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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999

Form Must Be Typed

ORIGINAL

Operator: License # 5447

Name: CONFIDENTIAL OXY USA Inc.

Address: P.O. Box 2528

City/State/Zip: Liberal, KS 67905

Purchaser: NCRA

Operator Contact Person: Vicki Carder **KCC**

Phone: (620) 629-4200

Contractor: Name: Murfin Drilling Co., Inc. **NOV 17 2003**

License: 30606

Wellsite Geologist: Tom Heflin **CONFIDENTIAL**

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: OXY USA, Inc.

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. _____

07/22/03 07/31/03 08/29/03

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 067-21546-0000

County: Grant

SE - SE - SW Sec 12 Twp. 27 S. R. 35W

358 feet from (S) N (circle one) Line of Section

2298 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW (SW)

Lease Name: Ladner C Well #: 5

Field Name: Ladner

Producing Formation: Morrow

Elevation: Ground: 3013 Kelly Bushing: 3024

Total Depth: 5580 Plug Back Total Depth: 5244

Amount of Surface Pipe Set and Cemented at 1900 feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT I WITH

(Data must be collected from the Reserve Pit) 4-9-07

Chloride content 1000 ppm Fluid volume 1550 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 6702, 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: Vicki Carder

Title: Capital Project Date November 12, 2003

Subscribed and sworn to before me this 12th day of Nov

03

Notary Public: Anita Peterson

Date Commission Expires: Oct. 1, 2005

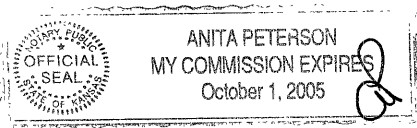
KCC Office Use Only

Letter of Confidentiality Attached
If Denied, Yes Date: _____

_____ Wireline Log Received

_____ Geologist Report Received

_____ UIC Distribution



Side Two

Operator Name: OXY USA Inc. Lease Name: Ladner C Well #: 5
 Sec. 12 Twp. 27 S. R. 35W East West County: Grant

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3926	-902
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3968	-944
List All E. Logs Run:	Microlog	Cement Volume	Marmaton	4588
	Sonic	Induction	Neutron	4734
Geological Report			Cherokee	-1710
			Atoka	4980
			Morrow	5043
			Chester	5259
			(See Side Three)	-2235

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set(in. O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor					C		
Surface	12 1/4	8 5/8	24	1900	C	800	35/65 Poz C + Additives See Attached Cmt Tkt for Additives
Production	7 7/8	5 1/2	15.5	5318	H	230	50/50 Poz H + Additives See Attached Cmt Tkt for Additives

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
6	5088-5090, 5102-5116, 5129-5131	Acidize - 72 bbls 17% HCL,FE-MCA	

TUBING RECORD	Size 2 7/8	Set At 5157	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 09/03/03	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil BBLs 129	Gas Mcf 7	Water Bbls 0	Gas-Oil Ratio 54.26
				Gravity

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
 (If vented, Submit ACO-18) Other (Specify) _____

METHOD OF COMPLETION

Production Interval

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Side Three

Operator Name: OXY USA Inc. Lease Name: Ladner C Well #: 5

Sec. 12 Twp. 27 S. R. 35W East West County: Grant

API#15-067-21546-00-00

Name	Top	Datum
St. Genevieve	5386	-2362
St. Louis	5464	-2440

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TREATMENT REPORT

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Customer ID API# 15-067-21546-00-00	Date NOV 12 2003
Customer OXY USA	7-23-03 CONFIDENTIAL
Lease LADNER	Lease No. Well # C-5

