

# ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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: NOT APPLICABLE  
 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)  
 \*\* D&A DEEP - TO BE COMPLETED AS HUGOTON INFILL  
 If Workovers:

Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 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. \_\_\_\_\_  
 1-13-95 1-17-95 5-2-95  
 Spud Date Date Reached TD Completion Date

API NO. 15- 129-21363-00-00  
 County MORTON  
NW - NW - SE - SE Sec. 36 Twp. 33S Rge. 41  W  
1250 Feet from  X (circle one) Line of Section  
1250 Feet from  X (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE,  SE, NW or SW (circle one)  
 Lease Name USA BARKER 'C' Well # 2  
 Field Name PANOMA - COUNCIL GROVE  
 Producing Formation NONE - DRY  
 Elevation: Ground 3343.0 KB --  
 Total Depth 2860 PBTB 2410  
 Amount of Surface Pipe Set and Cemented at 750 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 D & A 5-30-96  
 (Data must be collected from the Reserve Pit) LO  
 Chloride content 4800 ppm Fluid volume 700 bbls  
 Dewatering method used NATURAL EVAPORATION  
 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 DRILLING TECHNICAL ASSISTANT Date 5-8-95  
 Subscribed and sworn to before me this 8th day of May 1995.  
 Notary Public Kathryn A. Rowley  
 Date Commission Expires 8-1-96

STATE CORPORATION COMMISSION 5-11-95

MAY 11 1995  
 K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received

Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

**KATHRYN A. ROWLEY**  
 Notary Public - State of Kansas  
 My Appt. Expires 8-1-96



# ORIGINAL

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

WELL NAME: USA BARKER C-2  
SECTION 36-33S-41W  
MORTON COUNTY, KANSAS API#15-129-21363

COMMENCED: JANUARY 13, 1995

COMPLETED: JANUARY 18, 1995

OPERATOR: ANADARKO PETROLEUM CORPORATION

=====

Depth		Formation	Remarks
From	To		
0	1114	Sand & Redbed	Ran 18 jts of 24#
1115	1190	Glorietta Sand	8 5/8" csg set @
1191	2860	Redbed & Shale	750'; w/210 SX of Premium; 2% CC; Tailed w/120 SX Premium; 2% CC; Plug down at 7:30 p.m. on 01/14/95.

Ran 57 jts 5 1/2" 15.5#, Set @ 2860'; w/175 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 2:00 a.m., on 01/18/95.

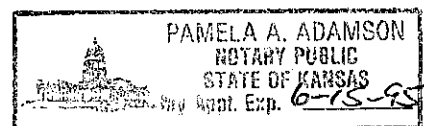
STATE OF KANSAS )I, the undersigned, being duly sworn on  
)oath, state that the above Drillers' Well  
)Log is true and correct to the best of my  
)knowledge and belief and according to the  
COUNTY OF SEDGWICK )records of this office.

NORSEMAN DRILLING, INC.

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

Subscribed & sworn to before me this

January 25, 1995

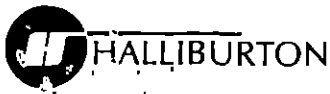


My Appointment Expires:

June 15, 1995

*Pamela A. Adamson*  
\_\_\_\_\_  
Pamela A. Adamson, Notary Public

340 Seville  
Wichita, KS 67209



# JOB SUMMARY

HALLIBURTON DIVISION

Mid Continent

HALLIBURTON LOCATION

Liberal KS

BILLED ON TICKET NO.

