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MAY 13 2002

KCC WICHITA

5-13-2002

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: El Paso  
 Operator Contact Person: Chuck Coday  
 Phone: (918) 583-3333  
 Contractor: Name: Cheyenne Drilling Inc.  
 License: 5382  
 Wellsite Geologist: N/A  
 Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 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. \_\_\_\_\_  

<u>3/4/02</u>	<u>3/7/02</u>	<u>5/9/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

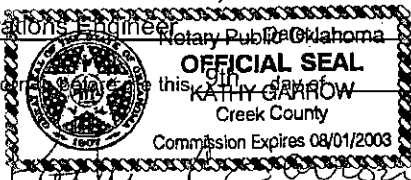
API No. 15 - 129-21663-0000  
 County: Morton  
C SW SW Sec. 16 Twp. 32 S. R. 43  East  West  
1250 feet from S / N (circle one) Line of Section  
1250 feet from E / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Miller Well #: 2-16  
 Field Name: Greenwood  
 Producing Formation: Topeka  
 Elevation: Ground: 3625 Kelly Bushing: 3630  
 Total Depth: 3416 Plug Back Total Depth: 3324  
 Amount of Surface Pipe Set and Cemented at 605 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 cm.

Drilling Fluid Management Plan ALT 1 gpl 11/22/02  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume: Dry 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: Chuck Coday  
 Title: Sr. Operations Engineer  
 Subscribed and sworn to this 9th day of May 192002  
 Notary Public: Kathy Garrow  
 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

✓

X

Operator Name: Nadel and Gussman, L.L.C. Lease Name: Miller Well #: 2-16  
 Sec. 16 Twp. 32 S. R. 43 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum Name Top Datum Topeka 2740 890
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	Yes <input checked="" type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes No	
List All E. Logs Run:		
High Resolution Induction <input checked="" type="checkbox"/>		
Spectral Density Dual Spaced Neutron II <input checked="" type="checkbox"/>		
w/Microlog <input checked="" type="checkbox"/>		
<b>CEMENT BOND</b>		

CASING RECORD							
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	24.0	605'	Light Class 'C' Class 'C'	100 150	3% D79, 0.2% D46, 1/4# D29 2% CaCl2, 1/4# D29
Production	7-7/8	5-1/2	14.0	3416	Light Class 'C' Self Stress I	350 225	3% D79, 0.2% D46, 1/4# D29 1/4# D29
					D79-extender, D46-antifoamer, D29-cello flakes		

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 <i>(Amount and Kind of Material Used)</i>	Depth
2	3260-64	Acidize w/250 gals 15% HCL	
2	2952-54, 2962-73	Acidize w/4500 gals 20% HCL 70Q Foam	
2	3042-44, 3062-66	Acidize 2/2000 gals 20% HCL 70Q Foam	
2	3124-30, 3138-42	Acidize w/3500 gals 20% HCL 70Q Foam	
	RBP set @ 3248 KB on 5/2/02		3248

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.375	3323	NA	Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
4/16/02	Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	85	17		

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Other (Specify) \_\_\_\_\_

Production Interval: 2952 - 3142' OA

Dually Comp.  Commingled

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ORIGINAL



### Cementing Service Report

Customer: **NADEL & GUSSMAN** Job Number: **2205440243**

Well: **Miller 2-16** Location (legal): **Section 16-32S-43W** Schlumberger Location: **Ulysses, KS** Job Start: **2002-Mar-08**

Field: **Hugoton** Formation Name/Type: **Morton** Deviation: **In** Well MD: **3,416 ft** Well TVD: **3,416 ft**

County: **Morton** State/Province: **Ks** BHP: **120 psi** BHST: **120 °F** BHCT: **°F** Pore Press. Gradient: **psi/ft**

Well Master: **D630405200** API/UWI: **Oil & Gas** Service Via: **3416** Casing/Liner: **5.5** Weight: **14** Grade: **K55** Thread: **8RD**

Offshore Zone: **New** Well Class: **Exploration** Well Type: **Other**

Drilling Fluid Type: **Other** Max. Density: **8.9 lb/gal** Plastic Vt: **44** Tubing/Drill Pipe: **Depth, Size, In Weight, lb/ft Grade Thread**

Service Line: **Cementing** Job Type: **Cem Prod Casing**

Max. Allowed Tubing Pressure: **psi** Max. Allowed Ann. Pressure: **psi** Wellhead Connection: **Single cement head**

Service Instructions: **Cement 5-1/2" longstring per customer directions**

Perforations/Open Hole: **Top, ft Bottom, ft spf No. of Shots Total Interval ft**

Treat Down: **Casing** Displacement: **81.9 bbl** Packer Type: **Tubing Vol.** Casing Vol.: **81.9 bbl** Annular Vol.: **bbl** Open Hole Vol.: **bbl**

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

Life Pressure: **2000 psi** Shoe Type: **Guide** Squeeze Job: **Squeeze Type**

Pipe Rotated: **No. Centralizers: 15 Top Plugs: 1 Bottom Plugs:** Shoe Depth: **ft** Tool Type: **ft**

