

FORM MUST BE TYPED

RECEIVED SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 129-21635-0000
County MORTON
- N/2 - SW - SE Sec. 11 Twp. 32S Rge. 41 X W

From
Confidential

SEP 17 2001
9-17-01
KCC WICHITA
CONFIDENTIAL

Operator: License # 4549
Name: ANADARKO PETROLEUM CORPORATION
Address 701 S. TAYLOR, SUITE 400
City/State/Zip AMARILLO, TEXAS 79109

990 Feet from S (circle one) Line of Section
1980 Feet from E X (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Purchaser: ANADARKO ENERGY SERVICES
Operator Contact Person: JOHN VIGIL
Phone (806) 457-4600

Lease Name MURPHY "C" Well # 2
Field Name RICHFIELD
Producing Formation MORROW
Elevation: Ground 3356 KB _____
Total Depth 5550 PBDT 5300

Contractor: Name: BIG "A" DRILLING
License: 31572

Amount of Surface Pipe Set and Cemented at 1506 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.

Wellsite Geologist: CONFIDENTIAL
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)

Drilling Fluid Management Plan ALT 1 12-27-01
(Data must be collected from the Reserve Pit) DPW
Chloride content 900 ppm Fluid volume 700 bbls
Dewatering method used DRY, BACKFILL & RESTORE LOCATION

If Workover:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBDT
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____
5-16-2001 6-6-2001 7-20-2001
Spud Date Date Reached TD Completion Date

Location of fluid disposal if hauled offsite:
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ 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 L. Marc Harvey
Title ENGINEERING TECHNICIAN III Date 9-12-01
Subscribed and sworn to before me this 12 day of September
20 01.
Notary Public Lori Pearson
Date Commission Expires 2/26/05

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C _____ Geologist Report Received
Distribution
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)



X

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MURPHY "C" Well # 2

Sec. 11 Twp. 32S Rge. 41 East West County MORTON

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 log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums	<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	WABAUNSEE	2798
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOPEKA	3004
List All E.Logs Run: CBL, DIL, CNL-LDT-ML, SONIC.		HEEBNER	3474
		TORONTO	3493
		LANSING	3592
		MARMATON	4163
		CHEROKEE	4348
		MORROW	4680
		CHESTER	5177
		STE. GENEVIEVE	5194
		ST. LOUIS	5254

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"	23.0	1506	CLASS C/ CLASS C.	340/100	3%D79, .2%D46, 1/4PPS D29/2%D79, 1/4PPS D29.
PRODUCTION	7-7/8"	5-1/2"	15.5	5515	CLASS C/ CLASS H.	25/225	3%EXT, .2%AF, 1/4PPS CF/ .2%AF, .5%TI, 10%EXT, .25%FLCA, 1/4PPS CF.
			DV TOOL @	4022	CLASS C/ CLASS C.	25/100	SAME AS ABOVE.

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	5369-73, 5317-30, CIBP @ 5300.	ACID: 3300 GAL 15% HCL.	5317-73 (OA)
4	5106-16.	ACID: 1100 GAL 7-1/2% HCL.	5106-16
2	5038-50, 4988-5006.	ACID: 3000 GAL 7-1/2% HCL.	4988-5050 (OA)
		FRAC: 59,000 GAL GEL & 90,000# 20/40 SD.	4988-5116 (OA)

TUBING RECORD	Size 2-3/8"	Set At 4975	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
8-23-2001				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		934	2	

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

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

Production Interval: 4988-5116 (OA)

Schlumberger

Service Order

CONFIDENTIAL

Release
17-May-01
NOV 05 2003
From
Confidential

Customer ANADARKO PETROLEUM CORPORATI		Person Taking Call Trent Mitchell		Dowell Location Ulysses, KS		Order Date 4/30/01		Job Number 20217902				
Well Name and Number MURPHY-C-2			Legal Location Sec 11-32S-41W		Field Richfield		County Morton		State/Province Kansas			
Rig Name BIG A DRILLING 2		Well Age New		Sales Engineer Trent Mitchell			Job Type Cem Surface Casing					
Time Well Ready: 5/17/01		Deviation 0		Bit Size 12.3 in		Well MD 1,516 ft		Well TVD 1,516 ft		BHP 0 psi	BHST 96 °F	BHCT 80 °F
Treat Down Casing		Packer Type None		Packer Depth 0 ft		Well Head Connection Single cement head		HHP on Location 0		Max Allowed Pressure 0		Max Allowed Ann Pressure 0
Casing					Services Instructions:							
Depth, ft		Size, in	Weight, lb/ft		Grade	Thread	Cement surface casing at 1650' with 375 sks of lead and 100 sks of tail					
1506		8.63	23				KCC SEP 12 2001 CONFIDENTIAL					
0		0	0									
Tubing					Extra Equipment:							
Depth, ft		Size, in	Weight, lb/ft		Grade	Thread	CemSTREAK, 2 ABTs, Brennon Fica with PRISM 8 5/8" float equipment: auto fill insert, 5 centralizers, basket, threadlock kit, top plug, head swage and manifold APC to provide their own TX pattern shoe					
0		0	0									
0		0	0									
0		0	0									
Perforated Intervals												
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								

Contact	Voice	Mobile	FAX	Notes
Darrell Smith		281-543-2331		

Notes:

ORIGINAL

Directions:

Jct 51 & 27 in Richfield - 2E to cemetery - 2N to loc.

RECEIVED

SEP 17 2001

KCC WICHITA

Other Notes:

If there are any problems, contact Trent at 405-880-3396.

