

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICE

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2-3-97 2-16-97 2-21-97
Spud Date Date Reached TD Completion Date

API No. 15- 081-21093-0000

County HASKELL

NE - NE - SE Sec. 33 Twp. 29 Rge. 34 X W

2310 Feet from X(circle one) Line of Section

330 Feet from E(circle one) Line of Section

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

Lease Name ADAMS "L" Well # 2

Field Name EUBANK

Producing Formation MORROW

Elevation: Ground 2972.1 KB _____

Total Depth 5700 PBSD 5490

Amount of Surface Pipe Set and Cemented at 1820 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3138 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 6-30-97
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

Operator Name 5-7-97

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. _____

County _____ Docket No. _____

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MAY 11 1997
E/W

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
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 5-5-97

Subscribed and sworn to before me this 5th day of May
19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appl. Expires 5-15-99

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)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name ADAMS "L" Well # 2

Sec. 33 Twp. 29 Rge. 34 East West County HASKELL

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: SBT-CCL-GR, DIL, ML, CNL-LDT, SONIC, NGR.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
B/STONE CORRAL	1821	
CHASE	2536	
COUNCIL GROVE	2866	
HEEBNER	3989	
LANSING A	4085	
KANSAS CITY A	4541	
MARMATON A	4726	
MORROW	5207	
CHESTER	5354	
ST. LOUIS	5478	

CASING RECORD

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	23.0	1820	P+ MIDCON 2/ P+	400/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5541	VERSASET	130	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC.
			F.O. TOOL Ø	3138	P+ MIDCON 2	60	2%CC, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	5266-5296.		NONE

TUBING RECORD	Size 2 3/8	Set At 5266	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SMD or Inj. 3-9-97	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		7710			

Disposition of Gas: METHOD OF COMPLETION Production Interval

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

5266-5296

ORIGINAL

15-081-21093

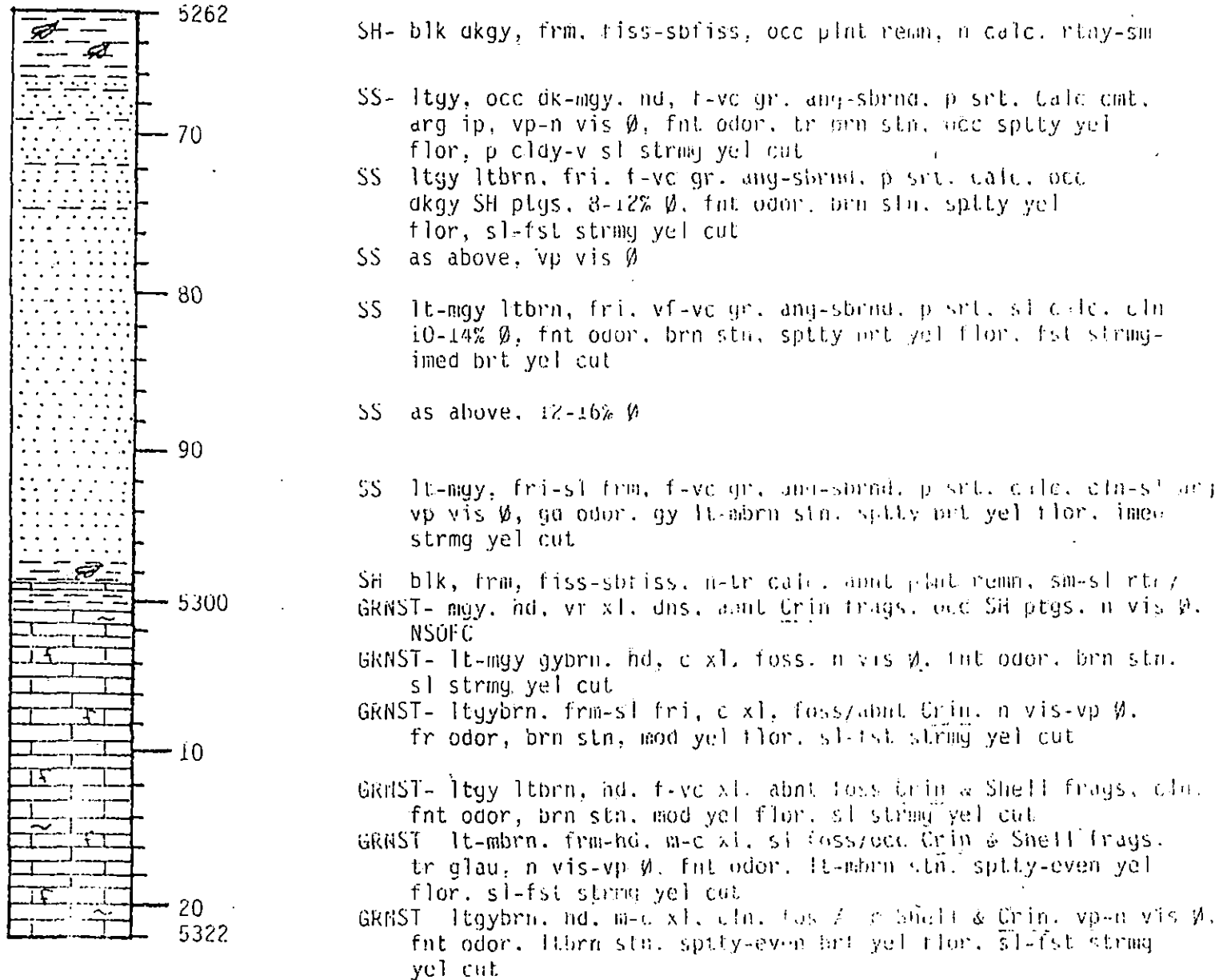
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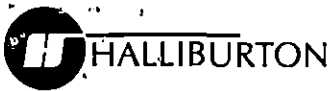
1997 MAY -7 P 12: 12