Cement Head Type: **Single** Stage Tool Type: **ft** Tool Depth: **ft**

Job Scheduled For: **Arrived on Location: 2002-Mar-08 2:00 Leave Location: 2002-Mar-08 5:00** Stage Tool Depth: **ft** Tail Pipe Size: **in**

Collar Type: **Auto-Fill** Collar Depth: **ft** Tail Pipe Depth: **ft**

Sqz Total Vol.: **bbl**

Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2002-Mar-08	2:38	-15	0.0	8.31	0.0	0	0	0	
2002-Mar-08	2:38	-10	0.0	8.31	0.0	0	0	0	
2002-Mar-08	2:38								Pressure Test Lines
2002-Mar-08	2:39	-15	0.0	8.31	0.0	0	0	0	
2002-Mar-08	2:39	-15	0.0	8.31	0.0	0	0	0	
2002-Mar-08	2:40	-15	0.0	8.31	0.0	0	0	0	
2002-Mar-08	2:40	4	0.0	8.32	0.0	0	0	0	
2002-Mar-08	2:40								Pressure Test Lines
2002-Mar-08	2:40	54	0.4	8.31	0.1	0	0	0	
2002-Mar-08	2:41	2228	0.0	8.31	0.2	0	0	0	
2002-Mar-08	2:41	13	0.0	8.31	0.2	0	0	0	
2002-Mar-08	2:42	13	0.0	8.31	0.2	0	0	0	
2002-Mar-08	2:42								Start Pumping Spacer
2002-Mar-08	2:42	8	0.0	8.31	0.2	0	0	0	
2002-Mar-08	2:42	31	0.0	8.31	0.2	0	0	0	
2002-Mar-08	2:43	95	4.0	8.31	0.9	0	0	0	
2002-Mar-08	2:43	155	5.2	8.31	3.3	0	0	0	
2002-Mar-08	2:44	100	5.2	8.31	5.9	0	0	0	
2002-Mar-08	2:44	168	5.3	8.31	8.5	0	0	0	
2002-Mar-08	2:45	155	5.3	8.31	11.2	0	0	0	
2002-Mar-08	2:45	164	5.3	8.31	13.8	0	0	0	
2002-Mar-08	2:46	150	5.3	8.31	16.5	0	0	0	

ORIGINAL

Well	Miller #2-16	Field	Hugoton	Service Date	Customer	Job Number			
				0287-Mar-08	NADEL & GUSSMAN	2205440243			
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbt/min	lb/gal	bbt	0	0	0	
2002-Mar-08	2:46	178	5.3	8.31	19.1	0	0	0	
2002-Mar-08	2:47	155	5.3	8.31	21.8	0	0	0	
2002-Mar-08	2:47	155	5.4	8.31	24.5	0	0	0	
2002-Mar-08	2:48	168	5.4	8.31	27.2	0	0	0	
2002-Mar-08	2:48	178	5.4	8.31	30.0	0	0	0	
2002-Mar-08	2:49	196	5.4	8.31	32.7	0	0	0	
2002-Mar-08	2:49	182	5.4	8.31	35.4	0	0	0	
2002-Mar-08	2:50	191	5.4	8.33	38.1	0	0	0	
2002-Mar-08	2:50	182	5.4	8.36	39.9	0	0	0	
2002-Mar-08	2:50								End Spacer
2002-Mar-08	2:50								Start Mixing Lead Slurry
2002-Mar-08	2:50	187	5.4	8.44	40.2	0	0	0	
2002-Mar-08	2:50	196	5.4	8.61	40.8	0	0	0	
2002-Mar-08	2:51	205	5.4	10.57	43.5	0	0	0	
2002-Mar-08	2:51								Reset Total, Vol = 44.87 bbl
2002-Mar-08	2:51	205	5.4	11.02	44.8	0	0	0	
2002-Mar-08	2:51	200	5.5	11.01	46.2	0	0	0	
2002-Mar-08	2:52	205	5.5	11.51	49.0	0	0	0	
2002-Mar-08	2:52	191	5.5	11.68	51.7	0	0	0	
2002-Mar-08	2:53	187	5.5	11.73	54.5	0	0	0	
2002-Mar-08	2:53	173	5.5	11.65	57.2	0	0	0	
2002-Mar-08	2:54	159	5.5	11.37	59.9	0	0	0	
2002-Mar-08	2:54	173	5.5	11.20	62.6	0	0	0	
2002-Mar-08	2:55	155	5.5	11.23	65.4	0	0	0	
2002-Mar-08	2:55	146	5.5	11.27	68.0	0	0	0	
2002-Mar-08	2:56	123	5.5	11.36	70.8	0	0	0	
2002-Mar-08	2:56	118	5.5	11.41	73.6	0	0	0	
2002-Mar-08	2:57	123	5.5	11.43	76.3	0	0	0	
2002-Mar-08	2:57	127	5.5	11.30	79.1	0	0	0	
2002-Mar-08	2:58	91	5.5	11.30	81.8	0	0	0	
2002-Mar-08	2:58	123	5.5	11.31	84.6	0	0	0	
2002-Mar-08	2:59	104	5.5	11.35	87.3	0	0	0	
2002-Mar-08	2:59	123	5.5	11.37	90.1	0	0	0	
2002-Mar-08	3:00	91	5.5	11.38	93.0	0	0	0	
2002-Mar-08	3:00	136	5.5	11.37	95.7	0	0	0	
2002-Mar-08	3:01	109	5.6	11.36	98.5	0	0	0	
2002-Mar-08	3:01	127	5.6	11.38	101.3	0	0	0	
2002-Mar-08	3:02	136	5.6	11.43	104.1	0	0	0	
2002-Mar-08	3:02	104	5.6	11.50	106.9	0	0	0	
2002-Mar-08	3:03	91	5.6	11.53	109.7	0	0	0	
2002-Mar-08	3:03	127	5.6	11.57	112.6	0	0	0	
2002-Mar-08	3:04	141	5.7	11.63	115.4	0	0	0	
2002-Mar-08	3:04	146	5.7	11.64	118.2	0	0	0	
2002-Mar-08	3:05	114	5.7	11.63	121.1	0	0	0	
2002-Mar-08	3:05	127	5.7	11.59	123.9	0	0	0	
2002-Mar-08	3:06	127	5.7	11.55	126.8	0	0	0	
2002-Mar-08	3:06	127	5.7	11.55	129.6	0	0	0	
2002-Mar-08	3:07	132	5.8	11.37	132.5	0	0	0	
2002-Mar-08	3:07	127	5.8	11.37	135.4	0	0	0	
2002-Mar-08	3:08	132	5.7	11.50	138.2	0	0	0	
2002-Mar-08	3:08	104	5.7	11.59	141.1	0	0	0	
2002-Mar-08	3:09	141	5.7	11.35	144.0	0	0	0	
2002-Mar-08	3:09	100	5.7	11.22	146.8	0	0	0	
2002-Mar-08	3:10	136	5.7	11.05	149.7	0	0	0	

