

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: TO BE DETERMINED

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING, INC.

License: 3779

Wellsite Geologist: NA

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.

Gas  ENHR  SIGW

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

If Workover:

Operator: CONFIDENTIAL

Well Name: CONFIDENTIAL

Comp. Date                      Old Total Depth                     

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB

Commingled  Docket No.                     

Dual Completion  Docket No.                     

Other (SWD or Inj?)  Docket No.                     

9/7/94 9/10/94 10/12/94  
Spud Date Date Reached TD Completion Date

API NO. 15-                      129-21,336-0900

County MORTON

NE - NE - NW - SW Sec. 15 Twp. 32S Rge. 41 X W

2500 Feet from (S)X (circle one) Line of Section

1250 Feet from X(W) (circle one) Line of Section

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

Lease Name MURPHY "A" Well # 3

Field Name HUGOTON

Producing Formation WINFIELD

Elevation: Ground 3368.6 KB --

Total Depth 2415 PBTB 2374

Amount of Surface Pipe Set and Cemented at 782 Feet

Multiple Stage Cementing Collar Used?                      Yes  No

If yes, show depth set                      Feet

If Alternate II completion, cement circulated from                     

feet depth to                      w/                      sx cmt.

Drilling Fluid Management Plan ALT I 12-18-95 JK  
(Data must be collected from the Reserve Pit)

Chloride content 103,666 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:                     

Operator Name                      **RELEASED**

Lease Name                      License No.                     

                     Quarter Sec.                      Twp. N 11 Rng. 3 E/W

County                      Docket No.                     

**FROM CONFIDENTIAL**

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

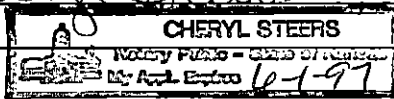
Signature Leslie I. Barnes

Title SR. TECHNICAL ASSISTANT Date 12/12/94

Subscribed and sworn to before me this 12 day of December, 1994.

Notary Public Cheryl Steers

Date Commission Expires                     



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)

Form ACO-1 (7-91)

RECEIVED  
STATE CORPORATION COMMISSION

DEC 15 1994

CONSERVATION DIVISION  
WICHITA, KANSAS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MURPHY "A" Well # 3

Sec. 15 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  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:

Name	Top	Datum
B. CIMARRON	1470	
KRIDER SANDSTONE	2122	
KRIDER LIMESTONE	2146	
WINFIELD	2170	
TOWANDA	2260	
FORT RILEY	2324	

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	24	1782	75/25 POZMIX/ COMMON	360/150	2%CC, 1/4#SX FLOC/ 2%CC, 1/4#SX FLOC
PRODUCTION	7 7/8	5 1/2	15.5	2414	CLASS "C" CLASS "C"	210/40	20%DCD, 2%CC, 1/4# SX FLOCELE/ 10%DCD, 2%CC, 1/4# SX FLOCELE

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	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	Top Bottom			

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	2170-2174	NA	
4	2174-2178		

TUBING RECORD		Size NA	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. SI WO PIPELINE		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil -- Bbls.	Gas 734 Mcf	Water NA 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 2170-2178  
 Production Interval:  Other (Specify) \_\_\_\_\_

ORIGINAL

NORSEMAN DRILLING, INC.  
WICHITA, KANSAS  
DRILLERS' WELL LOG

CONFIDENTIAL

WELL NAME: MURPHY A-3  
SECTION 15-32S-41W  
MORTON COUNTY, KANSAS

COMMENCED: SEPTEMBER 6, 1994

COMPLETED: SEPTEMBER 10, 1994

API#15-129-21336

OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth From	To	Formation	Remarks
0	1119	Sand & Redbed	Ran 19 jts of 24#
1120	1200	Glorietta Sand	8 5/8" csg set @
1201	2415	Redbed & Shale	782'; w/360 SX of 75/25 pozmix; 2% CC; 1/4# SX Flocele; Tailed w/150 SX Common; 3% CC; 1/4# sx Flocele; Plug down at 4:45 a.m. on 09/08/94.

