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: None

Designate Type of Completion:
X New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

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.

10/8/00	10/11/00	11/9/00
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 129-21622-0000
County: Morton
S2 - S2 - NW/4 Sec. 14 Twp. 32 S. R. 42 ☐ East ☒ West
2820 feet from S / (N) (circle one) Line of Section
1250 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Jackson Well #: 2-14
Field Name: Greenwood
Producing Formation: Topeka
Elevation: Ground: 3498 Kelly Bushing: 3509
Total Depth: 3400 Plug Back Total Depth: 3346
Amount of Surface Pipe Set and Cemented at 531' Feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 3350 Feet
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 3/29/01
(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: 1-30-01
Lease Name: License No.:
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: Docket No.:

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 30 2001
CONSERVATION DIVISION
WICHITA, KS

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 22nd day of January, 2000.
Notary Public: Kathy Garrow
Date Commission Expires: 8-1-03

Notary Public Oklahoma
OFFICIAL SEAL
KATHY GARROW
Creek County
Commission Expires 08-01-2003

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

Side Two

Operator Name: Nadel and Gussman, L.L.C. Lease Name: Jackson Well #: 2-14

Sec. 14 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: Induction
Neutron Density w/Microlog

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

Name	Top	Datum
Topeka	2814	+694

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	531	35/65 'C' Poz 'C'	100 155	2% CC 6% gel ¼# Flakes 2% CC ¼# Flakes
Production	7-7/8	5-1/2	14	3395	35/65 'C' Poz 'C'	120 100	2% CC 6% gel ¼# Flakes 2% CC ¼# Flakes

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	3232-34' Set CIBP @ 3220	500 gals 15% HCL	
4	3154-56', 3148-50', 3118-26'	600 gals 15% HCL 4000 gals 70Q 15% HCL	
4	2746-58', 2733-36'	700 gals 15% HCL 5000 gals 70Q 15% HCL	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	3184'	None	☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
11/9/00	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	220	5		

Disposition of Gas METHOD OF COMPLETION Production Interval: @3154'- 2733' OA

☐ Vented ☒ Sold ☐ Used on Lease *(If vented, Sumit ACO-18.)*

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other *(Specify)*

ORIGINAL

Schlumberger

Service Authorization

08-Oct-00

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

Job Number
20181771

Important- See other side for terms and conditions

	Date	Time
ARRIVE LOCATION	10/8/00	6:00:00 AM

Invoice Mailing Address:
NADEL & GUSSMAN

3232 FIRST NATL TOWER
TULSA, OK
US

Service Instructions
Cement 8 5/8 surface casing as per customer's request

Service Description
Cementing - Cem Surface Casing

Customer PO	Contract	AFE	Rig
0	0	0	ABERCROMBIE RTD 4

Well	State/Province	County/Parish/Block	Legal Location
JACKSON 2-14	Kansas	Morton	

Field	Customer or Authorized Representative
Hugoton	Tommy 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
	Tommy Diseker	Brennon Fica

Thank you for Calling Dowell!

ORIGINAL

Schlumberger Cementing Service Report

Customer	Job Number
NADEL & GUSSMAN	20161771

Well	Location (legal)	Dowell Location	Job Start
JACKSON 2-14		Ulysses, KS	10/8/00

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Hugoton			0 in	[illegible] ft	[illegible] 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
Big A DRILLING 4	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
native	8.4 lb/gal	3 cp

Service Line	Job Type
Cementing	Cem Surface Casing

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

Service Instructions

Cement 8 5/8 surface casing as per customer's request

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
521	8.63	24	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	31.4 bbl		0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	33 bbl	39 bbl	0 bbl

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

Lift Pressure: 170 psi

Pipe Rotated ☐ Pipe Reciprocated ☐

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

Cement Head Type: Single

Job Scheduled For:	Arrived on Location:	Leave Location:
	10/8/00 6:00	10/8/00 11:00

