

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Operator: License # 04824

Name: PIONEER NATURAL RESOURCES USA, INC.

Address ATTN: LINDA KELLY - ROOM 1325

City/State/Zip IRVING, TX 75039

Purchaser: PIONEER NATURAL RESOURCES USA, INC.

Operator Contact Person: LINDA KELLY

Phone ( 972 ) 444-9001

Contractor: Name: CHEYENNE

License: 33375

Wellsite Geologist: \_\_\_\_\_

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/Reentry: 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. \_\_\_\_\_

05/14/05 05/17/05 07/27/05  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API NO. 15- 15-067-21604-0000

County GRANT

    - SF - NW - NW Sec. 11 Twp. 30S S. R. 36W  E  W

1250' FNL \_\_\_\_\_ Feet from S/N (Circle one) Line of Section

1250' FWL \_\_\_\_\_ Feet from E/W (Circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one)  NE  SE  NW  SW

Lease Name KOENIG Well # 2-11R

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3008' Kelley Bushing 3014'

Total Depth 3294' Plug Back Total Depth 3271'

Amount of Surface Pipe Set and Cemented at 587' 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 AIF 1 NCR 8-14-08  
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 3000 bbls

Dewatering method used DRY OUT/EVAPORATION/BACKFILL

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name PIONEER NATURAL RESOURCES

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S R. \_\_\_\_\_  E  W

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 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 Linda Kelly  
Title ENGINEERING TECH Date 8/15/05

Subscribed and sworn to before me this 15th day of August,  
2005  
Notary Public Deborah Pollock  
My Commission Expires April 02, 2009  
Date Commission Expires 4/2/09

**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name PIONEER NATURAL RESOURCES USA, INC.

Lease Name KOENIG

Well # 2-11R

Sec. 11 Twp. 30S S.R. 36W  East  West

County GRANT

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 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:  
 MICRO RESISTIVITY LOG  
 ARRAY INDUCTION LOG  
 COMPACT PHOTO DENSITY COMP NEUTRON

Name	Formation (Top), Depth and Datums	
	Top	Datum
CHASE	2490'	MD
HERRINGTON	2506'	MD
KRIDER	2533'	MD
WINFIELD	2574'	MD

CASING RECORD  New  Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	24#	587'	LT. PREM+	375	2%CaCl2
PRODUCTION	7-7/8"	5-1/2"	15.5#	3288'	LT PREM+	530'	2%CaCl2

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
4	2506' - 2814'	ACDZ 4800 GAL 15% HCLFe. FLSH 65	
		BBL 2% KCL. FRAC 90000 GAL 70Q N2	
		WFG-R11, FLS 2351 GAL. 126,300#	
		OTTAWA SAND	

TUBING RECORD	Size	Set At	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. 8/03/05	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		120	0		

Disposition of Gas:  Vented  Sold  Used on Lease

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Comp.  Commingled 2506' - 2814'

(If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

# HALLIBURTON JOB SUMMARY

REGION <b>Central Operations</b>		MNA / COUNTRY <b>Mid Contintnt/USA</b>		SALES ORDER NUMBER <b>3713643</b>		TICKET DATE <b>05/14/05</b>	
MBU ID / EMPL # <b>MCL / IO104</b>		H.E.S. EMPLOYEE NAME <b>JOHN WOODROW</b>		BDA / STATE <b>MC/Ks</b>		COUNTY <b>GRANT</b>	
LOCATION <b>LIBERAL</b>		COMPANY <b>PIONEER NATURAL RESOURCES 3</b>		PSL DEPARTMENT <b>Cement</b>		CUSTOMER REP / PHONE <b>DAVID HIGGINS 1-620-353-8548</b>	
TICKET AMOUNT <b>\$12,146.08</b>		WELL TYPE <b>02 Gas</b>		API/UM #			
WELL LOCATION <b>ULYSSUS,KS.</b>		DEPARTMENT <b>CEMENT</b>		SAP BOMB NUMBER <b>7521</b>		Cement Surface Casing	
LEASE NAME <b>KOENIG</b>		Well No. <b>2-11R11 - 30S - 36W</b>		SEC / TWP / RNG		HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL,KS.</b>	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR
Woodrow, J 105848	3.0	Brady, V 242219	2.5				
Beasley, J 299920	3.0						