RELEASED

JAN 11 1996

FROM CONFIDENTIAL

Ran 56 jts 5 1/2" 15.5#, Set @ 2414'; w/210 SX Class C; 20% Diacel D; 2% CC; 1/4# SX Flocele; Tailed w/40 SX Class C; 10% Diacel D; 2% CC; 1/4# SX Flocele; Plug down at 12:00 p.m., on 09/10/94

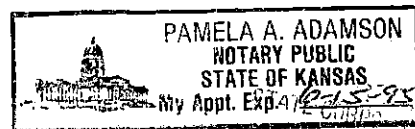
STATE OF KANSAS )I, the undersigned, being duly sworn on  
)oath, state that the above Drillers' Well  
)Log is true and correct to the best of my  
)knowledge and belief and according to the  
COUNTY OF SEDGWICK )records of this office.

NORSEMAN DRILLING, INC.

*James P. Reilly*  
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

September 13, 1994



My Appointment Expires:

June 15, 1995

DEC 15 1994

*Pamela A. Adamson*  
Pamela A. Adamson, Notary Public  
340 Seville  
Wichita, KS 67209

CONSERVATION DIVISION  
WICHITA, KANSAS

**JOB LOG** HALL-2013-C

 CUSTOMER **ANADARKO Petroleum Corp** WELL NO. **A-3** LEASE **MURPHY** JOB TYPE **5 1/2" LONG STRING** TICKET NO. **635112**

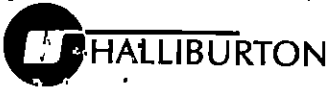
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	01630							CALLED OUT READY 2030
	1930							ON HOCT L.D.D.-P.
	2100							PULLING BLOW OUT PREVENTER
	2140							PUTTING HEAD ON CSG. 8 5/8"
	2241							START RUNNING 5 1/2" CSG.
	2245							HOOK UP CMT HEAD TO CIRCULATE
	2255							CIRCULATION TO PIT - SAFETY MEETING
	2257	5	10					HOOK UP TO CMT LINE TO TRUCK
	2259	5	30					START 2% KCL SPACER
	2305	5	10					START MUD FLUSH
	2307	5.6	100.6					START 2% KCL SPACER
	2325	3.7	14.8					START LEAD CMT. 12" / GAL
	2329	0	-					START TAIL CMT 14" / GAL
	2333	5	45					SHUT DOWN CLEAN LINES - DROP PLUG
	2342	2	56.6					START DISPLACEMENT H2O
	2347							SLOW RATE DOWN 55.6 TOTAL BBL
	2350							PLUG LANDED - FLOAT HELD
								Job OVER
								THANK FOR CALLING
								HALLIBURTON ENERGY SERVICES
								LIBERAL KS.
								BROADFOOT - MARTINEZ - BOOTH - MCINTYRE

CONFIDENTIAL

 RECEIVED  
 STATE CORPORATION COMMISSION

DEC 15 1994

 COMMISSION  
 WICHITA, KANSAS



**JOB SUMMARY**

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

MIA CONTINENTAL AREA  
**LIBERAL KS.**

BILLED ON TICKET NO. **635112**

WELL DATA  
FIELD **HUGOTON** SEC. **15** TWP. **32 S** RING. **41 W** COUNTY **MORTON** 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	15.5	5 1/2	GL.	2314	
CASING	W	24	8 5/8	GL.	795	
TUBING						
OPEN HOLE			7 7/8	795	2415	SHOTS/FT.
PERFORATIONS			ORIGINAL			
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <b>9-10-94</b>	DATE <b>9-10-94</b>	DATE <b>9-10-94</b>	DATE <b>9-10-94</b>
TIME <b>1630</b>	TIME <b>1930</b>	TIME <b>2300</b>	TIME <b>2350</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
INSERT <b>5 1/2</b>	<b>1</b>	<b>H</b>
FILLUP	<b>1</b>	
REGULAR	<b>1 1/4</b>	<b>D</b>
S-4	<b>1 1/2</b>	<b>W</b>
S-4	<b>1</b>	<b>C</b>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<b>T. BROADFOOT</b>	<b>38242</b>	<b>LIBERAL KS.</b>
<b>R. MARTINEZ</b>	<b>52947</b>	<b>HUGOTON KS.</b>
<b>G. MCINTYRE</b>	<b>3626</b>	<b>HUGOTON KS.</b>
<b>J. BOOTH</b>	<b>50737</b>	<b>"</b>

