

ORIGINAL

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

JAN 27 2003

CONFIDENTIAL

Operator: License # 4549

CONSERVATION DIVISION
WICHITA, KS

Name: ANADARKO PETROLEUM CORPORATION

Address 701 S. TAYLOR, SUITE 400

City/State/Zip AMARILLO, TEXAS 79109

Purchaser: NCRA

KCC

Operator Contact Person: JOHN VIGIL

Phone (806) 457-4600

JAN 23 2003

Contractor: Name: MURFIN DRILLING

CONFIDENTIAL

License: 30606

Wellsite Geologist:

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

12-17-2002 12-29-2002 01-13-2003

Spud Date Date Reached TD Completion Date

API NO. 15- 067-21505

County GRANT

AP N/2- SW- NE- SE Sec. 3 Twp. 30S Rge. 35 X W

1720 Feet from X (circle one) Line of Section

990 Feet from X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name AHERN "A" Well # 4

Field Name RYUS E.

Producing Formation MORROW

Elevation: Ground 2982 KB

Total Depth 5702 PBD 5642

Amount of Surface Pipe Set and Cemented at 1760 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) *See 1 cm*

Chloride content 1200 ppm Fluid volume 700 bbls

Dewatering method used

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 1-23-03

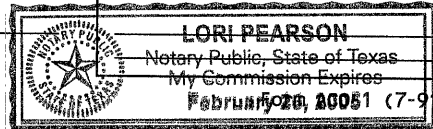
Subscribed and sworn to before me this 23 day of January 20 03.

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)



Operator Name ANADARKO PETROLEUM CORPORATION Lease Name AHERN "A" Well # 4

Sec. 3 Twp. 30S Rge. 35 East County GRANT
 West

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	CHASE	2464
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2780
List All E.Logs Run: CBL, DIL, CNL-LDT, ML, SONIC.		B/HHEEBNER	3946
		MARMATON	4650
		MORROW	5232
		STE. GENEVIEVE	5538

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
SURFACE	12-1/4"	8-5/8"	23.0	1760	CLASS C/ CLASS C.	430/100	3% D79, .2% D46, 1/4# /SK CF/2% S1, 1/4# /SK CF.
PRODUCTION	7-7/8"	5-1/2"	15.5	5698	50/50 POZ/ 50/50 POZ.	25/160	10% D44, 2% D20, .2% D46, 1/4# CF/SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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	5320-34.		NONE.
6	5304-12.		NONE.	
TUBING RECORD	Size 2-7/8"	Set At 5340	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 01-16-2003		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 200 Bbls.	Gas 30 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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: 5304-34 (OA)

CONFIDENTIAL

Cementing Service Report

ORIGINAL

RECEIVED Schlumberger

JAN 27 2003

CONSERVATION DIVISION
WICHITA KS
County

Customer ANADARKO PETROLEUM CORPORATION	Job Number 2205541435
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Well AHEARN A-4	Location (legal) KCC	Schlumberger Location Perryton, TX	Job Start 2002-Dec-19
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Field RICE	Formation Name/Type KANSAS	Deviation 0	Bit Size 12.3 in	Well MD 1,760 ft	Well TVD 1,760 ft
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State/Province KANSAS	BHP psi	BHST 92 °F	BHCT 86 °F	Pore Press. Gradient psi/ft
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Well Master: 0630465455	API / UWI:	Casing/Liner
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Rig Name	Drilled For Oil & Gas	Service Via	Depth, ft 1771	Size, in 8.63	Weight, lb/ft 24	Grade J55	Thread
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Offshore Zone	Well Class New	Well Type Development	Tubing/Drill Pipe				
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Drilling Fluid Type	Max. Density 9 lb/gal	Plastic Vt: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread
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Service Line Cementing	Job Type Cem Surface Casing	Perforations/Open Hole				
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Max. Allowed Tubing Pressure 500 psi	Max. Allowed Ann. Pressure psi	WellHead Connection 8 5/8 HS&M	Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft
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Service Instructions CEMENT 8 5/8 IN CASING W: LEAD: 430 SKS CLASS C+3%D79+0.5 PPS D29+0.2%D46 TAIL: 100 SKS CLASS C+2%S1+0.25 PPS D29							
Treat Down Casing	Displacement 109.9 bbl	Packer Type None	Packer Depth 0 ft				
Tubing Vol. bbl	Casing Vol. 112.8 bbl	Annular Vol. 130 bbl	OpenHole Vol 257 bbl				

Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>	Casing Tools	Squeeze Job
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Lift Pressure: 1020 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Type: Guide	Squeeze Type
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No. Centralizers: 4	Top Plugs: 1	Bottom Plugs:	Shoe Depth: 1771 ft	Tool Type:
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Cement Head Type: Single	Job Scheduled For: 12/18/2002	Arrived on Location: 2002-Dec-18 21:15	Leave Location: 2002-Dec-19	Stage Tool Type:	Tool Depth: ft
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Collar Type: Auto-Fill	Tail Pipe Size: in	Collar Depth: 1726 ft	Tail Pipe Depth: ft	Stage Tool Depth: ft	Tail Pipe Depth: ft
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Date	Time	Treating Pressure psi	Density lb/gal	Rate bbl/min	Volume bbl	0	0	0	Message
2002-Dec-19	7:04	0	8.31	0.0	0.0	0	0	0	
2002-Dec-19	7:04								Pressure Test Lines
2002-Dec-19	7:04	5	8.31	0.0	0.0	0	0	0	
2002-Dec-19	7:04	0	8.31	0.0	0.0	0	0	0	
2002-Dec-19	7:05	5	8.31	0.0	0.0	0	0	0	
2002-Dec-19	7:05	0	8.31	0.0	0.0	0	0	0	
2002-Dec-19	7:07	18	8.24	1.0	0.1	0	0	0	
2002-Dec-19	7:08	25	7.42	2.9	1.1	0	0	0	
2002-Dec-19	7:08	62	7.96	0.1	1.6	0	0	0	
2002-Dec-19	7:09	1030	8.31	0.0	1.7	0	0	0	
2002-Dec-19	7:09	55	8.31	0.0	1.7	0	0	0	
2002-Dec-19	7:09	9	8.31	0.0	1.7	0	0	0	
2002-Dec-19	7:09								Start Job
2002-Dec-19	7:10	16	8.31	0.0	0.0	0	0	0	
2002-Dec-19	7:10	55	8.31	2.8	0.2	0	0	0	
2002-Dec-19	7:10								Start Pumping Spacer
2002-Dec-19	7:10	146	8.32	5.4	0.2	0	0	0	
2002-Dec-19	7:11	162	8.34	5.7	3.0	0	0	0	
2002-Dec-19	7:11	177	8.34	5.9	5.9	0	0	0	
2002-Dec-19	7:12								Reset Total, Vol = 8.55 bbl
2002-Dec-19	7:12	187	8.39	6.0	8.6	0	0	0	
2002-Dec-19	7:12	187	8.58	6.0	0.0	0	0	0	