706008

## WELL DATA

FIELD Panoma SEC 36 TWP. 33S RING. 41W 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		15.5	6 1/2	01	200	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

# ORIGINAL

## JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INsert w Flt 1</u>		
FLOAT SHOE		
GUIDE SHOE <u>5 1/2 Reg</u>	<u>1</u>	
CENTRALIZERS <u>5-4</u>	<u>14</u>	
BOTTOM PLUG		
TOP PLUG <u>5W</u>	<u>1</u>	
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1830</u>	DATE <u>1195</u>	DATE <u>1-18-95</u>	DATE <u>1-18-95</u>
TIME <u>1-1795</u>	TIME <u>2160</u>	TIME <u>0100</u>	TIME <u>0200</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Crist</u>	<u>38242</u>	<u>Liberal</u>
<u>07653</u>	<u>PLU</u>	
<u>T. Broadfoot</u>	<u>75496</u>	<u>11</u>
<u>04604</u>	<u>RCM</u>	
<u>C McIntyre</u>	<u>5302</u>	<u>Hugoton</u>
<u>P. Boone</u>	<u>Bulk</u>	
	<u>75505</u>	
	<u>Bulk</u>	<u>11</u>

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 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 Liberal  
 DESCRIPTION OF JOB Well  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN   
 CUSTOMER REPRESENTATIVE X John Shedd STATE CORPORATION COMMISSION  
 HALLIBURTON OPERATOR Ronald Crist MAY 11 1995  
 COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	CONSERVATIVE WIGHT	YIELD LBS/CWT	MIXED LBS/GAL.
<u>1</u>	<u>10</u>	<u>Prem Plus</u>		<u>B</u>	<u>20% Diacet D, 2% cc, 1/4 flocc</u>		<u>2.69</u>	<u>12.0</u>
<u>2</u>	<u>10</u>	<u>Prem Plus</u>		<u>B</u>	<u>10% Diacet D, 2% cc, 1/4 flocc</u>		<u>2.09</u>	<u>13</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. 67  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 83.8 cc 28TC  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 45 REASON Shoe Joint

## REMARKS

~~OFF COMPANY~~

CUSTOMER Andarko  
 LEASE USA Barker  
 WELL NO. C-2  
 JOB TYPE 035  
 DATE 1-17-95

**JOB LOG** HAL-2013-C

1-17-95

 CUSTOMER: **AFC** WELL NO.: **C-2** LEASE: **USA Backer** JOB TYPE: **035** TICKET NO.: **706008**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							Called out ORIGINAL
	2100							on Location
	2300							Run casing
	0028							Hook iron to Circulate
	0030							Circulating
	0055							Hook iron to Truck
	0103	5	10					0-250 Pump KCl spacer
	106	5	30					250 Pump mud flush
	112	5	10					250 Pump KCl spacer
	113	5	84					250-150 Pump Lead Cement
	129		28					150 Pump Tail Cement
	0135		-					Drop Plug
	0140	4	57					0-500 Pump Displacement
	0154	2	10					500-600 Slow Rate
	0200							600-1000 Pump Plug



HALLIBURTON

HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: *Amesbury, H. T. ...*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

*WP*

No.

706008 - 6

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Liberty 13-230</i>	WELL/PROJECT NO. <i>C-2</i>	LEASE <i>Wash. Basin</i>	COUNTY/PARISH <i>Morton</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>1-18-92</i>	OWNER <i>SARE</i>
2. <i>...</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Nucor...</i>	RIG NAME/NO. <i>...</i>	SHIPPED VIA <i>YES</i>	DELIVERED TO <i>LOG...</i>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION <i>33 33 11</i>		
4.	INVOICE INSTRUCTIONS						
REFERRAL LOCATION							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>200-117</i>					MILEAGE	<i>60</i>	<i>mi</i>	<i>1</i>	<i>2.75</i>	<i>165.00</i>	
<i>201-111</i>					<i>Power Charge</i>	<i>7760</i>	<i>hr</i>	<i>6</i>	<i>40</i>	<i>1455.00</i>	
<i>120</i>	<i>9</i>				<i>Guido Sline</i>	<i>5 1/2</i>	<i>in</i>	<i>1</i>	<i>54</i>	<i>101.00</i>	
<i>140 B</i>	<i>315-19251</i>				<i>Truss T Head</i>	<i>2 1/2</i>	<i>in</i>	<i>1</i>	<i>56</i>	<i>140.00</i>	
<i>170</i>	<i>315-19311</i>				<i>Trip Assy</i>			<i>1</i>	<i>52</i>	<i>52.00</i>	
<i>180</i>	<i>06-50022</i>				<i>Co. T. 4200</i>	<i>4 1/2</i>	<i>in</i>	<i>1</i>	<i>60</i>	<i>270.00</i>	
<i>200-115</i>					<i>Trip Assy</i>	<i>3 1/2</i>	<i>in</i>	<i>1</i>	<i>56</i>	<i>60.00</i>	
<i>198-315</i>					<i>metal flange</i>	<i>1</i>	<i>bol</i>	<i>126</i>	<i>65</i>	<i>819.00</i>	
<i>218-238</i>					<i>Clay flange</i>	<i>1</i>	<i>bol</i>	<i>2</i>	<i>28</i>	<i>56.00</i>	