ORIGINAL

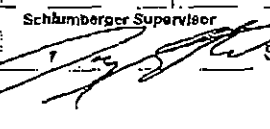
Well	Field	Service Date	Customer	Job Number					
Miller #2-16	Hugoton	0287-Mar-08	NADEL & GUSSMAN	2205440243					
Date	Time	Treating Pressure	Flow Rate	Density	Volume				Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0	
2002-Mar-08	3:10	132	5.7	11.29	152.5	0	0	0	
2002-Mar-08	3:11	127	5.7	11.90	155.4	0	0	0	
2002-Mar-08	3:11	141	5.7	11.77	158.3	0	0	0	
2002-Mar-08	3:12	136	5.7	11.63	161.2	0	0	0	
2002-Mar-08	3:12	136	5.7	11.61	164.0	0	0	0	
2002-Mar-08	3:13	132	5.7	11.32	166.9	0	0	0	
2002-Mar-08	3:13	127	5.7	11.07	169.7	0	0	0	
2002-Mar-08	3:14	132	5.7	11.20	172.6	0	0	0	
2002-Mar-08	3:14	141	5.7	11.28	175.4	0	0	0	
2002-Mar-08	3:15	146	5.7	11.36	178.3	0	0	0	
2002-Mar-08	3:15	146	5.7	11.40	181.1	0	0	0	
2002-Mar-08	3:16	100	5.7	11.40	184.0	0	0	0	
2002-Mar-08	3:16	132	5.7	11.41	186.8	0	0	0	
2002-Mar-08	3:17	141	5.7	11.40	189.7	0	0	0	
2002-Mar-08	3:17	123	5.7	11.40	192.5	0	0	0	
2002-Mar-08	3:18	146	5.7	11.40	195.4	0	0	0	
2002-Mar-08	3:18	123	5.7	11.40	198.2	0	0	0	
2002-Mar-08	3:19	114	5.7	11.34	201.1	0	0	0	
2002-Mar-08	3:19	109	5.6	10.88	203.9	0	0	0	
2002-Mar-08	3:20	104	5.6	11.14	206.7	0	0	0	
2002-Mar-08	3:20	109	5.6	12.21	209.6	0	0	0	
2002-Mar-08	3:21	136	5.7	11.95	212.4	0	0	0	
2002-Mar-08	3:21	159	5.6	11.63	215.2	0	0	0	
2002-Mar-08	3:22	123	5.6	11.57	218.0	0	0	0	
2002-Mar-08	3:22	127	5.6	11.63	220.8	0	0	0	
2002-Mar-08	3:23	159	5.6	11.82	223.0	0	0	0	
2002-Mar-08	3:23								End Lead Slurry
2002-Mar-08	3:23	141	5.6	11.91	223.2	0	0	0	
2002-Mar-08	3:23								Start Mixing Tail Slurry
2002-Mar-08	3:23								Reset Total, Vol = 178.69 bbl
2002-Mar-08	3:23	141	5.6	12.12	223.6	0	0	0	
2002-Mar-08	3:23	146	5.6	12.22	223.8	0	0	0	
2002-Mar-08	3:23	155	5.6	13.95	226.6	0	0	0	
2002-Mar-08	3:24	159	5.6	14.56	229.4	0	0	0	
2002-Mar-08	3:24	178	5.6	15.03	232.2	0	0	0	
2002-Mar-08	3:25	182	5.6	15.17	235.0	0	0	0	
2002-Mar-08	3:25	182	5.6	15.23	237.8	0	0	0	
2002-Mar-08	3:26	182	5.6	15.26	240.7	0	0	0	
2002-Mar-08	3:26	173	5.6	15.20	243.5	0	0	0	
2002-Mar-08	3:27	164	5.6	15.13	246.3	0	0	0	
2002-Mar-08	3:27	150	5.6	14.78	249.1	0	0	0	
2002-Mar-08	3:28	141	5.6	15.55	252.0	0	0	0	
2002-Mar-08	3:28	146	5.6	13.85	254.8	0	0	0	
2002-Mar-08	3:29	141	5.6	14.13	257.6	0	0	0	
2002-Mar-08	3:29	173	5.6	14.40	260.4	0	0	0	
2002-Mar-08	3:30	155	5.6	14.91	263.3	0	0	0	
2002-Mar-08	3:30	150	5.6	15.18	266.1	0	0	0	
2002-Mar-08	3:31	159	5.6	15.20	268.9	0	0	0	
2002-Mar-08	3:31	168	5.6	15.17	271.7	0	0	0	
2002-Mar-08	3:32	164	5.6	14.39	274.6	0	0	0	
2002-Mar-08	3:32	173	5.6	14.56	277.4	0	0	0	
2002-Mar-08	3:33	173	5.6	14.78	280.2	0	0	0	