Field Order # 6347	Station PRATT	Casing 3 5/8	Depth 1817'	County GRAVY	State KS
Type Job 8 5/8 SURFACE NEW WELL	Formation TDS 1900'	Legal Description 12-27S-35W			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 5/8	Tubing Size	Shots/Ft	LEAD	Acid- 600 SKS A-SERV/ITE	RATE	PRESS	ISIP	
Depth 1817'	Depth	From	To	Pre Pad 2 9/16 C.C. 1/4" CELLULOSE	Max		5 Min.	
Volume	Volume	From	To	Pad 12.2 1/2 GAL 2.15 SF 15	Min		10 Min.	
Max Press	Max Press	From	To TAIL	Frac 200 SKS COMMON	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	2 9/16 C.C. 1/4" CELLULOSE	HHP Used		Annulus Pressure	
Plug Depth 1856.67	Packer Depth	From	To	Flush 14.9 1/2 GAL 1.37 FT ³	Gas Volume		Total Load	

Customer Representative DAVID RICE	Station Manager D. AURTY	Treater T. SEBA
---------------------------------------	-----------------------------	--------------------

Service Units	114	35	57	44	76	30	71		
---------------	-----	----	----	----	----	----	----	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
16:00					CALLIO OUT
					ON LOX W/TEL - SAFETY MITG
					RUN 44 STS 8 5/8 2 1/2" / FT CSB.
					EACH F.E. 5 CENT 1 CMT BSKT 1 G 1 ISIV
					1ST = 43.33
21:32	200		10	6 1/2	START PUMPING
21:35	200		230	6 1/2	START MIX 600 SKS A-SERV/ITE 12.2 1/2 GAL
			49		START MIX 200 SKS COMMON 14.8 1/2 GAL
22:20			271		SHUT DOWN
					RELEASE SW TOP RUBBER PLUG
22:21	150			6 1/2	START OLS
	500		65		LIFT CMT
22:43	300		120		PLUG DOWN
					GOOD CIRC THRU JOB
					CIRC CMT TO PET
					CHART DIDN'T WORK
					JOB COMPLETE
					THANKS
					TODD

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

White - Accounting • Canary - Customer • Pink - Field Office

Taylor Printing, Inc.

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ORIGINAL
FIELD ORDER 6847



INVOICE NO.	Subject to Correction			Well #	Legal
Date 7-23-03	Lease 21546-00-00	ADJEC	Well # C-5	Legal 12-275-35W	
Customer ID	County GRAVY		State KS	Station PRATT	
OXY USA		Depth 24 1/2 FT	Formation	Shoe Joint 43.33 ISPV	
KCC		Casing 8 5/8	Casing Depth 1399	TD 1900	Job Type 3 3/8 SURFACE
NOV 12 2003		Customer Representative DAVID KILB	Treater T. SEBA		

CHARGE

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AP# Number 15-D67-21546-00-00	PO Number
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Materials Received by X David Kilb

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-206	600 SKS	A-SEW ITE (COMMON)				
D-200	200 SKS	COMMON				
C-310	1,420 lbs	CAKTIUM CHLORIDE				
C-194	178 lbs	CELLULOSE				
E-107	800 SKS	CEMENT SEW. CHARGE				
E-100	60 MS	UNITS /WAY MILES 60				
E-104	2130 TM	TONS MILES				
R-204	1 EA	EA. PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
DISCOUNTED PRICE =				9,945.72		
+ TAXES						

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TOTAL

As consideration, the Customer agrees:

- a) To pay ACID SERVICES, LLC in accord with the rates and terms stated in ACID SERVICES, LLC's current price list. Invoices are payable NET 30 after date of invoice. Upon Customers' default payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection cost and attorney fees in the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney's fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury of death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material. The amount of this invoice is due and payable at ACID SERVICES, LLC, Dept. No. 1131, Tulsa, Oklahoma 74182. All terms of the Service Order with customer are incorporated herein and made a part hereof by reference.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by ACID SERVICES, LLC's negligence, strict liability, or operated, or furnished by ACID SERVICES, LLC or any defect in the data, products, supplies, materials, or equipment of ACID SERVICES, LLC whether the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of ACID SERVICES, LLC. The term "ACID SERVICES, LLC" as used in said Sections b) and c) shall mean ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ACID SERVICES, LLC is unable to guarantee the effectiveness of the products, supplies, or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ACID SERVICES, LLC. ACID SERVICES, LLC personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that ACID SERVICES, LLC shall not be liable for and Customer shall indemnify ACID SERVICES, LLC against any damages from the use of such information.
- d) That ACID SERVICES, LLC warrants only title to the products, supplies, and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Acid Services LLC's liability and Customer's exclusive remedy in and cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to ACID SERVICES, LLC or, at ACID SERVICES, LLC's option, to the allowance to the Customer of credit for the cost of such items. In no event shall ACID SERVICES, LLC be liable for special, incidental, indirect, punitive or consequential damages.
- e) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law. We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to service furnished under this contract.
- f) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- g) That ACID SERVICES, LLC shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized manager of ACID SERVICES, LLC.

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Schlumberger

Service Order

2003-Aug-01

Customer OXY USA, INC.		Person Taking Call Lingo, Monty		Dowell Location Perryton, TX		Order Date 2003-Apr-18		Job Number 2205543472	
Well Name and Number LADNER C-5			Legal Location		Field		County GRANT		State/Province KANSAS
Well Master: 0630514432			API # 15-067-21546-00-00						
Rig Name		Well Age New	Sales Engineer Lingo, Monty			Job Type Cem Prod Casing			
Time Well Ready:	Deviation 0 °	Bit Size 7.8 in	Well MD 5,580 ft	Well TVD 5,580 ft		BHP 2000 psi	BHST 125 °F	BHCT 120 °F	
Treat Down Casing	Packer Type None	Packer Depth 0 ft	Well/Head Connection 5 1/2 HS&M	HHP on Location	Max Allowed Pressure 2000		Max Allowed Ann Pressure		
Casing					Services Instructions:				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	CEMENT 5 1/2 IN PRODUCTION CASING WITH: 20 BBLS CW 100 CEMENT: 230 SACKS 50:50 POZ H +2%D20+5 PPS D42+5 PPS D53+0.25%D59+0.25%D65+3%M117+0.2%D46 25 SKS 50/50 POZ + ADDS FOR RAT/MOUSE HOLE				
5580	5.5	15.5							
Tubing					Extra Equipment:				
Depth,	Size, in	Weight, lb/ft	Grade	Thread	1 ABTS 1 PUMP 1 CEMCAT				
Perforated Intervals									
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval					
				ft					
				Diameter					
				in					
Expected On Location:					Ready To Pump:				

Contact	Voice	Mobile	FAX	Notes
GREG FILLPOT		1620-3-8669		

Notes:
1 TOP PLUG AND 1 BOTTOM PLUG (CUSTOMER WILL SUPPLY THE REST OF THE FLOAT EQUIPMENT)

Directions:
FROM LIBERAL KANSAS===NORTH ON HWY 83 TO THE HITCH FEEDER BLACK
TOP===12 MILES WEST===2 NORTH===1/2 WEST===NORTH INTO LOCATION

Other Notes:
FOLLOW ALL CONVOY POLICIES AND STAY IN THE GREEN!!!!

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KCC API #15-067-21546-DD-00

Comments:

NOV 12 2003

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Fluid Systems:

CEMENT			
255 SACKS 50:50 POZ H+2%D20+5 PPS D42+5 PPS D53+0.25%D059+0.25%D65+3%KCL+0.2%D46			
Density:	13.8	lb/gal	Thickening Time:
Yield:	1.55	ft ³ /sk	
H2O Mix:	7.1	gal/sk	
H2O:	1810.5	gal	Eq. Sack Weight: 86.5 lb
			Total Blend: 255 sacks
Dowell Code	Conc/ Amount	Total Quantity	
POZ	39.5 lbs/sk	10072.5	
CLASS H	47 lbs/sk	11985	
D046	0.173 lbs/sk	44.115	
D042	5 lbs/sk	1275	
D053	5 lbs/sk	1275	
M117	2.595 lbs/sk	661.725	
D020	1.73 lbs/sk	441.15	
D065	0.216 lbs/sk	55.08	
D059	0.216 lbs/sk	55.08	