Release
NOV 05 2003

From
Confidential

Comments:

CONFIDENTIAL

ORIGINAL

Fluid Systems:

Lead			
390 sks C + 3% D79 + 0.2% D46 + 0.5 pps D29			
Density:	11.4 lb/gal	Thickening Time:	
Yield:	2.87 ft ³ /sk	Viscosity:	cp
H2O Mix:	17.7 gal/sk	Break Time:	
H2O:	6903 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/Amount	Total Quantity	
D029	0.5 lbs/sk	195	
D046	0.2 % BWOB	73.32	
D079	3 % BWOB	1099.8	
D903 "C"	94 lbs/sk	36660	

KCC

SEP 12 2001

CONFIDENTIAL

RECEIVED

SEP 17 2001

KCC WICHITA

Tail			
100 sks C + 2% S1 + 0.25 pps D29			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.32 ft ³ /sk	Viscosity:	cp
H2O Mix:	6.3 gal/sk	Break Time:	
H2O:	630 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/Amount	Total Quantity	
D903 "C"	94 lbs/sk	9400	
D029	0.25 lbs/sk	25	
S001	2 % BWOB	188	

Release

NOV 05 2003

From

Confidential

Schlumberger

Cementing Service Report

Customer ANADARKO PETROLEUM CORPORATION					20219820						
Well Murphy C-2 C-2		Location (legal)		Dowell Location Ulysses, KS			Job Start 6/8/01				
Field Richfield	Formation Name/Type			Deviation 0	BIT Size 7.88 in	Well MD 5,515 ft	Well TVD 5,515 ft				
County Morton	State/Province KS			BHP 0 psi	BHST 120 °F	BHCT 115 °F	Pore Press. Gradient 0 psi/ft				
Rig Name BIG A DRILLING A 4	Drilled For Oil & Gas	Service Via Land		Casing/Liner							
Offshore Zone	Well Class New	Well Type Development		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade K55				
Drilling Fluid Type Spud Mud	Max. Density 8.9 lb/gal	Plastic Viscosity 20 cp		Tubing/Drill Pipe							
Service Line Cementing	Job Type Cem Prod Casing			Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 0				
Max. Allowed Tubing Pressure 700 psi	Max. Allowed Ann. Pressure 0 psi	Wellhead Connection Single cement hea		Perforations/Open Hole							
Service Instructions Safely cement production casing as per customer's request				Top, ft 0	Bottom, ft 0	spl 0	No. of Shots 0	Total Interval 0 ft			
				Diameter 0 in							
				Treat Down Casing	Displacement 130.2 bbl		Packer Type 0 ft		Packer Depth 0 ft		
				Tubing Vol. 0 bbl	Casing Vol. 131.2 bbl	Annular Vol. 0 bbl		Open Hole Vol. 0 bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>							
Lift Pressure: 3620 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>							
No. Centralizers: 23	Top Plugs: 1	Bottom Plugs: 0		Casing Tools		Squeeze Job					
Cement Head Type: Single				Shoe Type: Guide	Squeeze Type						
Job Scheduled For: 6/8/01 3:00				Shoe Depth: 5515 ft	Tool Type:						
Arrived on Location: 6/8/01 3:00				Stage Tool Type DV	Tool Depth: 0 ft						
Leave Location: 6/8/01 14:00				Stage Tool Depth: 4022 ft	Tall Pipe Size: 0 in						
				Collar Type: Other	Tall Pipe Depth: 0 ft						
				Collar Depth: 5480 ft	Sqz Total Vol: 0 bbl						
Time	CPT773 THO	CumVol Proxim.	Density	Pressure UT	Message						
24 hr clock	bpm	bbl	ppg	psi							
7:15	0	0	0	0	START ACQUISITION						
7:15	0	0	8.33	4.58	Pressure Test Lines						
7:15	0	0	8.33	4.58	RECEIVED						
7:16	0	0	8.33	4.58							
7:17	0	0	8.33	4.58							
7:17	0	0	8.33	4.58							
7:18	0.946	0.024	8.34	77.84	SEP 17 2001						
7:18	0	0.121	8.33	3223							
7:19	0	0	8.33	45.79	KCC WICHITA						
7:19	3.3	0.754	8.32	183.2							
7:20	3.3	0.754	8.32	183.2	Start Pumping Water						
7:20	4.83	2.95	8.32	215.2							
7:20	4.83	5.37	8.32	210.6							
7:21	4.81	7.79	8.32	210.6							
7:21	4.81	10.21	8.32	210.6							
7:22	4.81	12.63	8.32	210.6							
7:22	4.81	12.63	8.32	210.6	CW						
7:22	4.78	15.04	8.32	215.2							
7:23	3.63	17.4	1.07	192.3							
7:23	3.73	19.27	8.79	178.6							
7:24	3.78	21.17	8.33	178.6							

Well		Field			Service Date	Customer	Job Number	Message
Murphy C-2 #C-2		Richfield				IRKO PETROLEUM CORP	2021	
Time	CPT773 THO	CumVol Proxim.	Density	Pressure UI				
24 hr clock	bpm	bbf	ppg	psf				
7:24	3.78	23.07	8.32	196.9	0	0	0	
7:25	3.78	23.07	8.32	196.9	0	0	0	Start Pumping Water
7:25	4.06	24.95	8.47	196.9	0	0	0	
7:25	4.7	27.21	8.47	219.8	0	0	0	
7:26	4.7	29.57	8.39	228.9	0	0	0	
7:26	4.63	31.92	10.56	224.4	0	0	0	
7:26	4.63	31.92	10.56	224.4	0	0	0	Start Cement Slurry
7:27	5.04	34.41	12.42	288.5	0	0	0	
7:27	5.11	36.96	12.54	274.7	0	0	0	
7:28	5.19	39.54	12.38	261.	0	0	0	
7:28	5.24	42.15	11.23	242.7	0	0	0	
7:29	5.32	0.713	10.13	228.9	0	0	0	
7:29	5.32	0.713	10.13	228.9	0	0	0	tail
7:29	5.14	3.38	10.93	206.	0	0	0	
7:30	2.96	5.33	10.84	105.3	0	0	0	
7:30	0.	6.09	10.64	45.79	0	0	0	
7:31	0.	6.09	11.24	36.63	0	0	0	
7:31	3.81	7.6	11.85	141.9	0	0	0	
7:32	0.	7.61	12.1	0.	0	0	0	
7:32	3.78	9.59	12.66	169.4	0	0	0	
7:33	0.	10.19	12.12	0.	0	0	0	
7:33	4.24	11.09	14.03	174.	0	0	0	
7:34	5.5	13.53	15.26	283.9	0	0	0	
7:34	5.52	16.27	14.3	238.1	0	0	0	
7:35	3.96	18.64	13.75	119.	0	0	0	
7:35	0.	19.23	14.38	-4.58	0	0	0	
7:36	0.	19.23	14.22	0.	0	0	0	
7:36	3.25	19.76	15.28	77.84	0	0	0	
7:37	4.12	21.8	14.36	137.4	0	0	0	
7:37	5.47	24.44	14.44	215.2	0	0	0	
7:38	5.42	27.18	15.12	219.8	0	0	0	
7:38	5.52	29.91	14.34	215.2	0	0	0	
7:39	5.5	32.67	14.21	192.3	0	0	0	
7:39	4.78	35.32	14.44	169.4	0	0	0	
7:40	4.78	37.73	15.11	178.6	0	0	0	
7:40	4.78	37.73	15.11	178.6	0	0	0	switch
7:40	3.99	39.92	13.5	100.7	0	0	0	
7:41	0.	40.42	14.45	-4.58	0	0	0	
7:41	0.	40.42	15.11	-4.58	0	0	0	
7:42	4.01	41.59	14.44	132.8	0	0	0	
7:42	3.94	43.59	15.61	146.5	0	0	0	
7:43	3.91	45.54	14.47	123.6	0	0	0	
7:43	3.91	47.52	14.96	128.2	0	0	0	
7:44	4.6	49.51	15.2	178.6	0	0	0	
7:44	4.65	51.78	14.58	160.3	0	0	0	
7:45	4.63	54.12	15.14	178.6	0	0	0	
7:45	4.91	56.57	15.54	224.4	0	0	0	
7:46	5.96	59.2	14.88	274.7	0	0	0	
7:46	5.96	62.2	14.58	256.4	0	0	0	
7:47	5.62	65.08	15.05	256.4	0	0	0	
7:47	5.37	67.78	14.55	228.9	0	0	0	
7:48	5.44	70.49	14.27	201.5	0	0	0	
7:48	0.	73.12	14.42	155.7	0	0	0	
7:49	0.	73.12	14.36	-4.58	0	0	0	