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Well		File #		Service Date		Customer		Job Number	
AHEARN #A-4				02353-Dec-19		ANADARKO PETROLEUM CORPORATION		2205541435	
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2002-Dec-19	7:12								Start Mixing Lead Slurry
2002-Dec-19	7:12	196	9.35	6.0	0.9	0	0	0	
2002-Dec-19	7:12	210	10.44	5.9	3.0	0	0	0	
2002-Dec-19	7:13	221	10.98	6.2	6.0	0	0	0	
2002-Dec-19	7:13	227	11.24	6.3	9.1	0	0	0	
2002-Dec-19	7:14	225	11.33	6.3	12.3	0	0	0	
2002-Dec-19	7:14	225	11.37	6.3	15.4	0	0	0	
2002-Dec-19	7:15	238	11.39	6.8	18.6	0	0	0	
2002-Dec-19	7:15	243	11.47	6.8	22.1	0	0	0	
2002-Dec-19	7:16	243	11.53	6.8	25.5	0	0	0	
2002-Dec-19	7:16	236	11.44	6.8	28.9	0	0	0	
2002-Dec-19	7:17	174	11.29	5.7	32.0	0	0	0	
2002-Dec-19	7:17	170	11.15	5.7	34.8	0	0	0	
2002-Dec-19	7:18	178	11.49	5.8	37.7	0	0	0	
2002-Dec-19	7:18	166	11.32	5.7	40.6	0	0	0	
2002-Dec-19	7:19	171	11.84	5.8	43.5	0	0	0	
2002-Dec-19	7:19	172	11.78	5.8	46.4	0	0	0	
2002-Dec-19	7:20	164	11.50	5.8	49.3	0	0	0	
2002-Dec-19	7:20	188	11.40	6.4	52.4	0	0	0	
2002-Dec-19	7:21	185	11.31	6.4	55.6	0	0	0	
2002-Dec-19	7:21	182	11.31	6.4	58.8	0	0	0	
2002-Dec-19	7:22	184	11.50	6.4	62.0	0	0	0	
2002-Dec-19	7:22	186	11.57	6.4	65.2	0	0	0	
2002-Dec-19	7:23	181	11.59	6.4	68.4	0	0	0	
2002-Dec-19	7:23	183	11.58	6.5	71.6	0	0	0	
2002-Dec-19	7:24	185	11.52	6.5	74.9	0	0	0	
2002-Dec-19	7:24	184	11.50	6.5	78.1	0	0	0	
2002-Dec-19	7:25	187	11.50	6.5	81.3	0	0	0	
2002-Dec-19	7:25	179	11.46	6.5	84.6	0	0	0	
2002-Dec-19	7:26	188	11.44	6.5	87.8	0	0	0	
2002-Dec-19	7:26	186	11.43	6.5	91.1	0	0	0	
2002-Dec-19	7:27	185	11.44	6.5	94.3	0	0	0	
2002-Dec-19	7:27	184	11.43	6.5	97.6	0	0	0	
2002-Dec-19	7:28	191	11.37	6.5	100.8	0	0	0	
2002-Dec-19	7:28	183	11.16	6.6	104.1	0	0	0	
2002-Dec-19	7:29	186	11.53	6.5	107.4	0	0	0	
2002-Dec-19	7:29	197	11.82	6.5	110.7	0	0	0	
2002-Dec-19	7:30	192	11.47	6.6	113.9	0	0	0	
2002-Dec-19	7:30	178	11.14	6.6	117.2	0	0	0	
2002-Dec-19	7:31	174	11.25	6.5	120.5	0	0	0	
2002-Dec-19	7:31	178	11.36	6.6	123.9	0	0	0	
2002-Dec-19	7:32	183	11.29	6.6	127.2	0	0	0	
2002-Dec-19	7:32	179	11.44	6.5	130.4	0	0	0	
2002-Dec-19	7:33	188	11.47	6.6	133.7	0	0	0	
2002-Dec-19	7:33	188	11.54	6.6	137.0	0	0	0	
2002-Dec-19	7:34	188	11.50	6.6	140.3	0	0	0	
2002-Dec-19	7:34	190	11.61	6.6	143.6	0	0	0	
2002-Dec-19	7:35	192	11.63	6.6	146.9	0	0	0	
2002-Dec-19	7:35	192	11.56	6.6	150.2	0	0	0	
2002-Dec-19	7:36	192	11.58	6.6	153.5	0	0	0	
2002-Dec-19	7:36	191	11.66	6.5	156.8	0	0	0	
2002-Dec-19	7:37	188	11.50	6.6	160.1	0	0	0	
2002-Dec-19	7:37	188	11.43	6.6	163.4	0	0	0	
2002-Dec-19	7:38	184	11.37	6.6	166.7	0	0	0	

KCC

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RECEIVED KANSAS CORPORATION COMMISSION