SPACER			
20 BBLs CW100			
Density:	lb/gal	Thickening Time:	
Yield:	ft ³ /sk		
H2O Mix:	0 gal/sk		
H2O:	0 gal	Eq. Sack Weight:	0 lb
		Total Blend:	0 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D122A	10 gal	10	
J237A	5 gal	5	

D909 - 12015 128
 D132 - 10080 128
 D20 - 451 7.5
 D53 - 1283 171.1
 D42 - 1278 25.6
 M117 - 662 13.2
 D65 - 55 ~~55~~
 D59 - 55 474
 D46 - 46
 25925
 13
 650

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Schlumberger

Cementing Service Report

KCC

Customer API# 15-067-21546-100-002 2003	Job Number 2205543472
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Well LADNER C-5		Location (legal) Perryton, TX		Schlumberger Location Perryton, TX		Job Start 2003-Aug-01	
Field		Formation Name/Type CONFIDENTIAL		Deviation 0		Well TVD 5,580 ft	
County GRANT		State/Province KANSAS		BHP 2000 psi		Well MD 5,580 ft	
Well Master: 0630514432		API / UWI:		BHT 125 °F		BHCT 120 °F	
Rig Name		Service Via Land		Casing/Liner Depth, ft 5329		Grade 15.5	
Offshore Zone		Well Type Development		Size, in 5.5		Weight, lb/ft 15.5	
Drilling Fluid Type		Plastic Viscosity cp		Tubing/Drill Pipe Depth, ft		Grade 15.5	
Service Line Cementing		Job Type Cem Prod Casing		Weight, lb/ft		Thread	
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi		Perforations/Open Hole Top, ft		Total Interval ft	
WellHead Connection 5 1/2 HS&M		Well Type		Bottom, ft		Diameter in	
Service Instructions CEMENT 5 1/2 IN PRODUCTION CASING WITH: 20 BBLs CW 100 CEMENT: 230 SACKS 50:50 POZ H +2%D20+5 PPS D42+5 PPS D53+0.25%D59+0.25%D65+3%M117+0.2%D46 25 SKS 50/50 POZ + ADDS FOR RAT/MOUSE HOLE		Treat Down Casing		Displacement 124.8 bbl		Packer Type None	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Vol. 127 bbl		Annular Vol. 164 bbl	
Lift Pressure: 580 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Packer Depth 0 ft	
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 1		OpenHole Vol 291 bbl	
Cement Head Type: Single		Stage Tool Type:		Stage Tool Depth: ft		Tail Pipe Size: in	
Job Scheduled For:		Arrived on Location: 2003-Aug-01 20:45		Leave Location: 2003-Aug-02 1:00		Tail Pipe Depth: ft	
Collar Type: Auto-Fill		Collar Depth: 5243 ft		Squeeze Job Squeeze Type		Tool Type:	

Date	Time	Treating Pressure psi	Flow Rate bbl/min	CMT DENS lb/gal	Volume bbl	0	0	0	0	Message
2003-Aug-01	22:41									Start Job
2003-Aug-01	22:41	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:42	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:42	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:43	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:43	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:44	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:44	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:45	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:45	0	0.0	8.41	0.0	0	0	0	0	
2003-Aug-01	22:46	14	1.8	8.41	0.3	0	0	0	0	
2003-Aug-01	22:46	0	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:47	0	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:47	0	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:48	3474	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:48	3886	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:49	-9	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:49	-5	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:50	18	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:50	-5	0.0	8.41	0.7	0	0	0	0	
2003-Aug-01	22:51	-5	0.0	8.38	0.7	0	0	0	0	
2003-Aug-01	22:51	-5	0.0	8.51	0.7	0	0	0	0	