**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: *1/18/92* TIME SIGNED: *11*  A.M.  P.M.

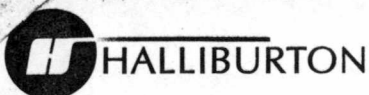
do  do not require IPC (Instrument Protection).  Not offered

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	PAGE TOTAL <i>2681.00</i>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>				
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>				FROM CONTINUATION PAGE(S) <i>5834/81</i>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>				
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>				
WELL DEPTH		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>9515.00</i>
TREE CONNECTION	TYPE VALVE	<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
<i>...</i>	<i>X</i>	<i>Ronald Cost</i>	<i>0714</i>	

e in writing  
77056.



HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

TICKET CONTINUATION

CUSTOMER COPY  
DC 69

TICKET No. 706008

CUSTOMER <b>APC</b>	WELL <b>Baker</b>	DATE <b>1-17-95</b>	PAGE <b>2</b>	OF <b>2</b>
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION					UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M				
504-050	516.00265	2			Premium Plus Cement	250	sk			11	19	2797	50
507-210	890.50071	2			Flocele	63	LB			1	55	103	95
509-406	890.50812	2			Calcium Chloride	5	sk			36	75	183	75
500-959	70.15524	2			Diacel D 20%w/175 10%w/75	3995	LB			42		1677	90
ORIGINAL													
500-207		2			SERVICE CHARGE								
500-306		2			MILEAGE CHARGE	TOTAL WEIGHT	27,934	LOADED MILES	30	CUBIC FEET	499	1	35
										TON MILES	419.01	95	398
													06

No. B 263356

CONTINUATION TOTAL

5834.81



**WELL DATA**

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ 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 755

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 7/8	KA	766.13	
LINER						
TUBING						
OPEN HOLE			12 1/4	62	755	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**

**JOB DATA**

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-14-95</u>	DATE <u>1-14-95</u>	DATE <u>1-14-95</u>	DATE <u>1-14-95</u>
TIME <u>12:00</u>	TIME <u>15:00</u>	TIME <u>19:03</u>	TIME <u>19:30</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT W/FILL</u>	<u>1</u>	<u>HONCO</u>
FLOAT SHOE		
GUIDE SHOE <u>TEX PATTERN</u>	<u>1</u>	
CENTRALIZERS <u>S-4</u>	<u>4</u>	
BOTTOM PLUG		
TOP PLUG <u>S-WIPER</u>	<u>1</u>	
HEAD <u>QCDC</u>	<u>1</u>	
PACKER <u>CMT BASKET</u>	<u>1</u>	
OTHER <u>WELD A</u>	<u>1</u>	

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>R. ELWOOD</u>	<u>0.4360</u>	<u>40075 PU LIBERAL Ks</u>
<u>D. WIEBERT</u>	<u>52939</u>	<u>7845 (P)</u>
<u>S. PORTER</u>	<u>3625</u>	<u>75817 (B) Hugoton Ks</u>
<u>G. 9613</u>		

**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. \_\_\_\_\_ IN.  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT CMT  
 DESCRIPTION OF JOB 8 5/8 SURFACE

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

CUSTOMER REPRESENTATIVE [Signature]  
 HALLIBURTON OPERATOR R. ELWOOD COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>210</u>	<u>Pt Lite</u>		<u>B</u>	<u>2% CC.</u>	<u>2.06</u>	<u>12.3</u>
	<u>120</u>	<u>Pt</u>		<u>B</u>	<u>2% C.C.</u>	<u>1.32</u>	<u>14.8</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. 46.09  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY (BBL)-GAL. 76.7 + 28.2  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 41.36 REASON SHOE ST.