Release

NOV 05 2003

From Confidential

RECEIVED

SEP 17 2001

KCC WICHITA

Well		Field			Service Date	Customer	Job Number
Murphy C-2 #C-2		Richfield				IRKO PETROLEUM CORP	20219820
Time	CP1773 THO	CumVol Proxlm.	Density	Pressure UI			Message
24 hr clock	bpm	bbl	ppg	psi			
7:49	0.	0.	14.19	-4.58	0	0	0
7:50	0.	0.	13.76	-4.58	0	0	0
7:50	0.	0.	10.71	59.52	0	0	0
7:51	4.65	2.	9.34	169.4	0	0	0
7:51	6.08	4.57	8.69	256.4	0	0	0
7:52	6.06	7.62	8.46	251.8	0	0	0
7:52	6.08	10.67	8.36	251.8	0	0	0
7:53	0.	0.	8.34	4.58	0	0	0
7:53	4.37	0.258	8.34	68.68	0	0	0
7:54	3.83	2.36	8.33	64.1	0	0	0
7:54	3.83	2.36	8.33	64.1	0	0	0
7:54	3.83	2.36	8.33	64.1	0	0	0
7:54	3.83	4.29	8.33	59.52	0	0	0
7:55	3.83	6.22	8.32	59.52	0	0	0
7:55	4.01	8.21	8.31	64.1	0	0	0
7:56	4.06	10.24	8.31	64.1	0	0	0
7:56	4.04	12.27	8.31	64.1	0	0	0
7:57	4.06	14.31	8.31	64.1	0	0	0
7:57	4.04	16.33	8.31	64.1	0	0	0
7:58	4.04	18.36	8.31	64.1	0	0	0
7:58	4.01	20.39	8.31	64.1	0	0	0
7:59	4.04	22.42	8.31	64.1	0	0	0
7:59	4.04	24.45	8.31	64.1	0	0	0
8:00	4.04	26.47	8.31	64.1	0	0	0
8:00	4.06	28.5	8.31	64.1	0	0	0
8:01	4.04	1.35	8.84	68.68	0	0	0
8:01	4.04	3.38	9.07	68.68	0	0	0
8:02	5.06	5.5	9.22	77.84	0	0	0
8:02	5.01	8.01	9.26	73.26	0	0	0
8:03	4.98	10.52	9.27	87.	0	0	0
8:03	5.29	13.16	9.28	105.3	0	0	0
8:04	5.27	15.82	9.29	100.7	0	0	0
8:04	5.29	18.47	9.29	109.9	0	0	0
8:05	6.06	21.41	9.29	128.2	0	0	0
8:05	6.03	24.44	9.29	137.4	0	0	0
8:06	6.03	27.46	9.29	141.9	0	0	0
8:06	5.98	30.48	9.29	146.5	0	0	0
8:07	5.67	33.43	9.29	109.9	0	0	0
8:07	5.67	36.28	9.29	119.	0	0	0
8:08	5.67	39.13	9.29	123.6	0	0	0
8:08	5.67	41.98	9.29	105.3	0	0	0
8:09	5.67	44.83	9.29	128.2	0	0	0
8:09	4.86	47.44	9.3	77.84	0	0	0
8:10	4.88	49.89	9.3	87.	0	0	0
8:11	2.38	52.03	9.46	22.89	0	0	0
8:11	2.43	53.24	9.68	18.32	0	0	0
8:12	2.43	54.45	9.67	22.89	0	0	0
8:12	2.4	55.66	9.68	22.89	0	0	0
8:13	2.4	56.87	9.69	22.89	0	0	0
8:13	2.43	58.08	9.69	18.32	0	0	0
8:14	3.53	59.33	9.59	54.95	0	0	0
8:14	5.75	61.89	9.29	137.4	0	0	0
8:15	5.7	64.77	9.29	128.2	0	0	0
8:15	5.52	67.64	9.29	206.	0	0	0