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES
10415641	40	10010749 / 10011277	20				
10589601	40						

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Type and Size	Qty	Make
Float Collar <b>INSERT 8 5/8</b>	1	H
Float Shoe		
Centralizers <b>REG 8 5/8</b>	4	A
Top Plug <b>HWE 8 5/8</b>	1	
HEAD		L
Limit clamp		
Weld-A		C
Guide Shoe <b>Tiger Tooth</b>	1	
BTM PLUG		O

Materials		Density	Lb/Gal
Mud Type			
Disp. Fluid			
Prop. Type	Size		Lb
Prop. Type	Size		Lb
Acid Type	Gal.		%
Acid Type	Gal.		%
Suifactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
Breaker	Gal/Lb		In
Blocking Agent	Gal/Lb		
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Date	Called Out	On Location	Job Started	Job Completed
	5/14/2005	5/14/2005	5/14/2005	5/14/2005
Time	1200	1500	1645	1720

Well Data		New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New/Used		24#	8 5/8"		KB	590	
Liner								
Liner								
Tubing								
Drill Pipe								
Open Hole				12 1/4"				Shots/Ft.
Perforations								
Perforations								
Perforations								

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	Cement Surface Casing
5/14	3.0	5/14	1.0	
Total	3.0	Total	1.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
Feet 45	Cement Left in Pipe	Reason
		SHOE JOINT

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Bulk/Sks			
1	200	HLC PP C		11.22	2.04	12.30
2	175	PREM PLUS C		6.36	1.35	14.80
3						
4						

Summary			
Circulating Breakdown	Displacement	Preflush: BBI	5.00
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI	
Cmt Rtrn#Bbl	55	Excess /Return BBI	55
Average	Actual TOC	Calc. TOC:	
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI	
	5 Min. 15 Min.	Cement Slurry BBI	114.0
		Total Volume BBI	164.00

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

**THE INFORMATION STATED HEREIN IS CORRECT**  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

RECEIVED  
 AUG 22 2005  
 KCC WICHITA

# HALLIBURTON JOB LOG

TICKET #	3713643	TICKET DATE	05/14/05
BDA / STATE	MC/Ks	COUNTY	GRANT
PSL DEPARTMENT	Cement		
CUSTOMER REP / PHONE	DAVID HIGGINS	1-620-353-8548	
API/UMI #			
JOB PURPOSE CODE	Cement Surface Casing		
HES FACILITY (CLOSEST TO WELL'S)	LIBERAL,KS.		

REGION	Central Operations	NWA / COUNTRY	Mid Continent/USA
MBU ID / EMPL #	MCL / IO104	H.E.S EMPLOYEE NAME	JOHN WOODROW
LOCATION	LIBERAL	COMPANY	PIONEER NATURAL RESOURCES
TICKET AMOUNT	\$12,146.08	WELL TYPE	02 Gas
WELL LOCATION	ULYSSUS,KS.	DEPARTMENT	CEMENT
LEASE NAME	KOENIG	Well No.	2-11R
		SEC / TWP / RNG	11 - 30S - 36W

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Woodrow, J 105848	3	Brady, V 242219	2.5				
Beasley, J 299920	3						