Casing Tools

Shoe Type:	Guide
Shoe Depth:	530 ft
Stage Tool Type	
Stage Tool Depth:	0 ft
Collar Type:	Auto-Fill
Collar Depth:	492.8 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)	Cum Vol (bbl)	Density (PPG)	Pressure WI (psi)	Pump (bpm)	Reset Vol (bbl)			Message
9:24	0	0	0	0	0	0	0	START ACQUISITION
9:24	0.	-6.25	-3805	0.	0.	0	0	
9:24	0.	-6.25	-3805	0.	0.	0	0	Pressure Test Lines
9:24	0.258	8.32	151.1	1.34	0.258	0	0	
9:25	0.28	8.32	1209	0.	0.28	0	0	
9:25	0.28	8.32	13.74	0.	0.28	0	0	
9:26	1.17	8.33	132.8	4.31	1.17	0	0	
9:26	3.71	8.33	183.2	5.06	3.71	0	0	
9:26	3.71	8.33	183.2	5.06	3.71	0	0	Start Pumping Water
9:27	6.42	8.37	192.3	5.7	6.42	0	0	
9:27	9.29	8.36	196.9	5.73	9.29	0	0	
9:28	12.17	8.39	201.5	5.73	12.17	0	0	
9:28	12.17	8.39	201.5	5.73	12.17	0	0	[Reset Vol]=0 bbl
9:28	12.17	8.39	201.5	5.73	12.17	0	0	Start Mixing Lead Slurry
9:28	15.04	9.25	215.2	5.73	1.43	0	0	
9:29	17.91	11.56	238.1	5.73	4.31	0	0	
9:29	20.78	12.65	256.4	5.7	7.18	0	0	
9:30	23.65	12.51	238.1	5.68	10.05	0	0	
9:30	26.52	12.03	224.4	5.7	12.92	0	0	
9:31	29.39	12.32	215.2	5.68	15.79	0	0	
9:31	32.26	12.13	196.9	5.73	18.66	0	0	
9:32	35.14	12.31	196.9	5.7	21.54	0	0	

ORIGINAL

Well	Field	Service Data	Customer	Job Number
JACKSON #2-14	Hugoton	—	NADEL & GUSSMAN	20181771

Time	CumVol	Density	Pressure Ut	Pump	Reset Vol			Message
24 hr clock	bbl	ppg	psi	bpm	bbl			
9:32	38.01	12.19	178.6	5.7	24.41	0	0	
9:33	40.88	12.41	187.7	5.7	27.28	0	0	
9:33	43.75	12.24	178.6	5.7	30.15	0	0	
9:34	46.62	12.33	174.	5.7	33.01	0	0	
9:34	49.49	12.39	178.6	5.73	35.88	0	0	
9:35	52.36	12.34	164.8	5.7	38.75	0	0	
9:35	55.23	12.16	160.3	5.7	41.63	0	0	
9:36	55.23	12.16	160.3	5.7	41.63	0	0	[Reset Vol]=0 bbl
9:36	58.11	13.38	169.4	5.7	0.383	0	0	Start Mixing Tail Slurry
9:36	58.11	13.38	169.4	5.7	0.383	0	0	
9:36	60.98	13.54	174.	5.7	3.25	0	0	
9:37	63.85	12.29	183.2	5.73	6.13	0	0	
9:37	66.72	15.47	233.5	5.7	8.99	0	0	
9:38	69.59	14.38	210.6	5.7	11.86	0	0	
9:38	72.46	14.21	224.4	5.7	14.73	0	0	
9:39	75.33	14.64	215.2	5.7	17.6	0	0	
9:39	78.2	14.93	215.2	5.7	20.48	0	0	
9:40	81.08	14.74	210.6	5.7	23.35	0	0	
9:40	83.94	14.72	206.	5.73	26.22	0	0	
9:41	86.81	15.18	219.8	5.73	29.09	0	0	
9:41	89.68	15.07	201.5	5.7	31.96	0	0	
9:42	92.55	15.06	210.6	5.73	34.83	0	0	
9:42	95.42	15.06	201.5	5.7	37.7	0	0	
9:43	98.3	15.03	201.5	5.73	40.58	0	0	
9:43	101.2	14.68	183.2	5.7	43.45	0	0	
9:43	101.2	14.68	183.2	5.7	43.45	0	0	[Reset Vol]=0 bbl
9:43	101.2	14.68	183.2	5.7	43.45	0	0	Drop Top Plug
9:43	101.2	14.68	183.2	5.7	43.45	0	0	Start Displacement
9:44	101.8	13.84	0.	0.	0.	0	0	
9:44	101.8	13.86	0.	0.	0.	0	0	
9:45	101.8	13.86	0.	0.	0.	0	0	
9:45	101.8	13.86	0.	0.	0.	0	0	
9:46	103.3	12.	169.4	5.7	1.46	0	0	
9:46	106.1	8.76	87.	5.73	4.33	0	0	
9:47	109.	8.13	73.26	5.7	7.21	0	0	
9:47	109.	8.13	73.26	5.7	7.21	0	0	Returns at Surface
9:47	111.9	8.17	73.26	5.7	10.08	0	0	
9:48	114.7	8.28	100.7	5.73	12.95	0	0	
9:48	117.6	8.33	119.	5.7	15.82	0	0	
9:49	120.5	8.18	137.4	5.7	18.69	0	0	
9:49	123.3	8.41	141.9	5.7	21.56	0	0	
9:50	125.3	0.015	91.58	1.68	23.5	0	0	
9:50	126.2	0.	91.58	1.87	24.42	0	0	
9:51	127.2	0.	114.5	1.87	25.36	0	0	
9:51	128.1	0.	105.3	2.07	26.35	0	0	
9:52	129.2	0.	128.2	2.1	27.4	0	0	
9:52	130.2	0.	119.	2.1	28.45	0	0	
9:53	131.3	0.	137.4	2.07	29.5	0	0	
9:53	132.3	0.	146.5	2.1	30.55	0	0	
9:54	133.4	0.	146.5	2.1	31.59	0	0	
9:54	134.1	0.	915.8	0.	32.32	0	0	
9:55	134.1	0.	915.8	0.	32.32	0	0	
9:55	134.1	0.	915.8	0.	32.32	0	0	Bump Top Plug
9:55	134.1	0.	915.8	0.	32.32	0	0	Bumped plug at 31.5