ADAMS L-2

CORE #1: 5262-5322' (Cut. 60'- 100% Recovery)

~~15-081-21093~~
WF





JOB SUMMARY

HALLIBURTON DIVISION

MID CONTINENT

HALLIBURTON LOCATION

LIBERAL KS.

BILLED ON TICKET NO.

185426

FIELD Eu BANK SEC. 33 TWP. 29S RNG. 34W COUNTY WASKELL STATE Ks.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	23	8 5/8	GL	1820	1834
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	1820	SHOTS/FT.
PERFORATIONS			ORIGINAL			
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-5-97	DATE 2-5-97	DATE 2-5-97	DATE 2-5-97
TIME 1245	TIME 1500	TIME 1940	TIME 2100

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
INSERT	1	H
GUIDE SHOE REGULAR	1	O
CENTRALIZERS S-4	4	
BOTTOM PLUG		W
TOP PLUG		
HEAD S.W. "HAWK WELD" 1/2 LB	1	C
PACKER		
OTHER		O

NAME	UNIT NO. & TYPE	LOCATION
T. BROADFOOT	420044	LIBERAL KS.
S. GRANT	53554	HUGOTON KS.
C. ASHLEY	51984	"
B. MCINTIRE	50866	"
	7649	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 8 5/8 SURFACE CSG.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Steve Ridonon

HALLIBURTON OPERATOR J. Broadfoot COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	400	MICCON PREM PLUS		B	3% C.C. - 1/4 #/SK #LOCELE	3.22	11.1
1	100	PREM PLUS		B	2% C.C. - 1/4 #/SK #LOCELE	1.32	14.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 45 REASON SAOE JT

SUMMARY

PRESLUSH BBL-GAL. NONE TYPE _____

LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

TREATMENT: BBL-GAL. _____ DISPL BBL-GAL. 114.5

CEMENT SLURRY BBL-GAL. 229-23.5

TOTAL VOLUME: BBL-GAL. _____

REMARKS

M.S. AS ON HOCT.
35 BBL CMT PIT - 61 SKS

CUSTOMER ANADARKO PETR. CORP.