Chart No.	Time	Rate (BPM)	volume (BBL/GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	1600							JOB READY
	1200							CALLED OUT FOR JOB
	1500							PUMP TRUCK ON LOCATION / PRE JOB SITE
	1515							ASSESMENT / GO OVER JSA / SPOT EQUIP.
								RIG UP
	1630							START RUNNING 8 5/8 CASING & FLT. EQUIP.
								CASING ON BOTTOM ( 590 FT. )
	1640							HOOK UP 8 5/8 P/C & CIRCULATING IRON
	1642							START CIRCULATING WITH RIG PUMP
	1643							THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								( JOB PROCEDURE )
	1645				1000			TEST PUMP & LINES
	1645	6.0	5.0					PUMP FRESH WATER SPACER
	1650	6.0	0-72		0-150			START MIXING 200 SKS LEAD CMT. @ 12.3#/GAL
	1701	6.0	0-42					START MIXING 175 SKS TAIL CMT. @ 14.8#/GAL
	1707							THROUGH MIXING CMT. / SHUT DOWN
	1709	3.0-6.0						RELEASE PLUG / START DISPLACING
								HAVE CMT. RETURNS TO SURFACE
	1718		26.0					HAVE 26 BBLS. OUT / SLOW RATE TO 2 BPM
	1720				180			MAX LIFT PRESSURE BEFORE LANDING PLUG
	1720		38.0		500			PLUG DOWN / RELEASE FLOAT
								FLOAT HELD
								CIRCULATED 55 BBLS. TO SURFACE
								THANK YOU FOR CALLING HALLIBURTON !!!!
								( WOODY & CREW )



# HALLIBURTON JOB SUMMARY

REGION <b>Central Operations</b>		MNA / COUNTRY <b>Mid Continent/USA</b>		SALES ORDER NUMBER <b>3714600</b>		TICKET DATE <b>05/16/05</b>	
MBU ID / EMPL # <b>MCL / IO104</b>		H.E.S. EMPLOYEE NAME <b>JOHN WOODROW</b>		BDA / STATE <b>MC/Ks</b>		COUNTY <b>GRANT</b>	
LOCATION <b>LIBERAL</b>		COMPANY <b>PIONEER NATURAL RESOURCES</b>		PSL DEPARTMENT <b>Cement</b>		CUSTOMER REP / PHONE <b>STEVE HADDOCK 1-620-353-4420</b>	
TICKET AMOUNT <b>\$19,592.23</b>		WELL TYPE <b>02 Gas</b>		API/LWI #			
WELL LOCATION <b>ULYSSUS,KS.</b>		DEPARTMENT <b>CEMENT</b>		SAP BOMB NUMBER <b>7523</b>		Cement Production Casing	
LEASE NAME <b>KOENIG</b>		Well No. <b>2-11R</b>		SEC / TWP / RNG <b>11 - 30S - 36W</b>		HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL,KS.</b>	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
Woodrow, J 105848	4.5	Brady, P 322238	5.0		
Oliphant, C 243055	4.5	Campbell, R 333696	5.0		

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES
10415641	40	10244148 / 10286731	20		
10589601	40	10243558 / 10011590			

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	5/16/2005	5/16/2005	5/16/2005	5/16/2005
Time	0700	1030	1339	1430

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar INSERT 5 1/2	1	H
Float Shoe		
Centralizers REG 5 1/2	15	A
Top Plug HWE 5 1/2	1	
HEAD Q/L	1	L
Limit clamp	1	
Weld-A	1	C
Guide Shoe REG 5 1/2	1	
BTM PLUG		O

**Well Data**

Casing	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	New/Used	15.5#	5 1/2	KB	3,294	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			7 7/8"			Shots/Ft.
Perforations						
Perforations						
Perforations						

**Materials**

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

**Hours On Location**

Date	Hours	Date	Hours
5/16	4.5	5/16	1.0
<b>Total</b>	<b>4.5</b>	<b>Total</b>	<b>1.0</b>

**Operating Hours**

Date	Hours
5/16	1.0
<b>Total</b>	<b>1.0</b>

**Description of Job**

Cement Production Casing

SEE JOB LOG

Ordered \_\_\_\_\_ Hydraulic Horsepower \_\_\_\_\_ Used \_\_\_\_\_  
 Treating \_\_\_\_\_ Average Rates in BPM \_\_\_\_\_ Overall \_\_\_\_\_  
 Feet 21 \_\_\_\_\_ Cement Left in Pipe \_\_\_\_\_ Reason \_\_\_\_\_ SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	350	MHLC C		8% TOTAL GEL - 5# GILSONITE - 6/10% HALAD-322 -	10.48	2.10	12.60
2	180	PREM PLUS C		5# GILSONITE - 2% CC - .6% HALAD-322 - 1/4# FLOCELE -	6.30	1.42	14.60
3							
4							