Well		Field		Service Date		Customer		Job Number	
CONFIDENTIAL		CONFIDENTIAL		03213-Aug-01				2205543472	
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	API# 15-067-21546-00-00
2003-Aug-01	22:52	-5	0.0	10.92	0.7	0	0	0	KCC
2003-Aug-01	22:52	-5	0.0	13.11	0.7	0	0	0	NOV 12 2003
2003-Aug-01	22:53	-5	0.0	14.05	0.7	0	0	0	CONFIDENTIAL
2003-Aug-01	22:53	-5	0.0	14.13	0.7	0	0	0	
2003-Aug-01	22:54	69	0.8	13.61	0.9	0	0	0	
2003-Aug-01	22:54	82	0.8	13.58	1.2	0	0	0	
2003-Aug-01	22:55	82	0.8	13.54	1.6	0	0	0	
2003-Aug-01	22:55	60	0.8	8.80	2.0	0	0	0	
2003-Aug-01	22:56	5	0.0	8.29	2.2	0	0	0	
2003-Aug-01	22:56	5	0.0	9.10	2.2	0	0	0	
2003-Aug-01	22:57	0	0.0	8.89	2.2	0	0	0	
2003-Aug-01	22:57	0	0.0	11.46	2.2	0	0	0	
2003-Aug-01	22:58	0	0.0	13.35	2.2	0	0	0	
2003-Aug-01	22:58	0	0.0	13.94	2.2	0	0	0	
2003-Aug-01	22:59	69	0.7	13.99	2.5	0	0	0	
2003-Aug-01	22:59	64	0.7	13.98	2.6	0	0	0	
2003-Aug-01	23:00	64	0.7	13.97	3.2	0	0	0	
2003-Aug-01	23:00	50	0.7	9.38	3.5	0	0	0	
2003-Aug-01	23:01	5	0.0	8.44	3.7	0	0	0	
2003-Aug-01	23:01	0	0.0	8.44	3.7	0	0	0	
2003-Aug-01	23:02	0	0.0	8.44	3.7	0	0	0	
2003-Aug-01	23:02	0	0.0	8.43	3.7	0	0	0	
2003-Aug-01	23:03	-5	0.0	8.43	3.7	0	0	0	
2003-Aug-01	23:03	-5	0.0	8.43	3.7	0	0	0	
2003-Aug-01	23:04	0	0.0	8.43	3.7	0	0	0	
2003-Aug-01	23:04	-5	0.0	8.43	3.7	0	0	0	
2003-Aug-01	23:05	14	1.9	8.44	3.9	0	0	0	
2003-Aug-01	23:05	133	4.9	8.41	5.9	0	0	0	
2003-Aug-01	23:06	-5	0.0	8.41	7.2	0	0	0	
2003-Aug-01	23:06	0	0.0	8.41	7.2	0	0	0	
2003-Aug-01	23:07	0	0.0	8.41	7.2	0	0	0	
2003-Aug-01	23:07	9	3.0	7.17	7.8	0	0	0	
2003-Aug-01	23:07								Start Pumping Spacer
2003-Aug-01	23:07	14	3.4	7.06	7.9	0	0	0	
2003-Aug-01	23:08	14	2.0	7.29	9.8	0	0	0	
2003-Aug-01	23:08	9	3.2	7.51	10.4	0	0	0	
2003-Aug-01	23:09	156	3.9	8.36	2.9	0	0	0	
2003-Aug-01	23:09	69	3.9	8.38	4.8	0	0	0	
2003-Aug-01	23:10	82	3.9	8.38	6.6	0	0	0	
2003-Aug-01	23:10								End Spacer
2003-Aug-01	23:10	142	3.9	8.38	6.6	0	0	0	
2003-Aug-01	23:10								Reset Total, Vol = 6.64 bbl
2003-Aug-01	23:10								Start Pumping Wash
2003-Aug-01	23:10	133	3.9	8.38	0.1	0	0	0	
2003-Aug-01	23:10	60	3.9	8.40	2.1	0	0	0	
2003-Aug-01	23:11	137	3.9	8.41	4.0	0	0	0	
2003-Aug-01	23:11	151	3.9	8.41	6.0	0	0	0	
2003-Aug-01	23:12	128	3.9	8.41	7.9	0	0	0	
2003-Aug-01	23:12	137	3.9	8.41	9.9	0	0	0	
2003-Aug-01	23:13	146	3.9	8.41	11.9	0	0	0	
2003-Aug-01	23:13	133	3.9	8.41	13.8	0	0	0	
2003-Aug-01	23:14	137	3.9	8.41	15.8	0	0	0	
2003-Aug-01	23:14	174	3.9	8.40	17.7	0	0	0	
2003-Aug-01	23:15	192	3.9	8.41	19.7	0	0	0	