LEASE ADAMS

WELL NO. H-2

JOB TYPE 8 5/8 SURFACE CSG

DATE 2-5-97

JOB LOG HAL-2013-C

CUSTOMER **WADARKO PETR. CORP.** WELL NO. **L-2** LEASE **ADAMS** JOB TYPE **8 5/8 SURFACE CSG.** TICKET NO. **185426**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1245							CALLED OUT - READY NOW
	1500							ON LOCT. - DRILLING
								ORIGINAL " WATER ON LOCT CHECKED AND 7000MPL CHLORIDES - USED FOR DISPLACEMENT ONLY - "
	1745							START CSG IN HOLE
	1845							Hook up CMT HEAD
	1900							CIRCULATION TO PIT - SAFETY MEETING
	1940							Hook up CMT LINE
	1943					3200		PRESSURE TEST -
	1952	6	229				230	START LEAD CMT 11.1 #/GAL
	2030	6	23.5				210	START TRAIL CMT 14.8 #/GAL
	2034	0	0				0	SHUT OFF DROP PLUG.
	2036	6	104				440	START DISPLACEMENT CHLORIDE WATER -
	2055	2	10.5				440	SLOW RATE 11 1/4 BBL TOTAL
	2100	-	-				700	PLUG LANDED -
	1930							WATER ON LOCT PREH
								RECEIVED ANIS CORP 1997 FEB 17 12:12
								<div style="display: flex; align-items: center; justify-content: center;"> <p> THANKS FOR CALLING HALLIBURTON ENERGY SERVICES LIBERAL O.K.S. HAVE A GOOD DAY SAM BROADFOOT - GRANT - ASHLEY - MCINTYRE </p> </div>
								THIS IS ON LOCT. 35 BBL CMT PIT 61-SKS

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
ANADARKO	L-2	ADAMS	5 1/2 L.S.	185219

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:30							CALLED OUT READY 12:00
	13:00							ON LOCATION Rig UNLOADING CASING
	14:00							START CSg
	15:00							INSTALL P.C. @ 3138' JT # 55
	16:30							CASING ON BOTTOM
	16:40							HOOK UP Circulate w/Rig
	17:00							SAFETY MEETING
	17:35	2	4				20	Plug Rate Hole ORIGINAL
	17:30	2	2				20	Plug Mouse Hole
	17:40							HOOK TO CASING
	17:43	3.7	26				200	START PREFINING 2 ⁰ H ₂ O, 10 ⁰ SUPER FINE SH 14 ⁵⁰
	17:50	4.7	33				200	START CMT @ 14.5 #/GAL
	17:57							VAC SHUT DOWN
	17:58							VAC DROP 5 WIPER Top Plug, WASH TO PIT
	18:03	6.3	181.1					VAC START H ₂ O Displacement
	18:20	2	10				350	Slow Rate
	18:27						450	Plug Down
	18:28						1,000	RELEASE BACK FLOAT HOLDING
	18:29						0-	Job Complete

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THANK YOU FOR CALLING
 HALLIBURTON
 ROBERT, SONNY, BYRON

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Haskell STATE K5

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE Port Collar SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING	<u>N</u>	<u>4.6</u>	<u>2 7/8</u>	<u>CEL</u>	<u>3138</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-19-97</u>	DATE <u>2-19-97</u>	DATE <u>2-19-97</u>	DATE _____
TIME <u>1100</u>	TIME <u>1200</u>	TIME _____	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. M. King</u>		<u>L. G. 1</u>
<u>J. Woodrow</u>		<u>"</u>
<u>S. Grant</u>		<u>Haskell</u>

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 12:12

DEPARTMENT Cement
 DESCRIPTION OF JOB Cement Port Collar

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Steve Kidenour

HALLIBURTON OPERATOR D. King COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	WIXED LBS./GAL.
	<u>50</u>	<u>Port Collar</u>	<u>2 7/8</u>	<u>2</u>	<u>2 1/2 CC 1/4" size</u>	<u>32</u>	<u>11.1</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISP. BBL.-GAL. _____
 CEMENT SLURRY: BBL.-GAL. 341
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

FIELD OFFICE

CUSTOMER Adamsco. Petroleum Corp
 LEASE Adams S. Co.
 WELL NO. L-2
 JOB TYPE Cement Port Collar
 DATE 5-1



JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
A.P.C		L-2		Adams		re cement		185321	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1300							Job Ready	
	1100							Called for Job	
	1200							on loc Rig running in tubing set up PT	
	1215							Bulk Cmt on loc	
	1300							trip of tool up to FO Tool	
								hook up to tubing & Csg	
				✓	✓	2000	2000	Start Pumping Pressure test H ₂ O & Csg 2500 PSI	
								open FO Tool	
	1409	3.5		✓		600		Take injection rate & est. Cir	
	1420	3.5	37	✓		600		start mixing 60 SKS @ 71.1	
	1427	3.5	34	✓		600		through mixing. Cement shut down	
	1428	3.5	11.5	✓		450/150		start Displacement	
	1431		11.5			0		Shut Down leave 1/2 Bbl in tubing	
	1434							Close FO tool	
	1435	0	0	✓		1500		Pressure test 1500 PSI	
	1441							Run in one stand of 2 1/8 tubing	
	1445	3.5				0/450		Reverse out	
	1456		20					Shut Down Cir 1 1/2 Bbl Cmt out	
								Job Done	

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Thank You
Denny & Woody