**Summary**

Circulating	Displacement	Preflush:	BBI	Type:
Breakdown	MAXIMUM	Load & Bkdn:	Gal - BBI	Pad:Bbl - Gal
Lost Returns	Lost Returns	Excess /Return	BBI	Calc. Disp Bbl
Cmt Rtrn#Bbl	Actual TOC	Calc. TOC:		Actual Disp.
Average	Frac. Gradient	Treatment:	Gal - BBI	Disp:Bbl
Shut in: Instant	5 Min.	Cement Slurry	BBI	
	15 Min.	Total Volume	BBI	


Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

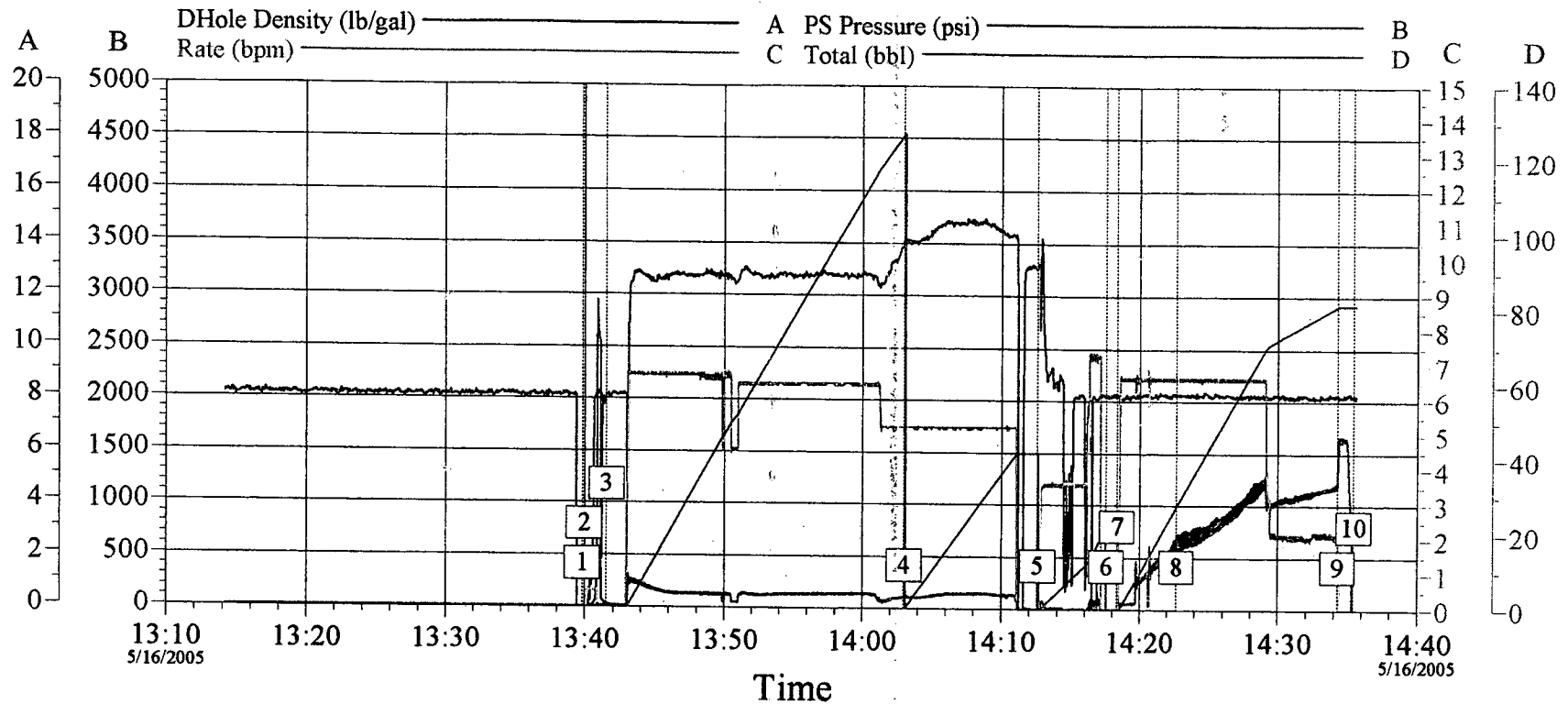
# HALLIBURTON JOB LOG

TICKET #	3714600	TICKET DATE	05/16/05
REGION	Central Operations	BDA / STATE	MC/Ks
M/WA / COUNTRY	Mid Continent/USA	COUNTY	GRANT
MBU ID / EMPL #	MCL / IO104	PSL DEPARTMENT	Cement
H.E.S EMPLOYEE NAME	JOHN WOODROW	CUSTOMER REP / PHONE	STEVE HADDOCK 1-620-353-4420
LOCATION	LIBERAL	API/UWI #	
TICKET AMOUNT	\$19,592.23	WELL TYPE	02 Gas
WELL LOCATION	ULYSSUS,KS.	DEPARTMENT	CEMENT
LEASE NAME	KOENIG	SEC / TWP / RNG	11 - 30S - 36W
Well No.	2-11R	JOB PURPOSE CODE	Cement Production Casing
		HES FACILITY (CLOSEST TO WELL S)	LIBERAL,KS.

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Woodrow, J 105848	4.5	Brady, P 322238	5				
Oliphant, C 243055	4.5	Campbell, R 333696	5				

Chart No.	Time	Rate (BPM)	volume (BBL)(GAL)	Rate			Press.(PSI)			Job Description / Remarks
				N2	CSG.	Tbg	N2	CSG.	Tbg	
05-16-05	1100									JOB READY
	0700									CALLED FOR JOB
	1030									PUMP TRUCK ON LOCATION
	1045									GO OVER JSA / SPOT EQUIPMENT / RIG UP