JAN 27 2003

CONSERVATION DIVISION WICHITA, KS

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ORIGINAL

Well		Field		Service Date		Customer			Job Number
AHEARN #A-4				02353-Dec-19		ANADARKO PETROLEUM CORPORATION			2205541435
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2002-Dec-19	7:38	129	11.25	5.2	169.4	0	0	0	
2002-Dec-19	7:39	125	11.11	5.2	172.0	0	0	0	KCC
2002-Dec-19	7:39	130	11.53	5.2	174.6	0	0	0	JAN 23 2003
2002-Dec-19	7:40	135	11.75	5.1	177.1	0	0	0	
2002-Dec-19	7:40	130	11.31	5.1	179.7	0	0	0	
2002-Dec-19	7:41	125	11.03	5.2	182.3	0	0	0	CONFIDENTIAL
2002-Dec-19	7:41	122	11.12	5.1	184.9	0	0	0	
2002-Dec-19	7:42	127	11.29	5.1	187.4	0	0	0	
2002-Dec-19	7:42	133	11.51	5.1	190.0	0	0	0	
2002-Dec-19	7:43	134	11.47	5.1	192.6	0	0	0	
2002-Dec-19	7:43	131	11.44	5.1	195.2	0	0	0	
2002-Dec-19	7:44	134	11.40	5.1	197.7	0	0	0	RELEASED
2002-Dec-19	7:44	130	11.15	5.1	200.3	0	0	0	FROM
2002-Dec-19	7:45	128	11.05	5.1	202.8	0	0	0	CONFIDENTIAL
2002-Dec-19	7:45	131	11.36	5.1	205.4	0	0	0	
2002-Dec-19	7:46	157	12.24	5.1	207.9	0	0	0	
2002-Dec-19	7:46	145	11.45	5.1	210.5	0	0	0	
2002-Dec-19	7:47	140	11.68	5.1	213.0	0	0	0	
2002-Dec-19	7:47	140	11.56	5.1	215.6	0	0	0	
2002-Dec-19	7:48	143	11.64	5.1	218.1	0	0	0	
2002-Dec-19	7:48	143	11.79	5.1	220.7	0	0	0	
2002-Dec-19	7:49	152	11.96	5.1	223.2	0	0	0	
2002-Dec-19	7:49	160	12.59	5.1	225.8	0	0	0	
2002-Dec-19	7:50								Reset Total, Vol = 226.52 bbl
2002-Dec-19	7:50	168	13.03	5.1	226.5	0	0	0	
2002-Dec-19	7:50								Start Mixing Tail Slurry
2002-Dec-19	7:50	169	13.19	5.1	0.3	0	0	0	
2002-Dec-19	7:50	168	13.88	5.1	1.8	0	0	0	
2002-Dec-19	7:50	180	14.50	5.1	4.3	0	0	0	
2002-Dec-19	7:51	188	14.82	5.1	6.9	0	0	0	
2002-Dec-19	7:51	190	14.92	5.1	9.4	0	0	0	
2002-Dec-19	7:52	185	14.83	5.1	12.0	0	0	0	
2002-Dec-19	7:52	180	14.84	5.1	14.5	0	0	0	
2002-Dec-19	7:53	182	14.82	5.1	17.1	0	0	0	
2002-Dec-19	7:53	181	14.90	5.1	19.6	0	0	0	
2002-Dec-19	7:54	180	14.86	5.1	22.2	0	0	0	
2002-Dec-19	7:54	182	14.87	5.2	24.8	0	0	0	
2002-Dec-19	7:55	5	14.72	0.0	25.7	0	0	0	
2002-Dec-19	7:55								Reset Total, Vol = 25.74 bbl
2002-Dec-19	7:55	5	14.71	0.0	0.0	0	0	0	
2002-Dec-19	7:55								Drop Top Plug
2002-Dec-19	7:55								Start Displacement
2002-Dec-19	7:55	9	14.71	0.0	0.0	0	0	0	
2002-Dec-19	7:55	5	14.71	0.0	0.0	0	0	0	
2002-Dec-19	7:55	4	14.69	0.0	0.0	0	0	0	
2002-Dec-19	7:56	5	13.92	0.0	0.0	0	0	0	
2002-Dec-19	7:56	0	12.72	0.0	0.0	0	0	0	
2002-Dec-19	7:57	0	11.92	0.0	0.0	0	0	0	RECEIVED
2002-Dec-19	7:57	0	11.31	0.0	0.0	0	0	0	KANSAS CORPORATION COMMISSION
2002-Dec-19	7:58	0	10.89	0.0	0.0	0	0	0	
2002-Dec-19	7:58	5	10.59	0.0	0.0	0	0	0	JAN 27 2003
2002-Dec-19	7:59	50	10.28	0.0	0.0	0	0	0	
2002-Dec-19	7:59	106	9.06	5.4	2.1	0	0	0	
2002-Dec-19	8:00	97	9.04	5.4	4.8	0	0	0	CONSERVATION DIVISION

CONFIDENTIAL

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Well		Flow		Service Date		Customer			Job Number
AHEARN #A-4				02353-Dec-19		ANADARKO PETROLEUM CORPORATION			2205541435
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2002-Dec-19	8:00	60	8.33	5.4	7.5	0	0	0	
2002-Dec-19	8:01	70	8.34	5.4	10.2	0	0	0	KCC
2002-Dec-19	8:01	90	8.49	5.4	12.9	0	0	0	JAN 23 2003
2002-Dec-19	8:02	88	8.36	5.4	15.6	0	0	0	
2002-Dec-19	8:02	76	8.32	5.5	18.3	0	0	0	
2002-Dec-19	8:03	81	8.35	5.5	21.1	0	0	0	CONFIDENTIAL
2002-Dec-19	8:03	89	8.35	5.5	23.8	0	0	0	
2002-Dec-19	8:04	88	8.32	5.5	26.6	0	0	0	
2002-Dec-19	8:04	96	8.32	5.5	29.3	0	0	0	
2002-Dec-19	8:05	103	8.32	5.5	32.1	0	0	0	
2002-Dec-19	8:05	82	8.32	5.5	34.9	0	0	0	
2002-Dec-19	8:06	147	8.32	6.3	38.0	0	0	0	RELEASED
2002-Dec-19	8:06	140	8.31	6.1	41.1	0	0	0	FROM
2002-Dec-19	8:07	156	8.31	6.2	44.2	0	0	0	CONFIDENTIAL
2002-Dec-19	8:07	165	8.31	6.1	47.2	0	0	0	
2002-Dec-19	8:08	163	8.31	6.2	50.3	0	0	0	
2002-Dec-19	8:08	164	8.32	6.2	53.4	0	0	0	
2002-Dec-19	8:09	166	8.32	6.2	56.5	0	0	0	
2002-Dec-19	8:09	180	8.32	6.2	59.6	0	0	0	
2002-Dec-19	8:10	182	8.32	6.2	62.7	0	0	0	
2002-Dec-19	8:10	187	8.32	6.3	65.8	0	0	0	
2002-Dec-19	8:11	202	8.32	6.3	69.0	0	0	0	
2002-Dec-19	8:11	211	8.32	6.3	72.1	0	0	0	
2002-Dec-19	8:12	223	8.32	6.4	75.3	0	0	0	
2002-Dec-19	8:12	237	8.32	6.3	78.5	0	0	0	
2002-Dec-19	8:13	249	6.11	6.3	81.6	0	0	0	
2002-Dec-19	8:13	267	8.30	6.4	84.8	0	0	0	
2002-Dec-19	8:14	286	8.31	6.4	88.0	0	0	0	
2002-Dec-19	8:14	304	8.31	6.4	91.2	0	0	0	
2002-Dec-19	8:15	330	8.31	6.4	94.4	0	0	0	
2002-Dec-19	8:15	350	8.31	6.4	97.6	0	0	0	
2002-Dec-19	8:16	371	8.31	6.4	100.8	0	0	0	
2002-Dec-19	8:16	285	8.31	2.4	102.6	0	0	0	RECEIVED
2002-Dec-19	8:17	291	8.31	2.1	103.8	0	0	0	KANSAS CORPORATION COMMISSION
2002-Dec-19	8:17	290	8.31	1.9	104.8	0	0	0	
2002-Dec-19	8:18	301	8.31	2.0	105.8	0	0	0	JAN 27 2003
2002-Dec-19	8:18	307	8.31	2.0	106.8	0	0	0	
2002-Dec-19	8:19	314	8.31	2.0	107.8	0	0	0	
2002-Dec-19	8:19	322	8.31	2.0	108.8	0	0	0	CONSERVATION DIVISION
2002-Dec-19	8:20	326	8.31	2.0	109.8	0	0	0	WICHITA, KS
2002-Dec-19	8:20	1026	8.31	0.0	110.2	0	0	0	
2002-Dec-19	8:21	1021	8.31	0.0	110.2	0	0	0	
2002-Dec-19	8:21								Bump Top Plug
2002-Dec-19	8:21	1020	8.31	0.0	110.2	0	0	0	
2002-Dec-19	8:21								Reset Total, Vol = 110.19 bbl
2002-Dec-19	8:21	1019	8.31	0.0	110.2	0	0	0	
2002-Dec-19	8:21	1007	8.31	0.0	0.0	0	0	0	
2002-Dec-19	8:21								Float Holding
2002-Dec-19	8:21	-5	8.31	0.0	0.0	0	0	0	
2002-Dec-19	8:22	-4	8.31	0.0	0.0	0	0	0	
2002-Dec-19	8:22								Stopped Acquisition

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Well AHEARN #4		Service Date 02353-Dec-19		Customer ANADARKO PETROLEUM CORPORATION		Job Number 2205541435	
Date	Time 24 hr clock	Treating Pressure psi	Density lb/gal	Rate bbl/min	Volume bbl	0	0
Post Job Summary							
Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4			7	244		10	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	FreshWater	Volume	Density
1020	350	200	350			bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	(50) bbl
%	244 bbl		110 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> Circulation Lost		
Bartel, Steve			Ousley, John		<input checked="" type="checkbox"/> Job Completed		

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CONSERVATION DIVISION
WICHITA, KS