ORIGINAL

Well	Field	Service Date	Customer	Job Number
JACKSON #2-14	Hugoton		NADEL & GUSSMAN	20181771

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure (psi)	Pump (bpm)	Resat Vol (bbl)			Message
9:55	134.1	0.	915.8	0.	32.32	0	0	Bleed Off Pressure
9:55	134.1	0.	915.8	0.	32.32	0	0	
9:56	134.1	0.	0	0.	32.32	0	0	
9:56	134.1	0.	0.	0.	32.32	0	0	
9:57	134.1	0.	0.	0.	32.32	0	0	Plug holding

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
88	0	11	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
960	0	175	700	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 %	74 bbl	31.5 bbl	65 °F	☑	30 bbl

Washed Thru Perfs To 0 ft

Customer or Authorized Representative: Tommy Diseker

Dowell Supervisor: Brennon Fica

☐ Circulation Lost ☑ Job Completed

ORIGINAL

Schlumberger

Service Authorization

12-Oct-00

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

Job Number
20182371

Important- See other side for terms and conditions

Invoice Mailing Address:
NADEL & GUSSMAN

3232 FIRST NAT'L TOWER
TULSA, OK
US

ARRIVE LOCATION	Date	Time
	10/12/00	1:30:00 AM

Service Instructions
Cement 5 1/2 production casing casing as per customer's request

Service Description
Cementing - Cem Prod Casing

Customer PO	Contract	AFE	Rig
0	0	0	ABERCROMBIE RTD 4

Well	State/Province	County/Parish/Block	Legal Location
JACKSON 2-14	Kansas	Morton	

Field	Customer or Authorized Representative
Hugoton	Tommy 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
	Tommy Diseker	Jeffrey Dutton

Thank you for Calling Dowell!

Schlumberger

Cementing Service Report

ORIGINAL

Customer	Job Number
NADEL & GUSSMAN	20182371

Well	Location (legal)	Dowell Location	Job Start
JACKSON 2-14		Ulysses, KS	10/12/00

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Hugoton	Chase	0 °	7.88 in	3,400 ft	3,396 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Morton	Kansas	0 psi	90 °F	80 °F	0 psi/ft

Rig Name	Drilled For	Service Via
BERCROMBIE RTD	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
Bentonite	9.5 lb/gal	35 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 casing as per customer's request

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
3395	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	82 bbl		0 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
0 bbl	83 bbl	105 bbl	0 bbl

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

Lift Pressure: 2001 psi

Pipe Rotated ☐ Pipe Reciprocated ☑

No. Centralizers: 10 Top Plugs: 1 Bottom Plugs: 0

Cement Head Type: Single

Job Scheduled For:	Arrived on Location:	Leave Location:
10/12/00 1:00	10/12/00 1:30	10/12/00 9:00