2002-Mar-08	3:33	164	5.6	14.78	283.0	0	0	0	
2002-Mar-08	3:34	164	5.6	14.58	285.8	0	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number					
Miller #2-16	Hugoton	0267-Mar-08	NADEL & GUSSMAN	2205440243					
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2002-Mar-08	3:34	159	5.6	14.17	288.8	0	0	0	
2002-Mar-08	3:35	-19	0.0	14.11	289.9	0	0	0	
2002-Mar-08	3:35								End Tail Slurry
2002-Mar-08	3:40								Drop Top Plug
2002-Mar-08	3:40	-10	2.0	8.57	290.0	0	0	0	
2002-Mar-08	3:40								Start Displacement
2002-Mar-08	3:40	-10	2.0	8.56	290.1	0	0	0	
2002-Mar-08	3:40	-10	2.0	8.56	290.2	0	0	0	
2002-Mar-08	3:40								Reset Total, Vol = 66.64 bbl
2002-Mar-08	3:41	-10	2.0	8.55	291.2	0	0	0	
2002-Mar-08	3:41	-10	2.3	8.54	291.4	0	0	0	
2002-Mar-08	3:41								Reset Total, Vol = 1.22 bbl
2002-Mar-08	3:41	22	1.8	8.40	292.0	0	0	0	
2002-Mar-08	3:42	31	3.0	8.40	293.1	0	0	0	
2002-Mar-08	3:42	45	4.5	8.40	295.1	0	0	0	
2002-Mar-08	3:43	40	4.5	8.31	297.4	0	0	0	
2002-Mar-08	3:43	54	4.5	8.31	299.6	0	0	0	
2002-Mar-08	3:44	54	4.5	8.33	301.9	0	0	0	
2002-Mar-08	3:44	49	4.5	8.33	304.2	0	0	0	
2002-Mar-08	3:45	49	4.5	8.31	306.4	0	0	0	
2002-Mar-08	3:45	45	4.6	8.31	308.7	0	0	0	
2002-Mar-08	3:46	40	4.5	8.31	311.0	0	0	0	
2002-Mar-08	3:46	45	4.5	8.31	313.3	0	0	0	
2002-Mar-08	3:47	49	4.5	8.31	315.6	0	0	0	
2002-Mar-08	3:47	95	4.5	8.31	317.9	0	0	0	
2002-Mar-08	3:48	141	4.5	8.31	320.2	0	0	0	
2002-Mar-08	3:48	150	4.5	8.31	322.4	0	0	0	
2002-Mar-08	3:49	187	4.5	8.31	324.7	0	0	0	
2002-Mar-08	3:49	233	4.5	8.31	326.9	0	0	0	
2002-Mar-08	3:50	251	4.5	8.31	329.2	0	0	0	
2002-Mar-08	3:50	297	4.5	8.31	331.5	0	0	0	
2002-Mar-08	3:51	324	4.5	8.31	333.7	0	0	0	
2002-Mar-08	3:51	324	4.5	8.31	336.0	0	0	0	
2002-Mar-08	3:52	365	4.5	8.31	338.2	0	0	0	
2002-Mar-08	3:52	393	4.5	8.31	340.5	0	0	0	
2002-Mar-08	3:53	416	4.5	8.31	342.7	0	0	0	
2002-Mar-08	3:53	452	4.5	8.31	345.0	0	0	0	
2002-Mar-08	3:54	475	4.5	8.31	347.3	0	0	0	
2002-Mar-08	3:54	503	4.5	8.31	349.5	0	0	0	
2002-Mar-08	3:55	544	4.5	8.31	351.8	0	0	0	
2002-Mar-08	3:55	571	4.5	8.31	354.1	0	0	0	
2002-Mar-08	3:56	603	4.6	8.31	356.3	0	0	0	
2002-Mar-08	3:56	640	4.5	8.31	358.6	0	0	0	
2002-Mar-08	3:57	594	2.7	8.31	360.8	0	0	0	
2002-Mar-08	3:57	356	2.5	8.31	362.1	0	0	0	
2002-Mar-08	3:58	274	2.2	8.31	363.3	0	0	0	
2002-Mar-08	3:58	292	2.0	8.31	364.3	0	0	0	
2002-Mar-08	3:59	283	2.0	8.31	365.3	0	0	0	
2002-Mar-08	3:59	297	2.0	8.31	366.3	0	0	0	
2002-Mar-08	4:00	315	2.0	8.31	367.2	0	0	0	
2002-Mar-08	4:00	384	2.0	8.31	368.2	0	0	0	
2002-Mar-08	4:01	397	2.0	8.31	369.2	0	0	0	
2002-Mar-08	4:01	425	2.0	8.31	370.2	0	0	0	
2002-Mar-08	4:02	645	0.8	8.31	371.1	0	0	0	