plug gone
on displ

RECEIVED

1 SEP 17 2001

KCC WICHITA

Release
NOV 05 2003
From
Confidential

Well			Field		Service Date	Customer	Job Number
Murphy C-2 #C-2			Richfield			IRKO PETROLEUM CORP	20219820
Time	CPT/773 THO	CumVol Proxim.	Density	Pressure Uf			Message
24 hr clock	bpm	bbl	ppg	psl			
8:16	5.52	70.42	9.29	192.3	0	0	0
8:16	5.39	73.16	9.29	228.9	0	0	0
8:17	5.27	75.84	9.29	265.6	0	0	0
8:17	5.19	78.47	9.29	302.2	0	0	0
8:18	5.14	81.06	9.29	329.7	0	0	0
8:18	5.09	83.64	9.29	370.9	0	0	0
8:19	3.14	85.96	9.28	343.4	0	0	0
8:19	2.84	87.4	9.28	320.5	0	0	0
8:20	2.76	88.8	9.28	338.8	0	0	0
8:20	2.73	90.19	9.28	366.3	0	0	0
8:21	2.73	91.57	9.28	384.6	0	0	0
8:21	2.68	92.93	9.28	407.5	0	0	0
8:22	0.	93.36	9.26	1177	0	0	0
8:22	0.	93.36	9.26	1177	0	0	0
8:22	0.	93.36	9.71	1177	0	0	0
8:23	0.	93.36	9.75	1177	0	0	0
8:23	0.	93.36	9.78	828.8	0	0	0
8:24	0.	93.36	9.81	302.2	0	0	0
8:24	0.	93.36	9.84	-9.16	0	0	0
8:25	0.	93.36	9.86	-4.58	0	0	0
8:25	0.	93.36	9.9	-4.58	0	0	0
8:26	0.	93.36	9.91	-4.58	0	0	0
8:26	0.	93.36	9.92	-4.58	0	0	0
8:27	0.	93.36	9.94	4.58	0	0	0
8:27	0.	93.36	9.95	4.58	0	0	0
8:28	0.	93.36	9.97	0.	0	0	0
8:28	0.	93.36	9.97	4.58	0	0	0
8:29	0.	93.36	9.99	4.58	0	0	0
8:29	0.	93.36	10.	4.58	0	0	0
8:30	0.	93.36	10.	4.58	0	0	0
8:30	0.	93.36	10.	4.58	0	0	0
8:30	0.	93.36	10.	4.58	0	0	0
8:30	0.	93.36	10.	4.58	0	0	0
8:47	0.	93.36	10.	4.58	0	0	0
8:47	0.	93.36	13.67	4.58	0	0	0
8:47	0.	93.36	13.67	4.58	0	0	0
8:48	0.	93.36	13.68	4.58	0	0	0
8:48	0.	93.36	12.19	4.58	0	0	0
8:49	0.	93.36	9.42	77.84	0	0	0
8:49	0.	93.36	9.26	73.26	0	0	0
8:50	0.	93.36	9.28	9.16	0	0	0
8:50	0.	93.36	9.41	36.63	0	0	0
8:51	2.43	93.86	9.25	73.26	0	0	0
8:51	3.94	95.82	9.26	87.	0	0	0
8:52	3.96	97.79	9.14	73.26	0	0	0
8:52	3.96	99.77	9.14	73.26	0	0	0
8:53	0.	101.1	8.62	-4.58	0	0	0
8:53	0.	101.1	8.59	-4.58	0	0	0
8:54	0.	101.1	8.57	-4.58	0	0	0
8:54	0.	101.1	8.57	-4.58	0	0	0
8:55	0.	101.1	8.58	-4.58	0	0	0
8:55	0.	101.1	8.59	-4.58	0	0	0
8:56	0.	101.1	9.17	-9.16	0	0	0
8:56	0.	101.1	9.31	-4.58	0	0	0

bump plug

RECEIVED

SEP 17 2001

KCC WICHITA

drop opening bomb
wait 20 min
PAUSE ACQUISITION
RESTART AFTER PAUSE

start pumping

Release
NOV 05 2003
From
Confidential

Well		Field				Service Date		Customer		Job Number	
Murphy C-2 #C-2		Richfield						IRKO PETROLEUM CORP		20219820	
Time	CPT773 THO	CumVol Proxm.	Density	Pressure UI				Message			
24 hr clock	bpm	bbl	ppg	psi							
8:57	0.	101.1	9.34	-4.58	0	0	0				
8:57	0.	101.1	9.31	0.	0	0	0				
8:58	0.	101.1	10.68	0	0	0	0				
8:58	0.	101.1	10.73	4.58	0	0	0				
8:59	0.	101.1	10.49	4.58	0	0	0				
8:59	0.	101.1	10.33	0.	0	0	0				
9:00	0.	101.1	10.13	4.58	0	0	0				
9:00	0.	101.1	9.96	4.58	0	0	0				
9:01	0.	101.1	9.81	4.58	0	0	0				
9:01	0.	101.1	8.58	64.1	0	0	0				
9:02	0.	101.1	8.81	9.16	0	0	0				
9:02	0.	101.1	7.78	4.58	0	0	0				
9:03	0.	101.1	8.16	18.32	0	0	0				
9:03	0.	101.1	8.05	9.16	0	0	0				
9:03	0.	101.1	8.05	9.16	0	0	0	end first stage			
Post Job Summary											
Average Pump Rates, bpm						Volume of Fluid injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2				
3	0	0	5	136	93	10	0				
Treating Pressure Summary, psi						Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density				
1500	1500	0	1500	0		0 bbl	0 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface?	Volume	0 bbl					
0 %	136 bbl	130 bbl	65 °F	<input type="checkbox"/> Washed Thru Perfs	To	0 ft					
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed		
Darrell Smith			Shubhanan Dakshindas								