Schlumberger **CONFIDENTIAL** Cementing Service Report

ORIGINAL

Customer ANADARKO PETROLEUM CORP						Job Number 2205541430			
Well AHEARN A-4			Location (legal) KCC			Schlumberger Location Perryton, TX		Job Start 2002-Dec-30	
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD		
				JAN 23 2003 0	7 in	6,500 ft	6,500 ft		
County GRANT		State/Province KANSAS		BHP 0	BHST 140 °F	BHCT 135 °F	Pore Press. Gradient psi/ft		
Well Master: 0630465455		API / UWI:		Casing/Liner					
Rig Name MURFIN 25	Drilled For Oil & Gas	Service Via		Depth, ft 5700	Size, in 5.5	Weight, lb/ft 15.5	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe					
Drilling Fluid Type		Max. Density lb/gal	Plastic Vt: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing	Job Type Cem Prod Casing		Perforations/Open Hole						
Max. Allowed Tubing Pressure psi	Max. Allowed Ann. Pressure psi	WellHead Connection 5 1/2 HS&M		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions CEMENT 5 1/2 IN PROD CASING W: LEAD: 25 SKS 50:50 POZ + 2%D20 + 10%D44+0.2%D46+0.25PPS D029 TAIL : 200 SKS 50:50 POZ + 2%D20 + 10%D44+0.2%D46+0.25PPS D029								Diameter in	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 695 psi				Shoe Type: Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: 5700 ft		Tool Type:	
No. Centralizers: 20		Top Plugs: 1	Bottom Plugs:		Stage Tool Type:		Tool Depth: ft		
Cement Head Type: Single				Stage Tool Depth: ft		Tail Pipe Size: in			
Job Scheduled For:		Arrived on Location:		Leave Location:		Collar Type: Float		Tail Pipe Depth: ft	
						Collar Depth: 5655 ft		Sqz Total Vol: bbbl	
Date	Time	Treating Pressure psi	CMT RATE bbl/min	CMT VOL bbl	CMT DISP VOL bbl	0	0	0	Message
2002-Dec-30	15:45	-5	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:46	-5	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:46	0	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:47	-5	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:47	0	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:48	-5	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:48	-5	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:49	0	0.0	0.0	0.0	0	0	0	
2002-Dec-30	15:49	37	2.6	0.8	0.0	0	0	0	
2002-Dec-30	15:50	23	2.7	2.2	0.0	0	0	0	
2002-Dec-30	15:50	-14	0.0	3.0	0.0	0	0	0	
2002-Dec-30	15:51	-5	0.0	3.0	0.0	0	0	0	
2002-Dec-30	15:51	-5	0.0	3.0	0.0	0	0	0	
2002-Dec-30	15:52	0	0.0	3.0	0.0	0	0	0	
2002-Dec-30	15:52	41	0.5	3.0	0.0	0	0	0	
2002-Dec-30	15:53	69	2.7	4.3	0.0	0	0	0	
2002-Dec-30	15:53	9	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:54	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:54	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:55	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:55	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:56	0	0.0	5.1	0.0	0	0	0	

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WICHITA, KS**

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Well		Field		Service Date		Customer		Job Number	
AHEARN #A-4				02384-Dec-30		ANADARKO PETROLEUM CORP		2205541430	
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DISP VOL	0	0	0	Message
	24 hr clock	psi	bbbl/min	bbbl	bbbl	0	0	0	
2002-Dec-30	15:56	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:57	-5	0.0	5.1	0.0	0	0	0	KCC
2002-Dec-30	15:57	0	0.0	5.1	0.0	0	0	0	JAN 23 2003
2002-Dec-30	15:58	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:58	0	0.0	5.1	0.0	0	0	0	CONFIDENTIAL
2002-Dec-30	15:59	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	15:59	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:00	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:00	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:01	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:01	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:02	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:02								Start Job
2002-Dec-30	16:02	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:02	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:03	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:03	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:04								Reset Total, Vol = 5.09 bbl
2002-Dec-30	16:04	0	0.0	5.1	0.0	0	0	0	
2002-Dec-30	16:04	60	3.0	0.1	0.0	0	0	0	
2002-Dec-30	16:04	398	5.7	2.6	0.0	0	0	0	
2002-Dec-30	16:05	325	5.7	5.5	0.0	0	0	0	
2002-Dec-30	16:05								Start Mixing Scav Slurry
2002-Dec-30	16:05	311	5.7	6.5	0.0	0	0	0	
2002-Dec-30	16:05	302	5.7	8.3	0.0	0	0	0	
2002-Dec-30	16:06	293	5.7	11.2	0.0	0	0	0	
2002-Dec-30	16:06	293	5.7	14.0	0.0	0	0	0	
2002-Dec-30	16:07	288	5.7	16.9	0.0	0	0	0	RELEASED
2002-Dec-30	16:07	275	5.7	19.7	0.0	0	0	0	FROM
2002-Dec-30	16:08	252	5.7	22.6	0.0	0	0	0	CONFIDENTIAL
2002-Dec-30	16:08	252	5.7	25.5	0.0	0	0	0	
2002-Dec-30	16:09	238	5.7	28.3	0.0	0	0	0	
2002-Dec-30	16:09	229	5.7	31.2	0.0	0	0	0	
2002-Dec-30	16:10	215	5.7	34.0	0.0	0	0	0	
2002-Dec-30	16:10	206	5.7	36.9	0.0	0	0	0	
2002-Dec-30	16:11								End Scavenger Slurry
2002-Dec-30	16:11	192	5.7	39.4	0.0	0	0	0	
2002-Dec-30	16:11	197	5.7	39.5	0.0	0	0	0	
2002-Dec-30	16:11								Start Mixing Tail Slurry
2002-Dec-30	16:11	197	5.7	39.7	0.0	0	0	0	
2002-Dec-30	16:11	201	5.7	42.6	0.0	0	0	0	
2002-Dec-30	16:12	41	4.2	45.5	0.0	0	0	0	
2002-Dec-30	16:12	69	3.9	47.4	0.0	0	0	0	
2002-Dec-30	16:13	37	3.9	49.3	0.0	0	0	0	
2002-Dec-30	16:13	46	3.9	51.2	0.0	0	0	0	RECEIVED
2002-Dec-30	16:14	55	3.9	53.2	0.0	0	0	0	KANSAS CORPORATION COMMISSION
2002-Dec-30	16:14	-3708	0.0	54.9	0.0	0	0	0	
2002-Dec-30	16:15	69	3.9	56.4	0.0	0	0	0	JAN 27 2003
2002-Dec-30	16:15	82	3.9	58.1	0.0	0	0	0	
2002-Dec-30	16:16	78	3.9	59.9	0.0	0	0	0	
2002-Dec-30	16:16	96	3.9	61.9	0.0	0	0	0	CONSERVATION DIVISION
2002-Dec-30	16:17	87	3.9	63.5	0.0	0	0	0	WICHITA, KS
2002-Dec-30	16:17	82	3.9	65.4	0.0	0	0	0	
2002-Dec-30	16:18	46	3.9	67.1	0.0	0	0	0	