**REMARKS**

Float did not hold  
M.S.D.S. SHEET LEFT IN DOG HOUSE

CUSTOMER ADARRO  
 LEASE U.S.A. BARKER  
 WELL NO. C-2  
 JOB TYPE 8 5/8 SURFACE  
 DATE 1-14-95





JOB LOG HAL-2013-C

DATE 1-14-95 PAGE NO. 1

CUSTOMER ANADARKO WELL NO. C-2 LEASE U.S.A. BARKER JOB TYPE 85/2 SURFACE TICKET NO. 705713

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:00							CALLED OUT READY 16:00
	15:00							ON LOC. Rig Dalg
	16:50							Hole T.D.
	17:10							START OUT OF Hole
	17:45							OUT OF Hole
	18:00							START CASING
	18:45							CASING ON Bottom
	18:55							Circ w/Rig
	19:03							Back to Halliburton
	19:05	8.58	76.67			X	250	START LEAD Cmt @ 12.3 #/gal
	19:13	4.7	28.21			X	300	START TAIL Cmt @ 14.8 #/gal
	19:19							SHOT DOWN
	19:20							Drop 5 wiper top Plug
	19:21	5.12	46.09			X	0	START Displacement WASH Pumps & Lines
	19:30					X	250	Plug DOWN
	19:31					X	1,000	Release
								Float NOT Holding
	19:04					X	500	PRESSURE up to 400 PSZ SHOT IN WELL
								<del>Estimated to 16.5</del>
								16 BBLs
								43.8 SKS
								THANK YOU FOR CALLING
								HALLIBURTON
								ROBERT & CREW

ORIGINAL



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: ANADARKO  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

WLD

No.

705713 - 8

PAGE 1 OF 2

SERVICE LOCATIONS 1. 025540 <u>Legeon</u>	WELL/PROJECT NO. <u>E-2</u>	LEASE <u>U.S.A. BARKER</u>	COUNTY/PARISH <u>MORTON</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>1-14-95</u>	OWNER <u>SAME</u>
2. 025532 <u>Hugobon</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>NORSEMAN Dtg.</u>	RIG NAME/NO. <u>2</u>	SHIPPED VIA <u>HESS</u>	DELIVERED TO <u>LOCATION</u>	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.		UNIT		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
000-117					MILEAGE	1	124	MI	2	75	341 00
001-016					Pump Charge	765	6	HR			890 00
030-018					5 wiper Top Plug	8 5/8	1	EM			130 00
16A	830-2171				TEX. PAT. GUIDE SHOE	8 5/8	1	EM			161 00
24A	815-19502				FLOAT INSERT	8 5/8	1	EA			171 00
27	815-19415				F.I.L Assembly	8 5/8	1	EA			55 00
40	806-61048				CENTRALIZERS	8 5/8	4	EA	65	00	260 00
320	806-70060				CMT BASKET	8 5/8	1	EA			122 00
350	890-10802				WEIRD A	1	16	EM			14 50

**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: Jim Barclaw

DATE SIGNED: 1-14-95 TIME SIGNED: 10:00 AM/PM

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	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2144 50
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			FROM CONTINUATION PAGE(S)	4543 10
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	WELL DEPTH				
TREE CONNECTION	TYPE VALVE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	6687 60
		<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): Jim Barclaw

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): Jim Barclaw

HALLIBURTON OPERATOR/ENGINEER: ROBERT ELWOOD EMP # D.4360

HALLIBURTON APPROVAL:

