	0	[Reset Vol]=0 bbl
12:38	228.8	15.14	183.2	5.96	43.28	0	0	Drop Top Plug
12:38	228.8	15.14	183.2	5.96	43.28	0	0	Start Displacement
12:39	231.9	5.	-9.16	0.	0.044	0	0	
12:40	231.9	5.	22.89	0.	0.044	0	0	
12:41	232.3	5.	9.16	1.15	0.449	0	0	
12:42	237.	5.	41.21	5.48	5.11	0	0	
12:43	242.5	5.	41.21	5.42	10.6	0	0	
12:44	248.	5.	27.47	5.48	16.09	0	0	
12:45	253.5	5.	27.47	5.48	21.6	0	0	
12:46	259.3	5.	50.37	6.21	27.39	0	0	
12:47	265.5	5.	64.1	6.21	33.62	0	0	
12:48	271.7	5.	77.84	6.24	39.85	0	0	
12:49	278.	5.	100.7	6.18	46.08	0	0	
12:50	284.2	5.	137.4	6.15	52.3	0	0	
12:51	290.4	5.	187.7	6.15	58.48	0	0	
12:52	296.5	5.	233.5	6.15	64.66	0	0	
12:53	302.7	5.	279.3	6.1	70.83	0	0	
12:54	308.9	5.	338.8	6.15	76.98	0	0	
12:55	315.	5.	375.5	6.12	83.13	0	0	
12:56	321.1	5.	430.4	6.12	89.27	0	0	
12:57	327.	5.	1016	0.	95.15	0	0	
12:58	327.	5.	1016	0.	95.15	0	0	Bump Top Plug
12:58	327.	5.	1016	0.	95.15	0	0	
12:58	327.	5.	1016	0.	95.15	0	0	Bleed Off Pressure
12:59	327.	5.	897.4	0.	95.15	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number
STOOPS #2-18	MORTON		NADEL & GUSSMAN	20178242

Time (24 hr Clock)	Cmnt Vol (bbl)	Density (ppg)	Pressure (psi)	Pump (bpm)	Fluid Vol (bbl)	Message

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
6	0	0	6

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
225	0	7	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
1021	0	150	900	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
0 %	239 bbl	95 bbl	70 °F	☑	20 bbl

☐ Washed Thru Perfs To 0 ft

Customer or Authorized Representative	Dowell Supervisor		
TOM DISEKER	Brennon Fica	☐ Circulation Lost	☑ Job Completed

ORIGINAL

Schlumberger

Service Authorization

29-Sep-00

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

Job Number
20179873

Important- See other side for terms and conditions

ARRIVE LOCATION	Date	Time
	9/28/00	5:00:00 PM

Invoice Mailing Address:
NADEL & GUSSMAN

3232 FIRST NAT'L TOWER
TULSA, OK
US

Service Instructions
Cement 5 1/2"production casing as per client's request
use 25 sks tail cement for plug back @3950'

Service Description
Cementing - Cem Prod Casing

Customer PO	Contract	AFE	Rig
0	0	0	

Well	State/Province	County/Parish/Block	Legal Location
STOOPS 2-18	KS		

Field	Customer or Authorized Representative
	Tom Diseker

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Comments

Service Order: I authorize work to begin as set forth herin and represent that I have authority to accept and sign this order.	Signature of Customer or Authorized Representative	Signature of Dowell Representative
	Tom Diseker	Jeffrey Dutton

Thank you for Calling Dowell!

Schlumberger

Cementing Service Report

ORIGINAL

Customer	Job Number
NADEL & GUSSMAN	201.73873

Well	Location (legal)	Dowell Location	Job Start
STOOPS 2-18		Ulysses, KS	9/29/00

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
	Chase	0 °	0 in	5,200 ft	5,200 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
	KS	0 psi	0 °F	0 °F	0 psi/ft

Rig Name	Drilled For	Service Via
	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Rigless

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite	10 lb/gal	60 cp

Service Line	Job Type
Cementing	Cem Prod Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
2500 psi	0 psi	Single cement head

Service Instructions

Cement 5 1/2"production casing as per client's request
use 25 sks tail cement for plug back @3950'

Prod. Csg.

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
3756	5.5	14	K55	8RD
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	90.5 bbl		0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	91 bbl	116 bbl	0 bbl

Casing/Tubing Secured ☐ 1 Hole Volume Circulated prior to Cementing ☐

Lift Pressure:	2213 psi	Pipe Rotated ☐	Pipe Reciprocated ☐

No. Centralizers:	12	Top Plugs:	1	Bottom Plugs:	0

Cement Head Type:	Single

Job Scheduled For:	Arrived on Location:	Leave Location:
	9/28/00 17:00	9/29/00 11:00

Casing Tools

Shoe Type:	Guide
Shoe Depth:	3756 ft
Stage Tool Type	
Stage Tool Depth:	0 ft
Collar Type:	Auto-Fill
Collar Depth:	3711 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	0 ft
Tail Pipe Size:	0 in
Tail Pipe Depth:	0 ft
Sqz Total Vol:	0 bbl

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure (psi)	TotFlowrate (bpm)	TotVol (bbl)			Message
9:09	0	0	0	0	0	0	0	START ACQUISITION
9:09	0.	8.36	9.16	0.	0.	0	0	
9:09	0.	8.36	9.16	0.	0.	0	0	Pressure Test Lines
9:09	0.046	8.32	9.16	0.	0.046	0	0	
9:10	0.046	8.32	9.16	0.	0.046	0	0	Start Pumping Water
9:10	1.43	8.36	233.5	5.14	1.43	0	0	
9:11	5.72	8.36	274.7	5.73	5.72	0	0	
9:12	10.03	8.36	270.1	5.68	10.03	0	0	
9:12	10.03	8.36	270.1	5.68	10.03	0	0	Start Pumping Wash
9:12	14.34	8.33	238.1	5.7	14.34	0	0	
9:13	18.64	8.33	68.68	5.7	18.64	0	0	
9:14	18.64	8.33	68.68	5.7	18.64	0	0	Reset Volume
9:14	18.64	8.33	68.68	5.7	18.64	0	0	[CumVol]=20.94 bbl
9:14	1.91	8.26	279.3	5.7	22.95	0	0	
9:15	1.91	8.26	279.3	5.7	22.95	0	0	Reset Volume
9:15	1.91	8.26	279.3	5.7	22.95	0	0	[CumVol]=5.651 bbl
9:15	0.477	10.98	297.6	5.7	27.26	0	0	
9:15	0.477	10.98	297.6	5.7	27.26	0	0	Start Mixing Lead Slurry
9:15	4.79	12.55	311.4	5.7	31.57	0	0	
9:16	9.09	12.13	315.9	5.73	35.87	0	0	
9:17	13.4	11.9	251.8	5.73	40.18	0	0	
9:18	17.7	12.48	224.4	5.7	44.48	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number
STOOPS #2-18			NADEL & GUSSMAN	20179873

Time	CumVol	Density	Pressure	TotFlowrate	TotVol			Message
24 hr clock	bbl	ppg	psi	bpm	bbl			
9:18	22.01	12.42	187.7	5.7	48.79	0	0	
9:19	26.32	12.29	[illegible]	[illegible]	53.1	0	0	
9:20	30.63	12.39	174.	5.7	57.41	0	0	
9:21	34.93	12.87	187.7	5.7	61.71	0	0	
9:21	39.24	12.48	174.	5.7	66.02	0	0	
9:22	43.56	12.55	183.2	5.7	70.34	0	0	
9:23	47.86	12.28	164.8	5.7	74.64	0	0	
9:24	52.17	12.36	160.3	5.7	78.95	0	0	
9:24	56.47	12.48	174.	5.7	83.26	0	0	
9:25	60.78	12.3	164.8	5.7	87.56	0	0	
9:26	65.1	12.03	141.9	5.73	91.88	0	0	
9:27	65.1	12.03	141.9	5.73	91.88	0	0	Reset Volume
9:27	65.1	12.03	141.9	5.73	91.88	0	0	[CumVol]=68.16 bbl
9:27	65.1	12.03	141.9	5.73	91.88	0	0	End Lead Slurry
9:27	65.1	12.03	141.9	5.73	91.88	0	0	Start Mixing Tail Slurry
9:27	1.15	10.68	132.8	5.7	96.18	0	0	
9:27	5.45	15.	192.3	5.7	100.5	0	0	
9:28	9.76	14.87	224.4	5.7	104.8	0	0	
9:29	14.06	15.19	224.4	5.7	109.1	0	0	
9:30	18.37	14.74	219.8	5.7	113.4	0	0	
9:30	22.68	14.87	219.8	5.7	117.7	0	0	
9:31	26.99	14.93	219.8	5.7	122.	0	0	
9:32	31.29	14.7	206.	5.7	126.3	0	0	
9:33	35.6	15.2	224.4	5.73	130.6	0	0	
9:33	39.9	14.8	210.6	5.7	134.9	0	0	
9:34	44.22	15.09	206.	5.73	139.3	0	0	
9:35	48.53	14.9	224.4	5.73	143.6	0	0	
9:36	52.83	14.74	219.8	5.7	147.9	0	0	
9:37	57.13	14.96	224.4	5.73	152.2	0	0	
9:37	61.44	15.15	233.5	5.7	156.5	0	0	
9:38	65.75	14.96	224.4	5.73	160.8	0	0	
9:39	70.06	14.68	206.	5.73	165.1	0	0	
9:40	74.36	15.16	224.4	5.7	169.4	0	0	
9:40	78.66	15.88	219.8	5.73	173.7	0	0	
9:41	78.66	15.88	219.8	5.73	173.7	0	0	Shutdown
9:41	78.66	15.88	219.8	5.73	173.7	0	0	[CumVol]=79.91 bbl
9:41	78.66	15.88	219.8	5.73	173.7	0	0	Reset Volume
9:41	78.66	15.88	219.8	5.73	173.7	0	0	PAUSE ACQUISITION
9:45	78.66	15.88	219.8	5.73	173.7	0	0	RESTART AFTER PAUSE
9:45	0.	8.52	-18.32	0.	174.9	0	0	
9:45	0.	8.52	-18.32	0.	174.9	0	0	Drop Top Plug
9:45	0.	8.52	-18.32	0.	174.9	0	0	Start Displacement
9:45	2.66	8.56	77.84	5.7	177.6	0	0	
9:46	6.95	8.51	87.	5.73	181.9	0	0	
9:47	11.23	8.47	82.42	5.7	186.2	0	0	
9:48	15.52	8.48	82.42	5.7	190.5	0	0	
9:48	19.81	8.41	77.84	5.7	194.8	0	0	
9:49	24.1	8.46	91.58	5.7	199.1	0	0	
9:50	28.4	8.46	96.15	5.7	203.3	0	0	
9:51	32.7	8.45	96.15	5.73	207.6	0	0	
9:51	36.99	8.46	91.58	5.7	211.9	0	0	
9:52	41.29	8.46	96.15	5.68	216.2	0	0	
9:53	45.58	8.44	91.58	5.73	220.5	0	0	
9:54	49.87	8.44	219.8	5.7	224.8	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number
STOOPS #2-18			NADEL & GUSSMAN	20179873

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure (psi)	TotFlowrate (bpm)	TotVol (bbl)			Message
9:54	54.17	8.42	288.5	5.7	229.1	0	0	
9:55	58.46	8.4	370.9	5.73	233.4	0	0	
9:56	62.76	8.39	435.	5.7	237.7	0	0	
9:57	67.05	8.4	522.	5.73	242.	0	0	
9:57	71.34	8.39	599.8	5.7	246.3	0	0	
9:58	75.64	8.36	696.	5.7	250.6	0	0	
9:59	79.92	8.33	773.8	5.73	254.9	0	0	
9:59	79.92	8.33	773.8	5.73	254.9	0	0	Lower Pump Rate
10:00	82.2	8.39	650.2	2.01	257.1	0	0	
10:00	83.72	8.47	705.1	2.01	258.7	0	0	
10:01	85.24	8.48	718.9	2.04	260.2	0	0	
10:02	86.75	8.48	750.9	2.04	261.7	0	0	
10:03	88.27	8.41	805.9	2.04	263.2	0	0	
10:04	89.78	8.44	819.6	2.01	264.7	0	0	
10:04	91.23	8.82	1401	0.	266.2	0	0	
10:04	91.23	8.82	1401	0.	266.2	0	0	Bump Top Plug
10:05	91.23	8.85	1406	0.	266.2	0	0	
10:06	91.23	8.85	1410	0.	266.2	0	0	
10:07	91.23	8.5	1419	0.	266.2	0	0	
10:07	91.23	8.72	1419	0.	266.2	0	0	
10:08	91.23	8.39	1424	0.	266.2	0	0	
10:09	91.23	8.76	1424	0.	266.2	0	0	
10:10	91.23	8.81	1424	0.	266.2	0	0	
10:10	91.23	8.81	1424	0.	266.2	0	0	Bleed Off Pressure
10:10	91.23	8.82	425.8	0.	266.2	0	0	
10:11	91.23	8.83	0.	0.	266.2	0	0	
10:12	91.23	8.84	0.	0.	266.2	0	0	
10:13	91.23	8.83	4.58	0.	266.2	0	0	
10:13	91.23	8.83	4.58	0.	266.2	0	0	End Job
10:13	91.23	8.83	4.58	0.	266.2	0	0	PAUSE ACQUISITION

RECEIVED
STATE CORPORATION COMMISSION
FEB 12 2001
CONSERVATION DIVISION

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
5	0	0	6

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
146	0	20	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
1400	850	300	1400	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
0 %	145 bbl	91 bbl	80 °F	☐ Washed Thru Perfs	To 0 ft

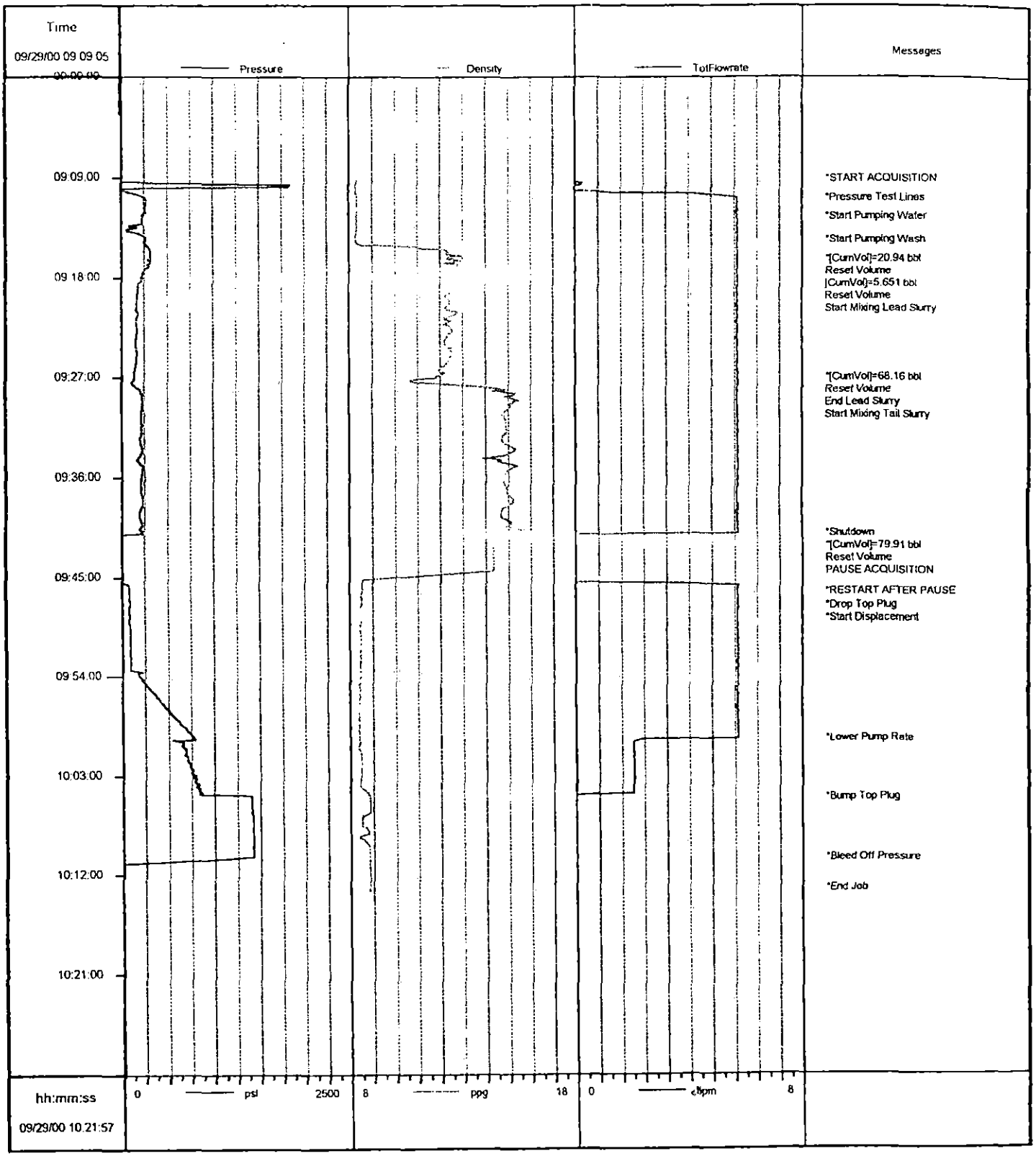
Customer or Authorized Representative	Dowell Supervisor		
Tom Diseker	Jeffrey Dutton	☐ CirculationLost	☑ Job Completed

Cementing Job Report

ORIGINAL

PRISM* V2.23

Well	Stoop 2-18	Client	Nadel & Gussman
Field	Chase	SIR No.	20179873
Country	USA	Job Date	9/29/2000 9:09:05 AM



* Mark of Schlumberger

Schlumberger
Dowell

PRISM* V2.23 - Tabular Report

ORIGINAL
Cementing

Job Administration Data

Client	Nadel & Gussman
Client Rep.	James
Well Name	Stoop 2-18
Field Name	Chase
Rig Name	
Rig Contractor	
Contractor Rep.	
Serv. Location	Ulysses, Ks 2054
Dowell Engineer	Mr. Jeff Dutton
Dowell Phone	316-356-1272
Acq. Front End	1 JAB/Hybrid RDA - 1 Cement Unit
Start Date	09/28/2000 18:00:53
End Date	09/28/2000 18:29:33
SIR Number	20179873
Description	Production Casing

Set Plug.

Channels Description

Channel	Description	Minimum	Maximum	Unit
Acquisition Time	Acquisition time	09/28/2000 18:00:53	09/28/2000 18:16:34	
CumVol	Cumulative Volume	0	52.01	bbl
Density	Micromotion DS300S NRD 0 to 25 ppg	-6.25	18.59	ppg
Pressure	Viatran 500 Pressure Transducer 4-20mA 0-15 kpsi	-3782	819.6	psi
TotFlowrate	Total Flowrate	0	5.732	bpm
TotVol		0	58.32	bbl

Acquisition Data

Acquisition Time	CumVol	Density	Pressure	TotFlowrate	TotVol	Messages
09/28/2000 18:00:53	-	-	-	-	-	START ACQUISITION
09/28/2000 18:00:53	0.	-6.25	-3782	0.	0.	
09/28/2000 18:01:23	0.	7.891	13.74	0.	0.	
09/28/2000 18:01:53	0.	12.23	4.579	0.	0.	
09/28/2000 18:02:23	0.	14.93	13.74	0.	0.	
09/28/2000 18:02:54	1.08	14.96	141.9	3.187	1.08	
09/28/2000 18:03:24	2.239	14.4	64.1	2.013	2.239	
09/28/2000 18:03:54	3.716	14.67	137.4	3.691	3.716	
09/28/2000 18:04:24	5.563	12.15	91.58	3.691	5.563	
09/28/2000 18:04:36	-	-	-	-	-	[CumVol]=6.241 bbl
09/28/2000 18:04:36	-	-	-	-	-	Reset Volume
09/28/2000 18:04:54	1.11	10.19	50.37	3.691	7.413	
09/28/2000 18:05:24	3.079	10.18	87.	4.921	9.382	
09/28/2000 18:05:55	5.576	9.86	141.9	4.977	11.88	
09/28/2000 18:06:25	8.074	9.844	64.1	5.033	14.38	
09/28/2000 18:06:55	10.57	9.844	164.8	4.977	16.87	
09/28/2000 18:07:25	13.21	9.86	228.9	5.396	19.51	
09/28/2000 18:07:55	16.06	9.86	274.7	5.704	22.36	
09/28/2000 18:08:25	18.93	9.86	306.8	5.704	25.23	
09/28/2000 18:08:56	21.79	9.86	366.3	5.704	28.1	
09/28/2000 18:09:26	24.66	9.86	439.6	5.676	30.97	
09/28/2000 18:09:56	27.53	9.86	522.	5.676	33.84	
09/28/2000 18:10:26	30.4	9.86	595.2	5.704	36.71	
09/28/2000 18:10:56	33.28	9.86	673.1	5.704	39.58	
09/28/2000 18:11:26	36.04	9.86	705.1	5.424	42.34	

Acquisition Time	CumVol	Density	Pressure	TotFlowrate	TotVol	Messages
09/28/2000 18:11:57	38.77	9.86	769.2	5.424	45.07	
09/28/2000 18:12:27	41.49	9.86	783.	5.396	47.8	
09/28/2000 18:12:57	44.01	9.86	769.2	4.977	50.32	
09/28/2000 18:13:27	46.48	9.86	755.5	4.837	52.79	
09/28/2000 18:13:57	48.89	9.86	737.2	4.809	55.2	
09/28/2000 18:14:27	51.3	9.86	810.4	4.781	57.61	
09/28/2000 18:14:44	-	-	-	-	-	Shutdown
09/28/2000 18:14:58	52.01	10.15	402.9	0.	58.32	
09/28/2000 18:15:28	52.01	10.26	407.5	0.	58.32	
09/28/2000 18:15:58	52.01	10.27	4.579	0.	58.32	
09/28/2000 18:16:28	52.01	10.28	4.579	0.	58.32	
09/28/2000 18:29:33	-	-	-	-	-	STOP ACQUISITION

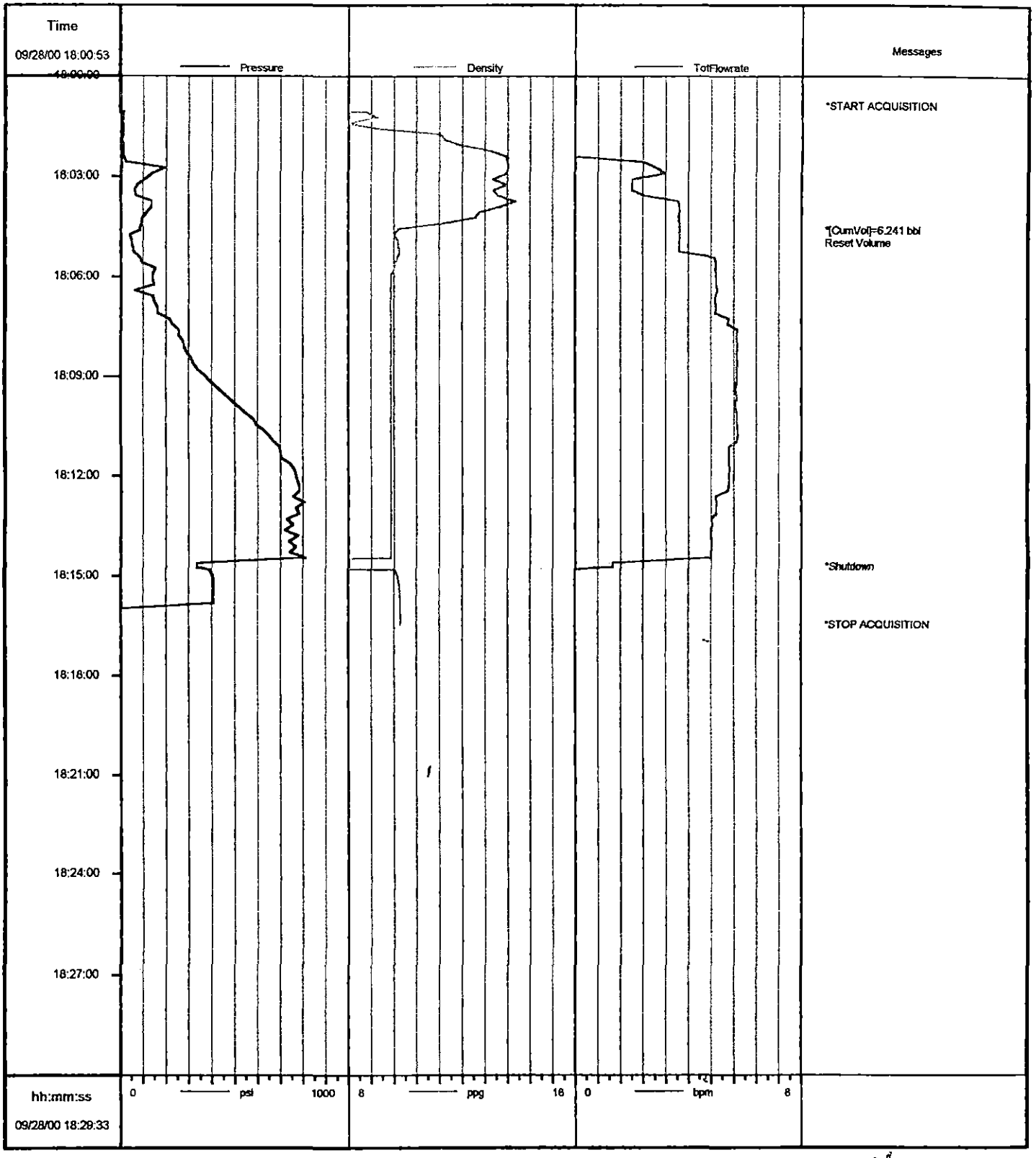
Schlumberger

Cementing Job Report

ORIGINAL

PRISM* V2.23

Well	Stoop 2-18	**Client**	Nadel & Gussman
Field	Chase	**SIR No.**	20179873
Country	USA	**Job Date**	9/28/2000 6:00:53 PM



Job: ng79873

09/29/2000 02:24:49

* Mark of Schlumberger