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. **RELEASED**  
ACID TYPE \_\_\_\_\_ GAL. **JAN 1 1996**  
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. IN  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT **CEMENT**  
DESCRIPTION OF JOB **CEMENT 5 1/2 LONG STRING**  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
CUSTOMER REPRESENTATIVE **John Shree**  
HALLIBURTON OPERATOR **Jim Broadfoot** COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<b>1</b>	<b>210</b>	<b>PREM PLUS</b>		<b>-B</b>	<b>20% DIACEL D-22 C.C. - 1/4" SK FLOCELE</b>	<b>2.169</b>	<b>12</b>
<b>1</b>	<b>40</b>	<b>PREM PLUS</b>		<b>-B</b>	<b>10% DIACEL D-22 C.C. - 1/4" SK FLOCELE</b>	<b>2.09</b>	<b>13</b>

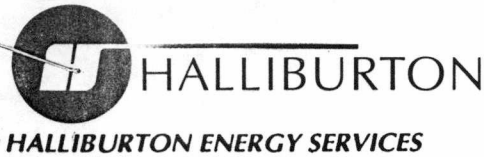
**PRESSURES IN PSI**

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 **44.50** REASON **SHOE JT.**

**SUMMARY**

VOLUMES **2% KCL - 2% KCL MUD FLUSH**  
PRESLURRY: BBL-GAL. **10-30-10** TYPE \_\_\_\_\_  
LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. **56.6**  
TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL BBL-GAL. **56.6**  
CEMENT SLURRY: BBL-GAL. **180.6 - 14.8**  
TOTAL VOLUME: BBL-GAL. \_\_\_\_\_  
REMARKS **15 BBL PIT 31 SKS**

CUSTOMER **AMARCO PETROLEUM CORP.** LEASE **MURPHY** WELL NO. **A-3** JOB TYPE **5 1/2 LONG STRING** DATE **9-10-94**



CHARGE TO: **AMADARKO PETROLEUM CORP.**  
 ADDRESS: **P.O. Box 351**  
 CITY, STATE, ZIP CODE: **LIBERTAS KS. 67903-0351**

COPY \_\_\_\_\_  
 No. **635112 - 5**  
 TICKET **WP**  
 PAGE **1** OF **2**

FORM 1906 R-13

SERVICE LOCATIONS 1. <b>LIBERTAS 612347</b>	WELL/PROJECT NO. <b>A-3</b>	LEASE <b>MURPHY</b>	COUNTY/PARISH <b>MORTON</b>	STATE <b>KS.</b>	CITY/OFFSHORE LOCATION	DATE <b>9-10-74</b>	OWNER <b>SAE</b>
2. <b>AUGUST 1 1974</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>NORSEMAN DRLO</b>	RIG NAME/NO. <b>NORSEMAN 2#</b>	SHIPPED VIA <b>Pub</b>	DELIVERED TO <b>LIBERTAS E/RICHFIELD</b>	ORDER NO.
3.	WELL TYPE <b>C</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO.	WELL LOCATION <b>13-325-41W</b>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	56	1	UNIT		275	154 -
001-016					PUMP CHARGE	24	24	HR			1375 -
030-016					5W T.P. PLUG	5 1/2	1	EA			60 -
124	820.205				REGULAR GUIDE SHOE	11	11	" "			121 -
24A	812.11251				INSERT FLAT	11	11	" "			110 -
27	815.17311				FILLUP TUBE	"	"	" "			55 -
40	806.62222				CENTRALIZERS	"	"	14 EA		441 -	6161 -
018 313					MUD FLUSH	per	5AL	1260 GAL		65	819 -
3M-163					CLA Fix II	per	1AL	2 GAL		24 -	48 -