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Well		Field			Service Date		Customer			Job Number
LADNER #C-5					03213-Aug-01		API # 15-067-21546 00-02			2205543472
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2003-Aug-01	23:15								End Wash	
2003-Aug-01	23:15	73	3.9	9.23	20.3	0	0	0		
2003-Aug-01	23:15								Reset Total, Vol = 20.39 bbl	
2003-Aug-01	23:15	96	3.9	9.63	20.4	0	0	0		
2003-Aug-01	23:15	137	3.9	9.70	0.1	0	0	0		
2003-Aug-01	23:15								Start Pumping Spacer	
2003-Aug-01	23:15	137	3.9	8.72	1.2	0	0	0		
2003-Aug-01	23:16	146	3.9	8.53	3.2	0	0	0		
2003-Aug-01	23:16	160	3.9	8.50	5.1	0	0	0		
2003-Aug-01	23:17	224	5.7	11.55	7.7	0	0	0		
2003-Aug-01	23:17								End Spacer	
2003-Aug-01	23:17								Reset Total, Vol = 7.79 bbl	
2003-Aug-01	23:17	238	5.7	11.67	7.8	0	0	0		
2003-Aug-01	23:17								Start Cement Slurry	
2003-Aug-01	23:17	256	5.7	11.91	0.2	0	0	0		
2003-Aug-01	23:17	288	5.7	14.01	2.9	0	0	0		
2003-Aug-01	23:18	252	5.7	13.42	5.7	0	0	0		
2003-Aug-01	23:18	238	5.7	14.07	8.6	0	0	0		
2003-Aug-01	23:19	224	5.7	13.64	11.5	0	0	0		
2003-Aug-01	23:19	201	5.7	14.05	14.4	0	0	0		
2003-Aug-01	23:20	156	5.7	13.72	17.2	0	0	0		
2003-Aug-01	23:20	220	5.7	14.43	20.1	0	0	0		
2003-Aug-01	23:21	201	5.7	13.98	22.9	0	0	0		
2003-Aug-01	23:21	183	5.7	13.84	25.8	0	0	0		
2003-Aug-01	23:22	165	5.7	13.63	28.7	0	0	0		
2003-Aug-01	23:22	165	5.7	14.14	31.5	0	0	0		
2003-Aug-01	23:23	201	5.7	14.18	34.4	0	0	0		
2003-Aug-01	23:23	146	5.7	13.63	37.2	0	0	0		
2003-Aug-01	23:24	142	5.7	13.68	40.1	0	0	0		
2003-Aug-01	23:24	160	5.7	14.06	43.0	0	0	0		
2003-Aug-01	23:25	192	5.7	13.86	45.8	0	0	0		
2003-Aug-01	23:25	192	5.7	14.23	48.7	0	0	0		
2003-Aug-01	23:26	142	5.7	13.87	51.5	0	0	0		
2003-Aug-01	23:26	156	5.7	13.80	54.4	0	0	0		
2003-Aug-01	23:27	179	5.7	13.77	57.2	0	0	0		
2003-Aug-01	23:27	201	5.7	14.01	60.1	0	0	0		
2003-Aug-01	23:28	160	5.7	13.98	63.0	0	0	0		
2003-Aug-01	23:28	156	5.7	14.12	65.8	0	0	0		
2003-Aug-01	23:29	160	5.7	13.52	68.7	0	0	0		
2003-Aug-01	23:29	-5	0.0	9.38	69.9	0	0	0		
2003-Aug-01	23:29	-9	0.0	11.05	69.9	0	0	0		
2003-Aug-01	23:29								End Cement Slurry	
2003-Aug-01	23:29	-9	0.0	11.23	69.9	0	0	0		
2003-Aug-01	23:29								Reset Total, Vol = 69.92 bbl	
2003-Aug-01	23:30	-9	0.0	11.69	0.0	0	0	0		
2003-Aug-01	23:30	-9	0.0	11.55	0.0	0	0	0		
2003-Aug-01	23:31	-5	0.0	11.51	0.0	0	0	0		
2003-Aug-01	23:31	0	0.0	11.47	0.0	0	0	0		
2003-Aug-01	23:32	119	5.2	8.92	1.2	0	0	0		
2003-Aug-01	23:32	133	5.1	6.19	3.8	0	0	0		
2003-Aug-01	23:33	142	5.2	8.56	6.4	0	0	0		
2003-Aug-01	23:33	18	5.6	3.42	9.1	0	0	0		
2003-Aug-01	23:34	101	5.6	8.54	11.9	0	0	0		
2003-Aug-01	23:34	-5	0.0	7.80	13.8	0	0	0		