Well	Field	Service Date	Customer	Job Number				
Miller#2-15	Hugoton	0287-Mar-08	NADEL & GUSSMAN	2205440243				
Date	Time	Treating Pressure	Flow Rate	Density	Volume	Message		
	24 hr clock	psi	bb/min	lb/gal	bbi			
2002-Mar-08	4:02	1002	0.0	8.31	371.2	0	0	0
2002-Mar-08	4:03	1006	0.0	8.31	371.2	0	0	0
2002-Mar-08	4:03	1006	0.0	8.31	371.2	0	0	0
2002-Mar-08	4:04	-24	0.0	8.31	371.2	0	0	0
2002-Mar-08	4:04	-15	0.0	8.33	371.2	0	0	0
2002-Mar-08	4:05	-15	0.0	8.41	371.2	0	0	0
2002-Mar-08	4:05							Bump Top Plug
2002-Mar-08	4:05	-10	0.0	8.41	371.2	0	0	0
2002-Mar-08	4:05							End Displacement

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.5			6.3	240		40	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
600	1000	280	1000			9.6 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
%	240.7 bbl	81.5 bbl	55 °F	<input checked="" type="checkbox"/>	20 bbl		
Customer or Authorized Representative		Schlumberger Supervisor		Washed Thru Perfs	To	To	ft
Coday, Chuck				Circulation Lost		<input checked="" type="checkbox"/>	Job Completed