Casing Tools

Shoe Type:	Guide
Shoe Depth:	3400 ft
Stage Tool Type	
Stage Tool Depth:	0 ft
Collar Type:	Auto-Fill
Collar Depth:	3350 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
6:18	0	0	0	0	0	0	0	START ACQUISITION
6:18	0.	8.41	-4.58	0.	0.	0	0	
6:19	0.	8.41	-4.58	0.	0.	0	0	Start Pumping Wash
6:19	2.54	8.36	146.5	3.1	2.54	0	0	
6:20	5.64	8.39	146.5	3.1	5.64	0	0	
6:21	8.85	8.36	196.9	3.8	8.85	0	0	
6:22	12.74	7.67	206.	4.14	12.74	0	0	
6:23	16.89	7.9	210.6	4.11	16.89	0	0	
6:24	21.03	8.34	224.4	4.11	21.03	0	0	
6:25	25.17	11.06	251.8	4.08	25.17	0	0	
6:25	25.17	11.06	251.8	4.08	25.17	0	0	[CumVol]=25.37 bbl
6:25	25.17	11.06	251.8	4.08	25.17	0	0	Reset Volume
6:25	25.17	11.06	251.8	4.08	25.17	0	0	Start Mixing Lead Slurry
6:26	3.88	11.64	247.3	4.14	29.33	0	0	
6:27	8.04	12.79	242.7	4.14	33.48	0	0	
6:28	12.2	12.5	219.8	4.14	37.64	0	0	
6:29	16.37	12.11	192.3	4.17	41.81	0	0	
6:30	20.53	12.3	169.4	4.14	45.98	0	0	
6:31	24.72	12.49	151.1	4.17	50.16	0	0	
6:32	28.89	12.34	123.6	4.14	54.33	0	0	
6:33	34.79	11.69	183.2	6.04	60.23	0	0	
6:34	40.83	12.83	210.6	6.01	66.28	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number
JACKSON #2-14	Hugoton		NADEL & GUSSMAN	20182371

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure (psi)	TotFlowrate (bpm)	TotVol (bbl)			Message
6:35	40.83	12.83	210.6	6.01	66.28	0	0	[CumVol]=43.25 bbl
6:35	40.83	12.83	210.6	6.01	66.28	0	0	Reset Volume
6:35	3.53	15.56	283.9	5.98	72.32	0	0	
6:36	9.57	15.31	279.3	5.98	78.37	0	0	
6:37	15.61	14.34	251.8	5.98	84.41	0	0	
6:38	21.65	14.64	233.5	6.01	90.44	0	0	
6:39	24.91	13.89	9.16	0.	93.71	0	0	
6:40	24.91	13.75	9.16	0.	93.71	0	0	
6:41	25.38	5.	137.4	4.75	94.18	0	0	
6:42	30.88	5.	192.3	6.01	99.68	0	0	
6:43	33.22	5.	-4.58	0.	102.	0	0	
6:44	36.45	5.	119.	6.04	105.2	0	0	
6:45	42.53	5.	105.3	6.04	111.3	0	0	
6:46	48.61	5.	109.9	6.07	117.4	0	0	
6:47	54.7	5.	114.5	6.04	123.5	0	0	
6:47	54.7	5.	114.5	6.04	123.5	0	0	[CumVol]=22 bbl
6:48	27.37	5.	114.5	6.04	129.6	0	0	
6:49	33.46	5.	109.9	6.04	135.7	0	0	
6:50	39.53	5.	114.5	6.04	141.7	0	0	
6:51	45.6	5.	206.	6.01	147.8	0	0	
6:52	51.61	5.	274.7	5.96	153.8	0	0	
6:53	57.58	5.	348.	5.93	159.8	0	0	
6:54	63.55	5.	439.6	5.9	165.8	0	0	
6:55	69.46	5.	549.5	5.84	171.7	0	0	
6:56	75.34	5.	654.8	5.82	177.5	0	0	
6:57	75.34	5.	654.8	5.82	177.5	0	0	Lower Pump Rate
6:57	78.72	5.	554.	1.99	180.9	0	0	
6:58	80.67	5.	599.8	1.96	182.9	0	0	
6:59	82.63	5.	636.4	1.93	184.8	0	0	
7:00	84.02	5.	1108	0.	186.2	0	0	
7:00	84.02	5.	1108	0.	186.2	0	0	Bump Top Plug
7:01	84.02	5.	1108	0.	186.2	0	0	Bleed Off Pressure
7:01	84.02	5.	215.2	0.	186.2	0	0	
7:02	84.02	5.	215.2	0.	186.2	0	0	End Job

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
68	0	20	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
1060	650	200	0	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp
0 %	68 bbl	81.5 bbl	60 °F