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Well		Field			Service Date		Customer		Job Number	
LADNER #C-5					03213-Aug-01		API# 15-067-21546-00-00		2205543472	
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message	
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0		
2003-Aug-01	23:35	-9	0.0	8.38	13.8	0	0	0	KCC	
2003-Aug-01	23:35	0	0.0	8.35	13.8	0	0	0	NOV 12 2003	
2003-Aug-01	23:36	9	2.9	8.37	14.2	0	0	0	CONFIDENTIAL	
2003-Aug-01	23:36	9	2.9	8.41	15.7	0	0	0		
2003-Aug-01	23:37	14	3.0	8.41	17.2	0	0	0		
2003-Aug-01	23:37	110	6.6	8.41	19.1	0	0	0		
2003-Aug-01	23:38	101	7.9	8.41	22.8	0	0	0		
2003-Aug-01	23:38	165	7.9	8.40	24.6	0	0	0		
2003-Aug-01	23:38								Drop Top Plug	
2003-Aug-01	23:38								Start Displacement	
2003-Aug-01	23:38	165	7.8	8.40	24.8	0	0	0		
2003-Aug-01	23:38	156	7.8	8.40	25.0	0	0	0		
2003-Aug-01	23:38								Reset Total, Vol = 25.02 bbl	
2003-Aug-01	23:38	165	7.8	8.40	1.7	0	0	0		
2003-Aug-01	23:39	133	7.8	8.40	16.6	0	0	0		
2003-Aug-01	23:39	156	7.8	8.40	20.5	0	0	0		
2003-Aug-01	23:40	151	7.8	8.41	24.4	0	0	0		
2003-Aug-01	23:40	151	7.8	8.41	28.3	0	0	0		
2003-Aug-01	23:41	146	7.7	8.41	32.2	0	0	0		
2003-Aug-01	23:41	119	7.6	8.40	36.0	0	0	0		
2003-Aug-01	23:42	133	7.7	8.41	40.0	0	0	0		
2003-Aug-01	23:42	151	7.8	8.41	43.9	0	0	0		
2003-Aug-01	23:43	101	6.6	8.41	47.3	0	0	0		
2003-Aug-01	23:43	92	6.6	8.40	50.7	0	0	0		
2003-Aug-01	23:44	92	6.6	8.41	54.0	0	0	0		
2003-Aug-01	23:44	96	6.6	8.41	57.3	0	0	0		
2003-Aug-01	23:45	110	6.6	8.41	60.6	0	0	0		
2003-Aug-01	23:45	96	6.6	8.41	63.9	0	0	0		
2003-Aug-01	23:46	96	6.6	8.41	67.2	0	0	0		
2003-Aug-01	23:46	96	6.6	8.41	70.5	0	0	0		
2003-Aug-01	23:47	101	6.6	8.41	73.8	0	0	0		
2003-Aug-01	23:47	101	6.6	8.41	77.1	0	0	0		
2003-Aug-01	23:48	101	6.7	8.41	80.4	0	0	0		
2003-Aug-01	23:48	96	6.6	8.41	83.7	0	0	0		
2003-Aug-01	23:49	110	6.6	8.41	87.0	0	0	0		
2003-Aug-01	23:49	105	6.6	8.41	90.3	0	0	0		
2003-Aug-01	23:50	206	6.6	8.41	93.6	0	0	0		
2003-Aug-01	23:50	224	5.7	8.41	96.7	0	0	0		
2003-Aug-01	23:51	179	5.7	8.41	99.6	0	0	0		
2003-Aug-01	23:51	233	5.7	8.41	102.4	0	0	0		
2003-Aug-01	23:52	430	5.7	8.41	105.3	0	0	0		
2003-Aug-01	23:52	311	5.7	8.41	108.2	0	0	0		
2003-Aug-01	23:53	426	5.7	8.41	111.0	0	0	0		
2003-Aug-01	23:53	494	5.7	8.41	114.0	0	0	0		
2003-Aug-01	23:54	549	5.7	8.41	116.8	0	0	0		
2003-Aug-01	23:54	417	2.5	8.41	119.0	0	0	0		
2003-Aug-01	23:55	476	2.5	8.40	120.2	0	0	0		
2003-Aug-01	23:55	513	2.5	8.40	121.4	0	0	0		
2003-Aug-01	23:56	536	2.5	8.41	122.7	0	0	0		
2003-Aug-01	23:56	572	2.5	8.41	123.9	0	0	0		
2003-Aug-01	23:57	609	2.5	8.41	125.2	0	0	0		
2003-Aug-01	23:57	636	2.5	8.41	126.4	0	0	0		
2003-Aug-01	23:58	1181	0.0	8.41	127.4	0	0	0		
2003-Aug-01	23:58	1135	0.0	8.41	127.4	0	0	0		