RECEIVED

SEP 17 2001

KCC WICHITA

Release
 NOV 05 2003
 From
 Confidential



Cementing Service Report

Customer ANADARKO PETROLEUM CORPORATION				Job Number 20219820																																																																																																																																																																																																			
Well Murphy C-2 C-2		Location (legal)		Dowell Location Olysses, KS		Job Start 6/8/01																																																																																																																																																																																																	
Field Richfield		Formation Name/Type		Deviation 0		Well TVD 5,515 ft																																																																																																																																																																																																	
County Morton		State/Province KS		Blt Size 7.88 in		Well MD 5,515 ft																																																																																																																																																																																																	
Rig Name BIG A DRILLING A 4		Drilled For Oil & Gas		BHP 0 psi		Pore Press. Gradient 0 psi/ft																																																																																																																																																																																																	
Offshore Zone		Well Class New		BHST 120 °F		BHCT 115 °F																																																																																																																																																																																																	
Drilling Fluid Type		Max. Density 8.9 lb/gal		Plastic Viscosity 20 cp		Casing/Liner																																																																																																																																																																																																	
Spud Mud		Well Type Development		Depth, ft 5515		Size, in 5.5																																																																																																																																																																																																	
Service Line Cementing		Job Type Cem Prod Casing		Weight, lb/ft 15.5		Grade K55																																																																																																																																																																																																	
Max. Allowed Tubing Pressure 700 psi		Max. Allowed Ann. Pressure 0 psi		Wellhead Connection Single cement head		Thread 8RD																																																																																																																																																																																																	
Service Instructions Safely cement production casing as per customer's request				Tubing/Drill Pipe																																																																																																																																																																																																			
				Depth, ft 0																																																																																																																																																																																																			
				Size, in 0																																																																																																																																																																																																			
				Weight, lb/ft 0																																																																																																																																																																																																			
				Grade 0																																																																																																																																																																																																			
				Thread 0																																																																																																																																																																																																			
				Perforations/Open Hole																																																																																																																																																																																																			
				Top, ft 0																																																																																																																																																																																																			
				Bottom, ft 0																																																																																																																																																																																																			
				spt 0																																																																																																																																																																																																			
				No. of Shots 0																																																																																																																																																																																																			
				Total Interval 0 ft																																																																																																																																																																																																			
				Diameter 0 in																																																																																																																																																																																																			
				Treat Down Casing																																																																																																																																																																																																			
				Displacement 130.2 bbl																																																																																																																																																																																																			
				Packer Type 0 bbl																																																																																																																																																																																																			
				Packer Depth 0 ft																																																																																																																																																																																																			
				Tubing Vol. 0 bbl																																																																																																																																																																																																			
				Casing Vol. 131.2 bbl																																																																																																																																																																																																			
				Annular Vol. 0 bbl																																																																																																																																																																																																			
				Open Hole Vol. 0 bbl																																																																																																																																																																																																			
Casing/Tubing Secured <input checked="" type="checkbox"/>				Flow Volume Circulated prior to Cementing <input type="checkbox"/>																																																																																																																																																																																																			
Lift Pressure: 3620 psi				Shoe Type: Guide																																																																																																																																																																																																			
Pipe Rotated <input type="checkbox"/>				Shoe Depth: 5515 ft																																																																																																																																																																																																			
Pipe Reciprocated <input checked="" type="checkbox"/>				Stage Tool Type DV																																																																																																																																																																																																			
No. Centralizers: 23				Top Plugs: 1																																																																																																																																																																																																			
Bottom Plugs: 0				Stage Tool Depth: 4022 ft																																																																																																																																																																																																			
Cement Head Type: Single				Collar Type: Other																																																																																																																																																																																																			
Job Scheduled For: 6/8/01 3:00				Collar Depth: 5480 ft																																																																																																																																																																																																			
Arrived on Location: 6/8/01 3:00				Squeeze Job																																																																																																																																																																																																			
Leave Location: 6/8/01 14:00				Squeeze Type																																																																																																																																																																																																			
				Tool Type:																																																																																																																																																																																																			