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Well		Field				Service Date		Customer		Job Number	
AHEARN #A-4						02364-Dec-30		ANADARKO PETROLEUM CORP		2205541430	
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DISP VOL	0	0	0	Message		
	24 hr clock	psi	bbl/min	bbl	bbl	0	0	0			
2002-Dec-30	16:18	46	3.9	68.9	0.0	0	0	0			
2002-Dec-30	16:19	-3708	0.0	70.8	0.0	0	0	0	KCC		
2002-Dec-30	16:19	46	3.9	72.4	0.0	0	0	0	JAN 23 2003		
2002-Dec-30	16:20	46	3.9	74.0	0.0	0	0	0	CONFIDENTIAL		
2002-Dec-30	16:20	46	3.9	76.0	0.0	0	0	0			
2002-Dec-30	16:21	-3708	0.0	77.8	0.0	0	0	0			
2002-Dec-30	16:21	41	3.9	79.6	0.0	0	0	0			
2002-Dec-30	16:22								End Tail Slurry		
2002-Dec-30	16:22	-5	0.0	80.6	0.0	0	0	0			
2002-Dec-30	16:30	37	5.2	80.8	0.0	0	0	0			
2002-Dec-30	16:30								Drop Top Plug		
2002-Dec-30	16:30								Start Displacement		
2002-Dec-30	16:30	60	5.2	80.9	0.0	0	0	0			
2002-Dec-30	16:30	55	5.1	81.0	0.1	0	0	0			
2002-Dec-30	16:30	73	5.2	83.6	11.1	0	0	0			
2002-Dec-30	16:31	64	5.2	86.1	13.6	0	0	0			
2002-Dec-30	16:31	82	5.2	88.6	16.2	0	0	0			
2002-Dec-30	16:32	82	5.1	91.0	18.5	0	0	0			
2002-Dec-30	16:32	73	5.1	93.5	21.0	0	0	0			
2002-Dec-30	16:33	23	5.2	96.0	23.5	0	0	0			
2002-Dec-30	16:33	41	5.1	98.5	26.0	0	0	0			
2002-Dec-30	16:34	37	5.2	100.9	28.6	0	0	0			
2002-Dec-30	16:34	41	5.1	103.5	31.1	0	0	0			
2002-Dec-30	16:35	50	5.2	106.1	33.7	0	0	0			
2002-Dec-30	16:35	87	5.2	108.7	36.3	0	0	0			
2002-Dec-30	16:36	87	5.2	111.3	38.8	0	0	0			
2002-Dec-30	16:36	60	5.1	113.9	41.4	0	0	0			
2002-Dec-30	16:37	46	5.2	116.4	44.0	0	0	0			
2002-Dec-30	16:37	64	5.1	119.0	46.6	0	0	0			
2002-Dec-30	16:38	46	5.2	121.6	49.2	0	0	0			
2002-Dec-30	16:38	50	5.2	124.2	51.8	0	0	0			
2002-Dec-30	16:39	46	5.2	126.9	54.4	0	0	0			
2002-Dec-30	16:39	50	5.2	129.5	57.0	0	0	0			
2002-Dec-30	16:40	78	5.2	132.0	59.6	0	0	0			
2002-Dec-30	16:40	206	5.2	134.6	62.2	0	0	0			
2002-Dec-30	16:41	46	5.2	137.2	64.8	0	0	0	RELEASED		
2002-Dec-30	16:41	188	5.2	139.8	67.3	0	0	0	FROM		
2002-Dec-30	16:42	-5	5.2	142.4	69.9	0	0	0	CONFIDENTIAL		
2002-Dec-30	16:42	192	5.2	144.9	72.5	0	0	0			
2002-Dec-30	16:43	64	5.2	147.5	75.1	0	0	0			
2002-Dec-30	16:43	188	5.2	150.1	77.7	0	0	0			
2002-Dec-30	16:44	298	5.2	152.7	80.3	0	0	0			
2002-Dec-30	16:44	224	5.1	155.3	82.8	0	0	0			
2002-Dec-30	16:45	737	5.2	157.9	85.4	0	0	0			
2002-Dec-30	16:45	5	2.7	160.2	87.8	0	0	0			
2002-Dec-30	16:46	169	3.9	162.2	89.8	0	0	0	RECEIVED		
2002-Dec-30	16:46	50	3.9	164.2	91.7	0	0	0	KANSAS CORPORATION COMMISSION		
2002-Dec-30	16:47	142	3.9	166.1	93.7	0	0	0			
2002-Dec-30	16:47	398	3.9	168.1	95.7	0	0	0	JAN 27 2003		
2002-Dec-30	16:48	224	3.9	170.0	97.6	0	0	0			
2002-Dec-30	16:48	201	3.9	172.0	99.6	0	0	0	CONSERVATION DIVISION		
2002-Dec-30	16:49	261	3.9	174.0	101.6	0	0	0	WICHITA, KS		
2002-Dec-30	16:49	270	3.9	175.9	103.5	0	0	0			
2002-Dec-30	16:50	69	3.9	177.9	105.5	0	0	0			