RELEASED  
 JAN 1 1976  
 FROM CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: **X**

DATE SIGNED: **9-11-74** TIME SIGNED: **2:40 PM**

A.M.  P.M.

do  do not require IPC (Instrument Protection).  Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	<b>PAGE TOTAL</b>	<b>33781 -</b>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	/			<b>FROM CONTINUATION PAGE(S)</b>		
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	/				<b>SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE</b>	<b>9140 105</b>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	/					
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	/					
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
<b>X</b>		<b>Don B...</b>	<b>4404</b>	

HALLIBURTON

TICKET CONTINUATION

FIELD COPY

TICKET No. 23-112

DC 42

HALLIBURTON ENERGY SERVICES

CUSTOMER <b>APC</b>	WELL <b>Murphy</b>	DATE <b>9-10-94</b>	PAGE <b>2</b>	OF <b>2</b>
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT						
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M									
504-050	516.00265				Premium Plus Cement	250	sk			10	62	2655	00					
507-210	890.50071				Flocele	64	LB			1	65	86	40					
509-406	890.50812				Calcium Chloride	4	sk			36	75	147	00					
500-959	70.15524				Diacel D	4300	LB				42	1806	00					
<p>ORIGINAL</p> <p>RELEASED</p> <p>JAN 11 1996</p> <p>FROM CONFIDENTIAL</p> <p>CONFIDENTIAL</p>																		
500-207					SERVICE CHARGE					CUBIC FEET	515	1	35	695	25			
500-306					MILEAGE CHARGE					TOTAL WEIGHT	28,184	LOADED MILES	28	TON MILES	392	95	372	40

No. B 262853

CONTINUATION TOTAL

5762.05

**JOB LOG** FGRM 2013 R-4

 CUSTOMER Anadarko WELL NO. A-3 LEASE Murphy JOB TYPE Surface TICKET NO. 634967

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							called out Ready 0200
	0120							On Location
	0320							Run casing
	0345							Hook Iron To circulate
	0355							circulating to Pit
	0400							Hook To Truck
	0408	6	83					0-170 Pump Lead Cement 14.5
	0421	6	35					170-200 Pump Tail cement 16.4
	0426	-	-					- Shut Down Drop Plug
	0429	6	37					0-250 Pump Displacement
	0435	3	10					250-280 slow rate
	0438							0 Stopped Displacement at
								47.5 BBLs checked float. Float
								Held.
	0440	1	2					0-290 Pumped To land Plug
	0442							Plug did <u>not</u> Land Float

RELEASED

JAN 11 1996

FROM CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

 Thank you for calling  
Halliburton Energy Serv.

STATE COMMISSION RECEIVED

DEC 15 1994

OIL &amp; GAS DIVISION





# JOB SUMMARY

HALLIBURTON DIVISION

Midcontinent

HALLIBURTON LOCATION

Liberal Ks

BILLED ON TICKET NO.

534967

## WELL DATA

FIELD \_\_\_\_\_ SEC. 7 TWP. 18 RNG. 41 COUNTY Morton 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 24'	8 5/8	780	KB	
LINER						
TUBING						
OPEN HOLE			12 1/4	790	KB	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>8 5/8 Tex</u>	<u>1</u>	
CENTRALIZERS <u>3-4 8 3/8</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>5 W</u>	<u>1</u>	
HEAD	<u>1</u>	
PACKER <u>Basket</u>		
OTHER <u>weld A</u>	<u>1</u>	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-7-94</u>	DATE <u>9-8-94</u>	DATE <u>9-8-94</u>	DATE <u>9-8-94</u>
TIME <u>2300</u>	TIME <u>0130</u>	TIME <u>0345</u>	TIME <u>0448</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Ron Crist</u>	<u>38242</u>	<u>Liberal</u>
<u>D 7653</u>	<u>7/4</u>	
<u>Tim Broadfoot</u>	<u>75496</u>	<u>"</u>
<u>D 4604</u>	<u>KCM</u>	
<u>Gary McIntyre</u>	<u>5302</u>	<u>Huyton</u>
<u>G 3755</u>		
<u>Mark Howe</u>		<u>"</u>
<u>F 7343</u>		