	1030									RIG START RIH W/ 5 1/2 CASING AND FE
	1300									CASING ON BOTTOM @ 3294
	1310									RIG UP PLUG CONTAINER AND LINES
	1315									START CIRCULATING W/ RIG PUMP
	1335									HOLD PRE JOB SAFETY MEETING
	1338									HOOK UP LINES TO PUMP TRUCK
										JOB PROCEDURE
	1339						2500			PRESSURE TEST PUMP AND LINES
	1341	7.0	0-130				0-260			START MIXING 350 SX LEAD CEMENT @ 12.6 PPG
	1404	6.0	0-45				130			START MIXING 180 SX TAIL CEMENT @ 14.5 PPG
	1414									THROUGH MIXING CEMENT / SHUT DOWN
	1415									WASH OUT PUMP AND LINES
	1418	7.0								DROP TOP PLUG / START DISPLACEMENT
	1422		30.0				450			DISPLACEMENT REACHED CEMENT
	1428	3.0	67.0				1200-900			SLOW RATE FOR LAST 10 BBL
	1430						1060			FINAL LIFT PRESSURE BEFORE LANDING PLUG
			78.0				1500			BUMP PLUG
										RELEASE PRESSURE / FLOAT HELD
										RIG DOWN
										THANK YOU FOR CALLING HALLIBURTON !!!
										(WOODY & CREW)
										
										CIRCULATED 45 BBLs. / 120 SKS TO SURFACE

# PIONEER NATURAL RESOURCES



Event Log								
1	Start Job	13:39:48	2	Test Lines	13:39:56	3	Pump Lead Cement	13:41:32
4	Pump Tail Cement	14:03:00	5	Clean Lines	14:12:34	6	Drop Top Plug	14:17:32
7	Pump Displacement	14:18:19	8	Displ Reached Cement	14:22:40	9	Bump Plug	14:34:16
10	End Job	14:35:26						

Customer:	Job Date:	Ticket #:
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