				Tool Depth: 0 ft																																																																																																																																																																																																			
				Tail Pipe Size: 0 in																																																																																																																																																																																																			
				Tail Pipe Depth: 0 ft																																																																																																																																																																																																			
				Sqr Total Vol: 0 bbl																																																																																																																																																																																																			
<table border="1"> <thead> <tr> <th>Time</th> <th>CPT773 THO</th> <th>CumVol E&H</th> <th>CumVol Proxim.</th> <th>Density</th> <th>Pressure U1</th> <th>Rate E&H</th> <th>Message</th> </tr> <tr> <th>24 hr clock</th> <th>bpm</th> <th>bbl</th> <th>bbl</th> <th>ppg</th> <th>psi</th> <th>bpm</th> <th></th> </tr> </thead> <tbody> <tr><td>11:47</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>START ACQUISITION</td></tr> <tr><td>11:47</td><td>0.</td><td>0.</td><td>0.</td><td>-6.25</td><td>-3727</td><td>0.</td><td></td></tr> <tr><td>11:48</td><td>0.</td><td>0.</td><td>0.</td><td>-6.25</td><td>-3727</td><td>0.</td><td>start 2nd stage</td></tr> <tr><td>11:48</td><td>0.</td><td>0.</td><td>0.</td><td>8.49</td><td>4.58</td><td>0.</td><td></td></tr> <tr><td>11:48</td><td>0.</td><td>0.</td><td>0.</td><td>8.51</td><td>4.58</td><td>0.</td><td></td></tr> <tr><td>11:49</td><td>0.</td><td>0.</td><td>0.</td><td>8.47</td><td>4.58</td><td>0.</td><td></td></tr> <tr><td>11:49</td><td>2.07</td><td>0.142</td><td>0.082</td><td>8.32</td><td>196.9</td><td>1.6</td><td></td></tr> <tr><td>11:50</td><td>3.25</td><td>1.69</td><td>1.62</td><td>8.26</td><td>160.3</td><td>3.46</td><td></td></tr> <tr><td>11:50</td><td>4.98</td><td>3.98</td><td>3.85</td><td>8.26</td><td>178.6</td><td>5.23</td><td></td></tr> <tr><td>11:51</td><td>4.96</td><td>6.56</td><td>6.34</td><td>8.22</td><td>178.6</td><td>5.17</td><td></td></tr> <tr><td>11:51</td><td>4.96</td><td>6.56</td><td>6.34</td><td>8.22</td><td>178.6</td><td>5.17</td><td>Start Pumping Water</td></tr> <tr><td>11:51</td><td>4.6</td><td>9.15</td><td>8.72</td><td>8.2</td><td>169.4</td><td>4.84</td><td></td></tr> <tr><td>11:52</td><td>4.6</td><td>9.15</td><td>8.72</td><td>8.2</td><td>169.4</td><td>4.84</td><td>Start Cement Slurry</td></tr> <tr><td>11:52</td><td>4.6</td><td>9.15</td><td>8.72</td><td>8.2</td><td>169.4</td><td>4.84</td><td>(CumVol Proxim.)=10.26 bbl</td></tr> <tr><td>11:52</td><td>4.6</td><td>9.15</td><td>8.72</td><td>8.2</td><td>169.4</td><td>4.84</td><td>Reset Volume</td></tr> <tr><td>11:52</td><td>4.5</td><td>1.74</td><td>0.683</td><td>11.</td><td>192.3</td><td>3.72</td><td></td></tr> <tr><td>11:52</td><td>4.47</td><td>4.14</td><td>2.95</td><td>11.11</td><td>210.6</td><td>4.84</td><td></td></tr> <tr><td>11:53</td><td>4.4</td><td>6.19</td><td>5.17</td><td>10.98</td><td>183.2</td><td>3.84</td><td></td></tr> <tr><td>11:54</td><td>4.42</td><td>8.65</td><td>7.39</td><td>11.56</td><td>187.7</td><td>5.23</td><td></td></tr> <tr><td>11:54</td><td>4.42</td><td>8.65</td><td>7.39</td><td>11.56</td><td>187.7</td><td>5.23</td><td>tail</td></tr> <tr><td>11:54</td><td>4.42</td><td>10.95</td><td>9.62</td><td>12.13</td><td>192.3</td><td>5.17</td><td></td></tr> <tr><td>11:55</td><td>4.42</td><td>13.47</td><td>11.84</td><td>13.88</td><td>196.9</td><td>5.01</td><td></td></tr> </tbody> </table>								Time	CPT773 THO	CumVol E&H	CumVol Proxim.	Density	Pressure U1	Rate E&H	Message	24 hr clock	bpm	bbl	bbl	ppg	psi	bpm		11:47	0	0	0	0	0	0	START ACQUISITION	11:47	0.	0.	0.	-6.25	-3727	0.		11:48	0.	0.	0.	-6.25	-3727	0.	start 2nd stage	11:48	0.	0.	0.	8.49	4.58	0.		11:48	0.	0.	0.	8.51	4.58	0.		11:49	0.	0.	0.	8.47	4.58	0.		11:49	2.07	0.142	0.082	8.32	196.9	1.6		11:50	3.25	1.69	1.62	8.26	160.3	3.46		11:50	4.98	3.98	3.85	8.26	178.6	5.23		11:51	4.96	6.56	6.34	8.22	178.6	5.17		11:51	4.96	6.56	6.34	8.22	178.6	5.17	Start Pumping Water	11:51	4.6	9.15	8.72	8.2	169.4	4.84		11:52	4.6	9.15	8.72	8.2	169.4	4.84	Start Cement Slurry	11:52	4.6	9.15	8.72	8.2	169.4	4.84	(CumVol Proxim.)=10.26 bbl	11:52	4.6	9.15	8.72	8.2	169.4	4.84	Reset Volume	11:52	4.5	1.74	0.683	11.	192.3	3.72		11:52	4.47	4.14	2.95	11.11	210.6	4.84		11:53	4.4	6.19	5.17	10.98	183.2	3.84		11:54	4.42	8.65	7.39	11.56	187.7	5.23		11:54	4.42	8.65	7.39	11.56	187.7	5.23	tail	11:54	4.42	10.95	9.62	12.13	192.3	5.17		11:55	4.42	13.47	11.84	13.88	196.9	5.01	
Time	CPT773 THO	CumVol E&H	CumVol Proxim.	Density	Pressure U1	Rate E&H	Message																																																																																																																																																																																																
24 hr clock	bpm	bbl	bbl	ppg	psi	bpm																																																																																																																																																																																																	
11:47	0	0	0	0	0	0	START ACQUISITION																																																																																																																																																																																																
11:47	0.	0.	0.	-6.25	-3727	0.																																																																																																																																																																																																	
11:48	0.	0.	0.	-6.25	-3727	0.	start 2nd stage																																																																																																																																																																																																
11:48	0.	0.	0.	8.49	4.58	0.																																																																																																																																																																																																	
11:48	0.	0.	0.	8.51	4.58	0.																																																																																																																																																																																																	
11:49	0.	0.	0.	8.47	4.58	0.																																																																																																																																																																																																	
11:49	2.07	0.142	0.082	8.32	196.9	1.6																																																																																																																																																																																																	
11:50	3.25	1.69	1.62	8.26	160.3	3.46																																																																																																																																																																																																	
11:50	4.98	3.98	3.85	8.26	178.6	5.23																																																																																																																																																																																																	
11:51	4.96	6.56	6.34	8.22	178.6	5.17																																																																																																																																																																																																	
11:51	4.96	6.56	6.34	8.22	178.6	5.17	Start Pumping Water																																																																																																																																																																																																
11:51	4.6	9.15	8.72	8.2	169.4	4.84																																																																																																																																																																																																	
11:52	4.6	9.15	8.72	8.2	169.4	4.84	Start Cement Slurry																																																																																																																																																																																																
11:52	4.6	9.15	8.72	8.2	169.4	4.84	(CumVol Proxim.)=10.26 bbl																																																																																																																																																																																																
11:52	4.6	9.15	8.72	8.2	169.4	4.84	Reset Volume																																																																																																																																																																																																
11:52	4.5	1.74	0.683	11.	192.3	3.72																																																																																																																																																																																																	
11:52	4.47	4.14	2.95	11.11	210.6	4.84																																																																																																																																																																																																	
11:53	4.4	6.19	5.17	10.98	183.2	3.84																																																																																																																																																																																																	
11:54	4.42	8.65	7.39	11.56	187.7	5.23																																																																																																																																																																																																	
11:54	4.42	8.65	7.39	11.56	187.7	5.23	tail																																																																																																																																																																																																
11:54	4.42	10.95	9.62	12.13	192.3	5.17																																																																																																																																																																																																	
11:55	4.42	13.47	11.84	13.88	196.9	5.01																																																																																																																																																																																																	