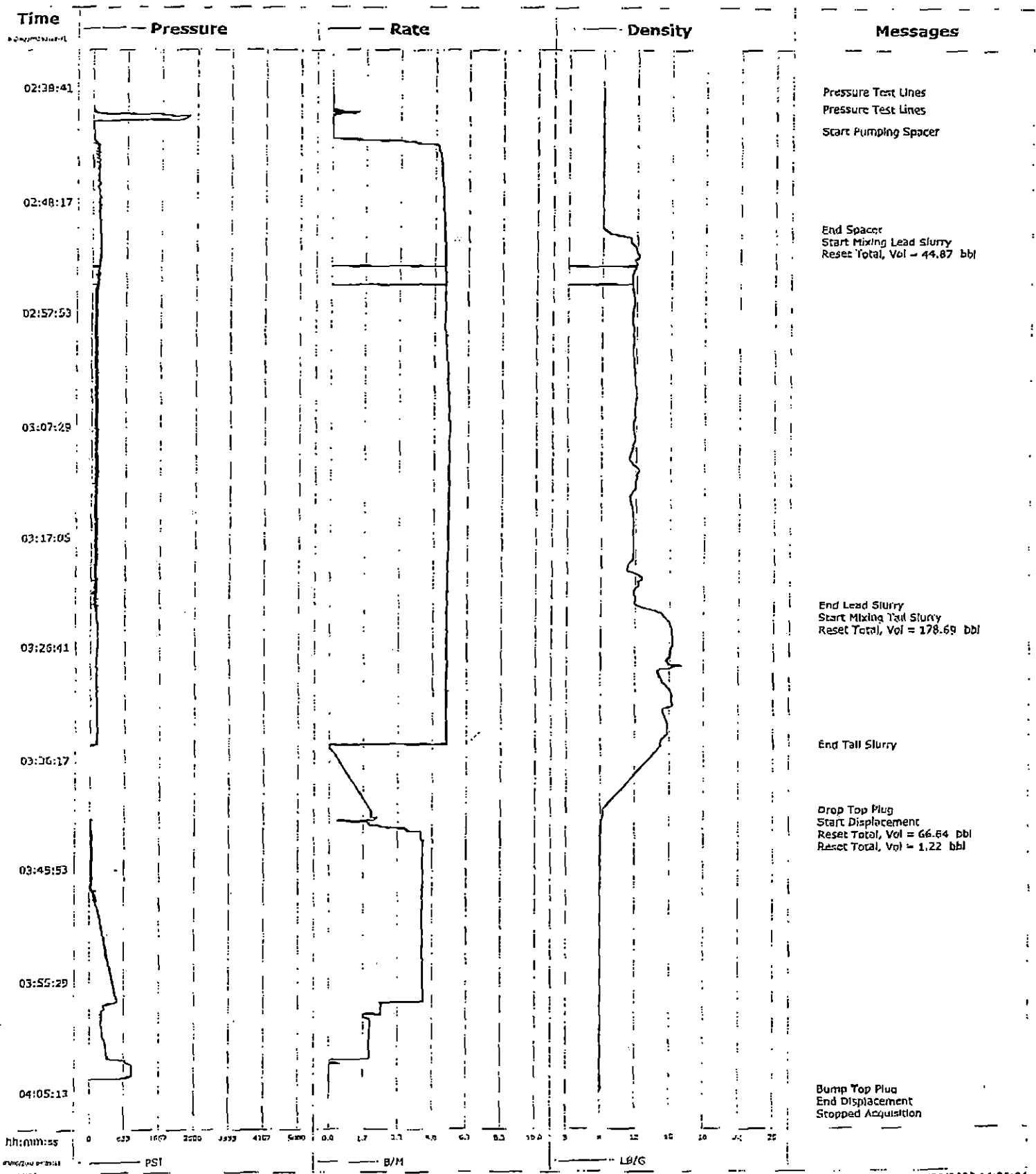


# Cement Job Report ORIGINAL

CemCAT v1.0

Well Miller 2-16  
 Field Hugoton  
 Engineer Doug Strano  
 Country United States

Client Nadel Gussman  
 SIR No.  
 Job Type Long string  
 Job Date 03-07-2002



Pressure Test Lines  
 Pressure Test Lines  
 Start Pumping Spacer

End Spacer  
 Start Mixing Lead Slurry  
 Reset Total, Vol = 44.87 bbl

End Lead Slurry  
 Start Mixing Tail Slurry  
 Reset Total, Vol = 178.69 bbl

End Tail Slurry

Drop Top Plug  
 Start Displacement  
 Reset Total, Vol = 66.64 bbl  
 Reset Total, Vol = 1.22 bbl

Bump Top Plug  
 End Displacement  
 Stopped Acquisition



Well		Location (Legal)		Schlumberger Location		Job Number			
Miller 2-16		Section 16-32S-42W		Ulysses, KS		KCC WICHITA 2205440240			
Field		Formation Name/Type		Deviation		Well MD			
hugoton						600 ft			
County		State/Province		BHP		Well TVD			
morton		ks		psi		600 ft			
Well Master		API / UWI		Casing/Liner					
0630405200									
Rig Name		Drilled For		Service Via		Depth, ft			
		Oil & Gas		Land		600			
Offshore Zone		Well Class		Well Type		Size, in			
		New		Exploration		8.63			
Drilling Fluid Type		Max. Density		Plastic Viscosity		Weight, lb/ft			
		lb/gal		cp		24			
Service Line		Job Type		Perforations/Open Hole					
Cementing		Cem Surface Casing							
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Top, ft			
psi		psi		Single cement head		Bottom, ft			
Service Instructions						spf			
Cement 8-5/8" casing with 12-1/4" OH using 100 sks Class "C" Cement + 3% D79 + 0.2% D46 + 0.25 pps D29 followed by 150 sks Class "C" Cement + 2% S1 + 0.25 pps D29						No. of Shots			
						Total Interval			
						ft			
						Diameter			
						in			
						Treat Down			
						Casing			
						Displacement			
						bbl			
						Packer Type			
						Packer Depth			
						ft			
						Tubing Vol.			
						Casing Vol.			
						Annular Vol.			
						Open Hole Vol.			
						bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 1000 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: texas			
						Squeeze Type			
						Shoe Depth: 632 ft			
						Tool Type:			
No. Centralizers: 3		Top Plugs: 1		Bottom Plugs: 0		Stage Tool Type:			
						Tool Depth: ft			
Cement Head Type: Single						Stage Tool Depth: ft			
						Tall Pipe Size: in			
Job Scheduled For: 2002-Mar-04 18:50		Arrived on Location:		Leave Location:		Collar Type: Auto-Fill			
						Tall Pipe Depth: ft			
						Collar Depth: 587 ft			
						Sqz Total Vol: bbl			
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2002-Mar-05	0:34	-19	0.0	8.33	0.0	0	0	0	
2002-Mar-05	0:34	-10	0.7	8.34	0.0	0	0	0	
2002-Mar-05	0:35	736	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:35	942	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:36	-1	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:36	-19	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:37	-15	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:37								Start Pumping Spacer
2002-Mar-05	0:37	-19	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:37	-19	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:38	-19	0.0	8.34	0.4	0	0	0	
2002-Mar-05	0:38	-19	0.0	8.33	0.4	0	0	0	
2002-Mar-05	0:39	8	2.1	8.33	0.8	0	0	0	
2002-Mar-05	0:39	72	4.3	8.33	2.6	0	0	0	
2002-Mar-05	0:40	141	4.8	8.33	4.9	0	0	0	
2002-Mar-05	0:40	118	5.0	8.33	7.4	0	0	0	
2002-Mar-05	0:41	141	5.1	8.33	9.9	0	0	0	
2002-Mar-05	0:41	132	5.1	8.56	12.4	0	0	0	
2002-Mar-05	0:42	91	4.1	8.67	14.6	0	0	0	
2002-Mar-05	0:42	95	4.1	8.67	14.7	0	0	0	
2002-Mar-05	0:42								Start Mixing Lead Slurry
2002-Mar-05	0:42								End Spacer