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ **RELEASED** \_\_\_\_\_ API \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ JAN 1 1996 \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ **FROM CONFIDENTIAL** \_\_\_\_\_  
 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. \_\_\_\_\_ IN \_\_\_\_\_  
 BREAKER TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT \_\_\_\_\_  
 DESCRIPTION OF JOB ORIGINAL  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X [Signature]  
 HALLIBURTON OPERATOR Ronald Crist COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>360</u>	<u>75/25 po2</u>		<u>B</u>	<u>2% Gel, 2% cc 1/4 floccle</u>	<u>1.29</u>	<u>14.5</u>
	<u>150</u>	<u>H</u>		<u>B</u>	<u>2% cc, 1/4 floccle</u>	<u>1.06</u>	<u>16.4</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 77.5  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 8366 3576  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 411 REASON Shoe Joint

### REMARKS

Circulated 117.5 SKS cement to PIT 27661

CUSTOMER: Anderson Ks  
LEASE: Murphy  
WELL NO: A-3  
JOB TYPE: Surface  
DATE: 9-7-94



CHARGE TO: AWARDACKS  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

COPY

TICKET

607

No.

634967 - 3

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <u>Liberty</u>	<u>A-3</u>	<u>M. J. P.</u>	<u>Madison</u>	<u>K</u>		<u>3-7-96</u>	<u>Amoco</u>
2. <u>H. J. P.</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>N. J. P.</u>	RIG NAME/NO. <u>2</u>	SHIPPED VIA <u>Liberty</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-417</u>		<u>1</u>			MILEAGE	<u>65</u>	<u>mi</u>			<u>2.8</u>	<u>187.00</u>
<u>001-016</u>		<u>1</u>			<u>Part Charge</u>	<u>750</u>	<u>hr</u>				<u>291.00</u>
<u>16A</u>	<u>830-2170</u>	<u>1</u>			<u>Guide String (Terminal)</u>	<u>8</u>	<u>ft</u>	<u>1</u>	<u>ft</u>		<u>16.00</u>
<u>24A</u>	<u>845-19302</u>	<u>1</u>			<u>Insert Fract</u>	<u>390</u>	<u>ft</u>	<u>1</u>	<u>ft</u>		<u>171.00</u>
<u>27</u>	<u>815-19415</u>	<u>1</u>			<u>Fill Assy.</u>			<u>1</u>	<u>ft</u>		<u>55.00</u>
<u>40</u>	<u>806-61048</u>	<u>1</u>			<u>Centralizer</u>	<u>3</u>	<u>ft</u>	<u>3</u>	<u>ft</u>		<u>195.00</u>
<u>320</u>	<u>806-70060</u>	<u>1</u>			<u>Cement Packer</u>	<u>8 1/2</u>	<u>in</u>	<u>1</u>	<u>ft</u>		<u>22.00</u>
<u>350</u>	<u>890-10802</u>	<u>1</u>			<u>weld A</u>	<u>1</u>	<u>lb</u>	<u>1</u>	<u>ft</u>		<u>14.50</u>

RELEASED JAN 1 1996 FROM CONFIDENTIAL ORIGINAL

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <u>X</u> <u>[Signature]</u> DATE SIGNED: _____ TIME SIGNED: _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b> AGREE UN-DECIDED DIS-AGREE		PAGE TOTAL <u>179</u> FROM CONTINUATION PAGE(S) <u>710</u> SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>88</u>
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?		
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>D. W. G. Moore</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X [Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP #	HALLIBURTON APPROVAL
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