☐ Cement Circulated to Surface? Volume 0 bbl

☐ Washed Thru Perfs To 0 ft

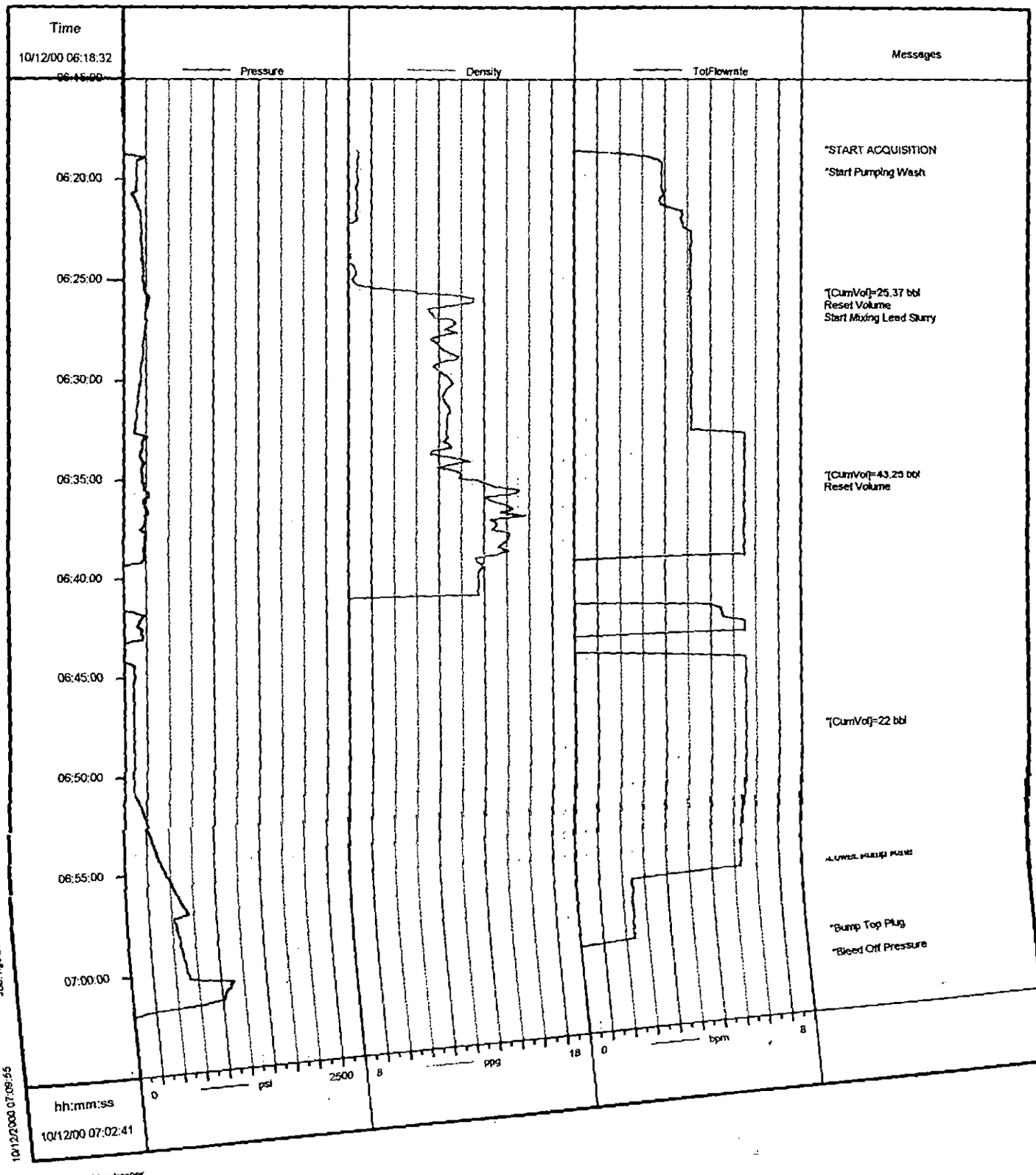
Customer or Authorized Representative	Dowell Supervisor		
Tommy Diseker	Jeffrey Dutton	☐ CirculationLost	☑ Job Completed

Cementing Job Report

ORIGINAL

PRISM* V2.23

Well	Jackson 2-14	**Client**	Nadel & Gussman
Field	Chase	**SIR No.**	20182371
Country	USA	**Job Date**	10/12/2000 6:18:32 AM



Job: ngd2371

10/12/2000 07:09:55

* Mark of Schlumberger