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Well		Field			Service Date		Customer		Job Number	
LADNER #C-5					03213-Aug-01		API #15-067-21546-00-00		2205543472	
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2003-Aug-01	23:58								Bump Top Plug	
2003-Aug-01	23:58								End Displacement	
2003-Aug-01	23:58	1181	0.0	8.41	127.4	0	0	0		
2003-Aug-01	23:58	1172	0.0	8.41	125.0	0	0	0		
2003-Aug-01	23:58								Reset Total, Vol = 125.00 bbl	
2003-Aug-01	23:58	1167	0.0	8.41	0.0	0	0	0		
2003-Aug-01	23:59	1117	0.0	8.41	0.0	0	0	0		
2003-Aug-01	23:59	5	0.0	8.41	0.0	0	0	0		
2003-Aug-02	0:00	0	0.0	8.41	0.0	0	0	0		
2003-Aug-02	0:00								End Job	
2003-Aug-02	0:00	0	0.0	8.41	0.0	0	0	0		
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2		
5	0	0	7		65	0	30			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume			Density		
			1160		bbl			lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume			
%	63 bbl		125 bbl	°F	<input type="checkbox"/>		bbl			
Customer or Authorized Representative			Schlumberger Supervisor		Washed Thru Perfs		To	ft		
Fillpot, Gregg			Ahrends, Timothy		<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed			

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