RECEIVED

SEP 17 2001

KCC WICHITA

Release
NOV 05 2003
From
Confidential

Well			Field			Service Date	Customer	Job Number
Murphy C-2 #C-2			Richfield				ARCO PETROLEUM CORP	20219820
Time	CP1773 THO	CumVol E&H	CumVol Proxim.	Density	Pressure Ut	Rate E&H	Message	
24 hr clock	bpm	bbl	bbl	ppg	psf	bpm		
11:55	4.58	15.95	14.09	15.09	215.2	4.3	0	
11:56	4.68	18.43	16.41	14.87	192.3	5.21	0	
11:56	4.75	20.86	18.78	14.31	141.9	4.98	0	
11:57	4.78	23.22	21.18	14.59	151.1	4.44	0	
11:57	4.78	25.72	23.58	14.9	160.3	4.72	0	
11:58	4.75	28.21	25.97	14.83	155.7	4.74	0	
11:58	4.78	30.7	28.37	14.79	146.5	5.07	0	
11:59	4.78	33.24	30.77	14.36	137.4	5.21	0	
11:59	4.78	35.67	33.18	14.67	137.4	5.01	0	
12:00	4.93	38.64	35.62	14.19	155.7	5.13	0	
12:00	0.	40.52	37.23	14.16	-4.58	0.04	0	
12:01	0.	40.52	37.23	14.16	9.16	0.	0	
12:01	6.06	41.84	38.51	8.91	256.4	4.8	0	
12:02	6.08	44.98	41.58	8.54	242.7	6.45	0	
12:02	6.11	48.35	44.66	8.34	215.2	6.21	0	
12:03	0.	50.45	45.89	8.36	-9.16	0.	0	
12:03	0.	50.45	45.89	8.35	-4.58	0.	0	
12:04	4.37	52.37	47.66	8.32	59.52	4.94	0	
12:04	5.34	55.07	50.23	8.32	45.79	5.59	0	
12:05	5.34	57.9	52.9	8.32	50.37	5.65	0	
12:05	5.34	57.9	52.9	8.32	50.37	5.65	0	on disp
12:05	5.32	60.73	55.58	8.32	54.95	5.63	0	Reset Volume
12:05	5.32	60.73	55.58	8.32	54.95	5.63	0	(CumVol Proxim.)=55.76 bbl
12:05	5.32	60.73	55.58	8.32	54.95	5.63	0	12 bbls gone
12:06	5.34	2.55	2.41	8.31	50.37	5.63	0	
12:06	5.06	5.29	4.99	8.31	50.37	5.39	0	
12:07	5.04	8.	7.53	8.31	59.52	5.37	0	
12:07	5.06	10.69	10.07	8.31	50.37	5.39	0	
12:08	5.06	13.4	12.61	8.31	45.79	5.39	0	
12:08	5.06	16.1	15.14	8.31	45.79	5.37	0	
12:09	5.06	18.8	17.68	8.31	50.37	5.31	0	
12:09	5.04	21.49	20.21	8.31	54.95	5.37	0	
12:10	5.01	24.18	22.73	8.31	54.95	5.35	0	
12:10	5.01	26.87	25.24	8.31	54.95	5.31	0	
12:11	5.01	29.55	27.76	8.31	59.52	5.33	0	
12:11	4.98	32.23	30.27	8.31	50.37	5.37	0	
12:12	4.98	34.92	32.78	8.31	50.37	5.33	0	
12:12	5.01	37.6	35.29	8.31	50.37	5.33	0	
12:13	4.98	40.27	37.8	8.31	50.37	5.33	0	
12:13	5.01	42.95	40.31	8.31	54.95	5.35	0	
12:14	4.98	45.64	42.83	8.31	54.95	5.31	0	
12:14	5.01	48.31	45.34	8.31	54.95	5.27	0	
12:15	5.01	50.98	47.85	8.31	50.37	5.35	0	
12:15	4.98	53.67	50.36	8.31	59.52	5.33	0	
12:16	5.01	56.37	52.88	8.31	54.95	5.33	0	
12:16	5.01	59.05	55.4	8.31	68.68	5.35	0	
12:17	4.91	61.62	57.88	8.31	77.84	5.09	0	
12:17	4.81	64.16	60.33	8.31	164.8	5.	0	
12:18	4.73	66.63	62.72	8.31	128.2	4.86	0	
12:18	4.6	69.06	65.07	8.31	201.5	4.76	0	
12:19	4.52	71.42	67.36	8.31	247.3	4.68	0	
12:19	4.55	73.75	69.63	8.31	288.5	4.7	0	
12:20	4.5	76.1	71.91	8.31	320.5	4.66	0	

RECEIVED
 1 SEP 17 2001
 KCC-WICHITA

Release
 NOV 05 2003
 From
 Confidential

Well		Field				Service Date		Customer		Job Number	
Murphy C-2 #C-2		Richfield						VRKO PETROLEUM CORP		20219820	
Time	CPT773 THO	CumVol E&H	CumVol Proxlm.	Density	Pressure U1	Rate E&H	Message				
24 hr clock	bpm	bbl	bbl	ppg	psl	bpm					
12:20	4.5	78.43	74.17	8.31	375.5	4.6	0				
12:21	4.4	80.73	76.41	8.31	416.7	4.56	0				
12:21	3.89	82.92	78.53	8.31	439.6	4.04	0				
12:22	3.81	84.92	80.47	8.31	476.2	3.96	0				
12:22	3.76	86.88	82.37	8.31	503.7	3.88	0				
12:23	0.	88.36	83.71	8.31	2143	1.04	0				
12:23	0.	88.38	83.71	8.31	2125	0.	0				
12:24	0.	88.38	83.71	8.31	993.6	0.	0				
12:24	0.	88.39	83.71	8.31	4.58	0.	0				
12:25	0.	88.39	83.71	8.84	4.58	0.	0				
Post Job Summary											
Average Pump Rates, bpm						Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2				
3	0	0	5	136	93	10	0				
Treating Pressure Summary, psi						Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density				
1500	1500	0	1500	0		0 bbl	0 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	Washed Thru Perfs	To				
0 %	136 bbl	130 bbl	65 °F	<input type="checkbox"/>	0 bbl	To	0 ft				
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed		
Darrell Smith			Shubhanan Dakshindas								