ORIGINAL

Well	Miller #2-19		Field		Hugobon		Service Date		Customer	NADEL & GUSSMAN	Job Number	Message
	Date	Time	Testing Pressure	Flow Rate	Density	Volume						
		24 hr check	psi	pph/min	lb/gal	bbbl						
2002-Mar-05	0:42		86	4.1	8.67	14.8	0	0	0	0		
2002-Mar-05	0:42		95	4.1	9.16	15.6	0	0	0	0		
2002-Mar-05	0:42										Reset Total, Vol = 15.64 bbl	
2002-Mar-05	0:42		100	4.1	9.79	16.6	0	0	0	0		
2002-Mar-05	0:43		95	4.1	10.89	18.6	0	0	0	0		
2002-Mar-05	0:43		72	4.1	11.42	20.7	0	0	0	0		
2002-Mar-05	0:44		86	4.4	10.71	22.8	0	0	0	0		
2002-Mar-05	0:44		86	4.4	11.24	25.1	0	0	0	0		
2002-Mar-05	0:45		114	4.9	11.56	27.4	0	0	0	0		
2002-Mar-05	0:45		104	4.9	11.83	29.9	0	0	0	0		
2002-Mar-05	0:46		123	5.1	11.83	32.4	0	0	0	0		
2002-Mar-05	0:46		164	5.1	12.14	34.9	0	0	0	0		
2002-Mar-05	0:47		104	5.1	11.50	37.4	0	0	0	0		
2002-Mar-05	0:47		118	5.1	12.29	40.1	0	0	0	0		
2002-Mar-05	0:48		36	3.9	11.27	42.3	0	0	0	0		
2002-Mar-05	0:48		31	3.8	11.61	44.3	0	0	0	0		
2002-Mar-05	0:49		63	4.1	11.85	46.4	0	0	0	0		
2002-Mar-05	0:49		54	4.1	12.31	48.4	0	0	0	0		
2002-Mar-05	0:50		100	4.5	11.69	50.5	0	0	0	0		
2002-Mar-05	0:50		54	4.4	11.39	52.7	0	0	0	0		
2002-Mar-05	0:51		88	4.4	10.86	55.0	0	0	0	0		
2002-Mar-05	0:51		104	4.5	12.25	57.2	0	0	0	0		
2002-Mar-05	0:52		77	4.4	12.50	59.4	0	0	0	0		
2002-Mar-05	0:52		86	4.4	12.65	61.6	0	0	0	0		
2002-Mar-05	0:53		49	4.4	12.86	63.8	0	0	0	0		
2002-Mar-05	0:53		68	4.5	12.79	66.1	0	0	0	0		
2002-Mar-05	0:54		59	4.5	13.57	68.3	0	0	0	0		
2002-Mar-05	0:54		95	4.4	13.89	70.5	0	0	0	0		
2002-Mar-05	0:55		159	4.4	14.74	72.7	0	0	0	0		
2002-Mar-05	0:55		132	4.4	14.86	75.0	0	0	0	0		
2002-Mar-05	0:56		123	4.3	14.73	77.1	0	0	0	0		
2002-Mar-05	0:56		164	4.4	14.87	79.3	0	0	0	0		
2002-Mar-05	0:57		141	4.7	15.28	81.6	0	0	0	0		
2002-Mar-05	0:57		150	4.7	15.62	83.9	0	0	0	0		
2002-Mar-05	0:58		150	4.8	15.55	86.3	0	0	0	0		
2002-Mar-05	0:58		136	4.8	15.26	88.7	0	0	0	0		
2002-Mar-05	0:59		136	4.8	15.07	90.1	0	0	0	0		
2002-Mar-05	0:59										End Lead Slurry	
2002-Mar-05	0:59										Start Mixing Tail Slurry	
2002-Mar-05	0:59		155	4.8	15.06	90.2	0	0	0	0		
2002-Mar-05	0:59		182	4.8	14.91	91.2	0	0	0	0		
2002-Mar-05	0:59		150	4.8	14.67	93.6	0	0	0	0		
2002-Mar-05	1:00		155	4.8	14.64	96.0	0	0	0	0		
2002-Mar-05	1:00		173	4.8	14.64	98.4	0	0	0	0		
2002-Mar-05	1:01		182	4.8	14.66	100.8	0	0	0	0		
2002-Mar-05	1:01		168	4.8	14.23	103.2	0	0	0	0		
2002-Mar-05	1:02		155	4.8	13.81	105.8	0	0	0	0		
2002-Mar-05	1:02		72	4.8	13.75	105.8	0	0	0	0		
2002-Mar-05	1:02										End Tail Slurry	
2002-Mar-05	1:02		219	4.9	13.71	105.8	0	0	0	0		
2002-Mar-05	1:02										Drop Top Plug	
2002-Mar-05	1:02		-1	0.0	12.67	107.1	0	0	0	0		
2002-Mar-05	1:03		-19	0.0	12.65	107.1	0	0	0	0		
2002-Mar-05	1:03		-15	0.0	12.64	107.1	0	0	0	0		

Well		Field			Service Data		Customer		Job Number
Miller #2-18		hugoton					NADEL & GUSSMAN		2205440240
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbt/min	lb/gal	bbt	0	0	0	
2002-Mar-05	1:04	-19	0.0	12.56	107.1	0	0	0	
2002-Mar-05	1:04	-19	0.0	12.46	107.1	0	0	0	
2002-Mar-05	1:05	-15	0.0	12.31	107.1	0	0	0	
2002-Mar-05	1:05	-19	0.0	12.13	107.1	0	0	0	
2002-Mar-05	1:06	-19	0.0	11.95	107.1	0	0	0	
2002-Mar-05	1:06	-19	0.0	11.80	107.1	0	0	0	
2002-Mar-05	1:07	-19	0.0	11.67	107.1	0	0	0	
2002-Mar-05	1:07	-19	0.0	11.50	107.1	0	0	0	
2002-Mar-05	1:07								Bump Top Plug
2002-Mar-05	1:07	-15	0.0	11.50	107.1	0	0	0	
2002-Mar-05	1:07	-19	0.0	11.50	107.1	0	0	0	
2002-Mar-05	1:07								Start Displacement
2002-Mar-05	1:08	-19	0.0	11.43	107.1	0	0	0	
2002-Mar-05	1:08								Reset Total, Vol = 91.46 bbl
2002-Mar-05	1:08	-19	0.0	11.37	107.1	0	0	0	
2002-Mar-05	1:08	77	4.4	10.03	108.3	0	0	0	
2002-Mar-05	1:09	155	5.1	9.15	110.8	0	0	0	
2002-Mar-05	1:09	54	5.1	8.55	113.3	0	0	0	
2002-Mar-05	1:10	95	5.1	8.34	115.9	0	0	0	
2002-Mar-05	1:10	49	5.1	8.45	118.8	0	0	0	
2002-Mar-05	1:11	132	5.2	8.47	121.1	0	0	0	
2002-Mar-05	1:11	237	5.2	8.40	123.7	0	0	0	
2002-Mar-05	1:12	63	5.4	8.33	126.4	0	0	0	
2002-Mar-05	1:12	49	5.4	8.32	129.1	0	0	0	
2002-Mar-05	1:13	109	5.4	8.35	131.8	0	0	0	
2002-Mar-05	1:13	68	5.4	8.35	134.5	0	0	0	
2002-Mar-05	1:14	297	5.5	8.32	137.3	0	0	0	
2002-Mar-05	1:14	297	5.5	8.32	140.0	0	0	0	
2002-Mar-05	1:15	81	2.5	8.32	142.1	0	0	0	
2002-Mar-05	1:15	274	2.2	8.32	143.3	0	0	0	
2002-Mar-05	1:16	155	2.2	8.32	144.4	0	0	0	
2002-Mar-05	1:16	196	2.9	8.32	145.6	0	0	0	
2002-Mar-05	1:17	109	2.5	8.32	147.0	0	0	0	
2002-Mar-05	1:17	237	2.4	8.32	148.3	0	0	0	
2002-Mar-05	1:18	219	2.2	8.32	149.5	0	0	0	
2002-Mar-05	1:18	200	2.6	8.32	150.7	0	0	0	
2002-Mar-05	1:19	796	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:19	814	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:19								End Displacement
2002-Mar-05	1:19								Stop Pumping
2002-Mar-05	1:19	814	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:19	814	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:20	814	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:20	809	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:21								Stop Pumping
2002-Mar-05	1:21	791	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:21	342	0.0	8.32	150.8	0	0	0	
2002-Mar-05	1:21	-15	0.0	8.32	150.8	0	0	0	

ORIGINAL

Well		Field			Service Date		Customer		Job Number	
Miller #2-1B		hugoton					NADEL & GUSSMAN		2205440240	
Date	Time	Treating Pressure	Flow Rate	Density	Volume				Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl					
<b>Post Job Summary</b>										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5			5.5	86.7						
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
200	800	150	800		bbl	lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	25	bbl			
- %	86.7 bbl	39.9 bbl	55 °F	<input type="checkbox"/> Washed Thru Perfs	To	ft				
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		
(Dick), Richard			Strano, Douglas							

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<b>Well</b>	Miller 2-16	<b>Client</b>	N G
<b>Field</b>	hugoton	<b>SIR No.</b>	
<b>Engineer</b>	Doug Strano	<b>Job Type</b>	surface
<b>Country</b>	United States	<b>Job Date</b>	03-04-2002