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Well		Field				Service Date		Customer		Job Number	
AHEARN #A-4						02364-Dec-30		ANADARKO PETROLEUM CORP		2205541430	
Date	Time	Treating Pressure	CMT RATE	CMT VOL	CMT DISP VOL	0	0	0	Message		
	24 hr clock	psi	bbl/min	bbl	bbl	0	0	0			
2002-Dec-30	16:50	298	3.9	179.9	107.5	0	0	0			
2002-Dec-30	16:51	229	3.9	181.9	109.5	0	0	0			
2002-Dec-30	16:51	293	2.7	183.5	111.1	0	0	0	KCC		
2002-Dec-30	16:52	247	2.5	185.0	112.6	0	0	0	JAN 23 2003		
2002-Dec-30	16:52	252	2.5	186.3	113.9	0	0	0	CONFIDENTIAL		
2002-Dec-30	16:53	275	2.5	187.5	115.1	0	0	0			
2002-Dec-30	16:53	330	2.5	188.7	111.0	0	0	0			
2002-Dec-30	16:54	366	2.5	190.0	112.2	0	0	0			
2002-Dec-30	16:54	357	2.5	191.2	113.5	0	0	0			
2002-Dec-30	16:55	407	2.5	192.5	114.7	0	0	0			
2002-Dec-30	16:55	485	2.5	193.7	115.9	0	0	0			
2002-Dec-30	16:56	435	2.5	194.9	117.2	0	0	0			
2002-Dec-30	16:56	417	2.5	196.2	118.4	0	0	0			
2002-Dec-30	16:57	430	2.5	197.4	119.7	0	0	0			
2002-Dec-30	16:57	449	2.5	198.6	120.9	0	0	0			
2002-Dec-30	16:58	462	2.5	199.9	122.1	0	0	0			
2002-Dec-30	16:58	494	2.5	201.1	123.4	0	0	0			
2002-Dec-30	16:59	577	2.5	202.4	124.6	0	0	0			
2002-Dec-30	16:59	668	2.5	203.6	125.8	0	0	0			
2002-Dec-30	17:00	700	2.5	204.8	127.1	0	0	0	RELEASED		
2002-Dec-30	17:00	723	2.5	206.1	128.3	0	0	0	FROM		
2002-Dec-30	17:01	645	2.5	207.3	129.6	0	0	0	CONFIDENTIAL		
2002-Dec-30	17:01	664	2.5	208.6	130.8	0	0	0			
2002-Dec-30	17:02	673	2.5	209.8	132.1	0	0	0			
2002-Dec-30	17:02	1108	0.3	211.0	133.3	0	0	0			
2002-Dec-30	17:03	1547	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:03	1552	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:04	1552	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:04	1556	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:05	1295	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:05	5	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:05								Bump Top Plug		
2002-Dec-30	17:05	5	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:05								End Displacement		
2002-Dec-30	17:05	5	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:05	5	0.0	211.2	133.5	0	0	0			
2002-Dec-30	17:05								End Job		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.5			6	71		5	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
			1552				
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To ft	
%		74 bbl		133.5 bbl	°F		
Customer or Authorized Representative				Schlumberger Supervisor			
BARTELL, STEVE				Iglehart, Charles		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	

RECEIVED

KANSAS CORPORATION COMMISSION

JAN 27 2003