RECEIVED

SEP 17 2001

KCC WICHITA

Release
 NOV 05 2003
 From
 Confidential

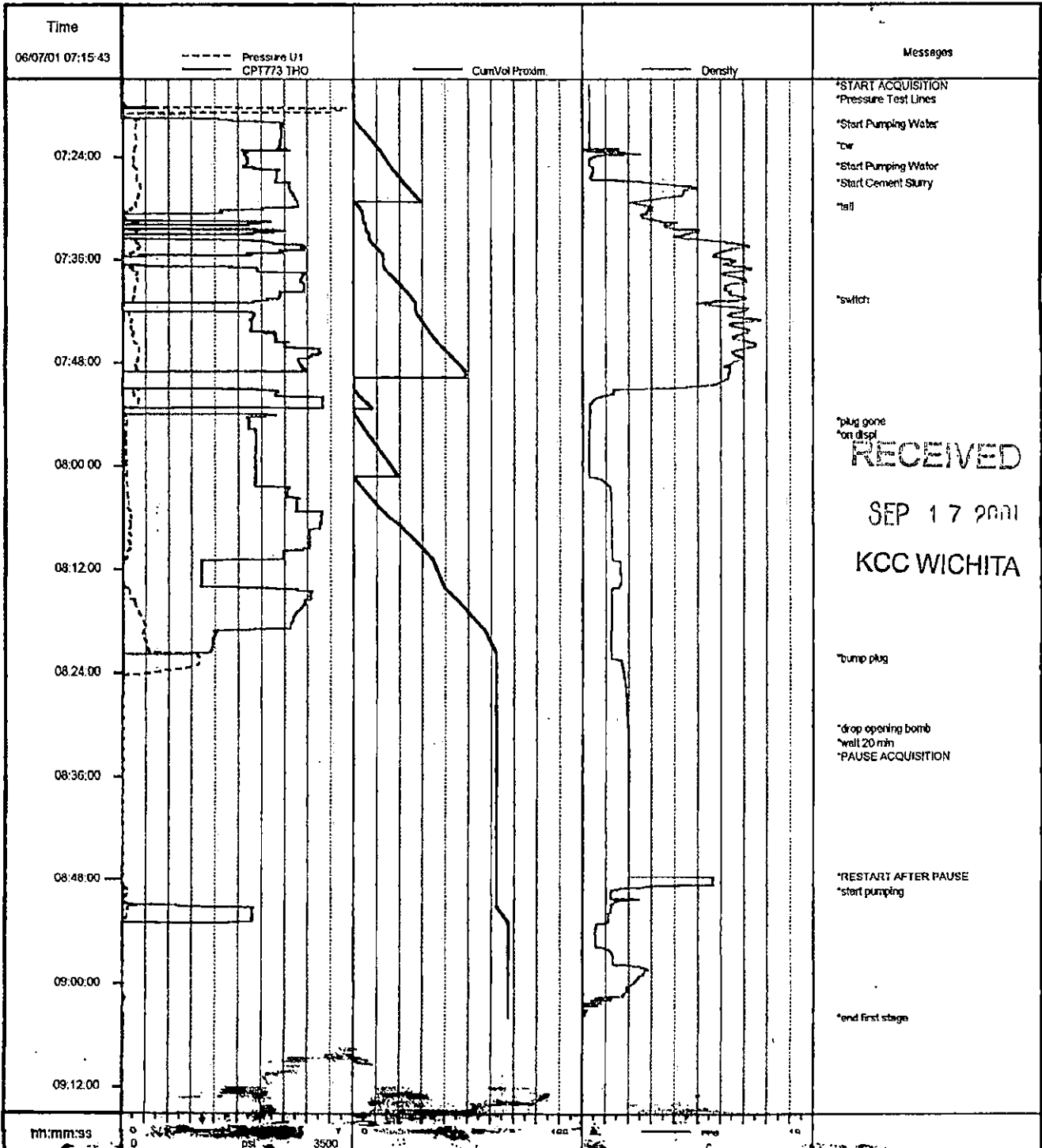
Release
NOV 05 2003
From
Confidential



Cementing Job Report

PRISM V2.23

Well	Murphy C 2	Client	APC
Field	Richfield	SIR No.	20219820
Country	USA	Job Date	6/7/2001 7:15:43 AM



RECEIVED
SEP 17 2001
KCC WICHITA

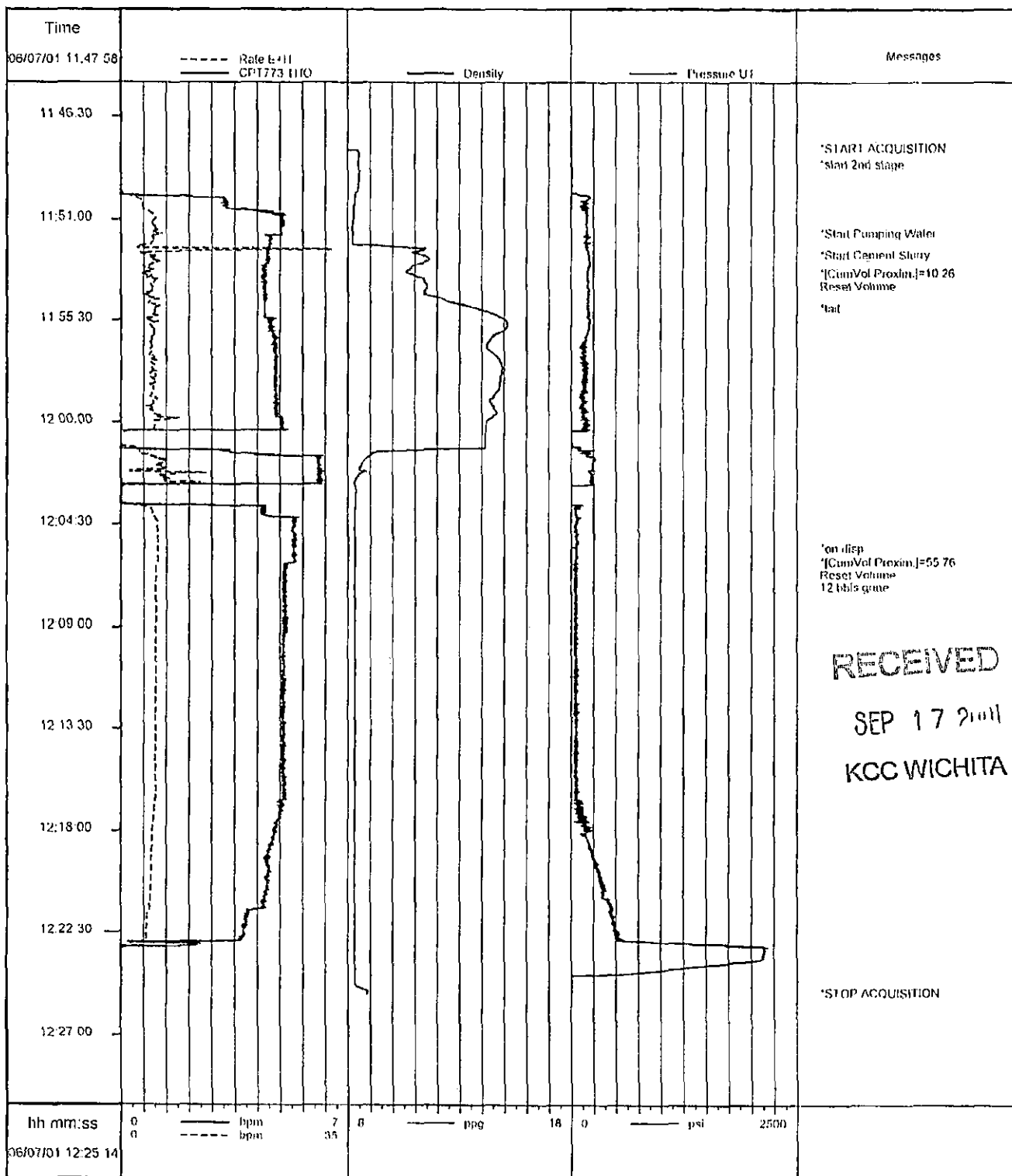
Job: apc
101 09:05:14

Cementing Job Report

Release
PRISM V2.23
NOV 05 2003

From
Confidential

Well	Murphy C 2	Client	APC
Field	Richfield	SIR No.	20219820
Country	USA	Job Date	6/7/2001 11:47:58 AM



RECEIVED
SEP 17 2001
KCC WICHITA

Job: apc

06/12/2001 08:44:50