

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 TRADING COMPANY

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING INC.

License: #3779

Wellsite Geologist: NA

**ORIGINAL**

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: \_\_\_\_\_

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. \_\_\_\_\_

11-16-94 11-19-94 2-16-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21323

County MORTON

- - - C - SE Sec. 30 Twp. 33S Rge. 40 X E

1320 Feet from SYN (circle one) Line of Section

1320 Feet from EW (circle one) Line of Section

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

Lease Name KNELLER "G" Well # 2H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3340 KB 3349

Total Depth 2570 PBTB 2503

Amount of Surface Pipe Set and Cemented at 575 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 1 J98 6-17-96  
(Data must be collected from the Reserve Pit)

Chloride content 500 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.

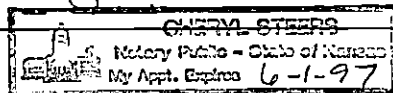
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey  
L. MARC HARVEY  
Title DRILLING TECHNICAL ASSISTANT Date 3-8-95

Subscribed and sworn to before me this 8th day of March, 19 95.

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

MAR 13 1995 3-13-95

CONSERVATION DIVISION  
WICHITA, KANSAS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name KNELLER "G" Well # 2H

Sec. 30 Twp. 33S Rge. 40  East  West  
 County MORTON

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/CIMARRON ANHY	1570	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	KRIDER SS	2279	
List All E.Logs Run: CCL-CBL-GR. DIL, CNL-LDT, NGR, MSFL		KRIDER LS	2295	
		WINFIELD SS	2343	
		TOWANDA SS	2414	
		FORT RILEY LS	2470	
		T.D.	2570	

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	575	75/25 POZMIX/ CLASS H	250/150	2%CC 1/4#/SX FLC/ 2%CC 1/4#/SX FLC
PRODUCTION	7 7/8	5 1/2	15.5	2555	CLASS C/ CLASS C	165/40	20%DCD 2%CC 1/4- #/SX FLC / 10%DCD 2%CC 1/4#/SX FLC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		2	2294-2304(KRIDER)
4	2294-2314(KRIDER), 2320-2330(KRIDER)	FRAC 26000GAL 24# LNR GELLED 2% KCL WTR & 95700# 20/40 SD, LAST 24200# PROBLOCK	
2	2354-2364(WINFIELD)	NONE NONE	

TUBING RECORD	Size 2 3/8	Set At 2384	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. FIRST PRODUCTION 3/1/95	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 115 Mcf	Water 2 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: \_\_\_\_\_ 2294-2364 (OA)

# ORIGINAL

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

WELL NAME: KNELLER G-2H  
SECTION 30-33S-40W  
MORTON COUNTY, KANSAS  
15-129-21323

COMMENCED: NOVEMBER 16, 1994

COMPLETED: NOVEMBER 20, 1994

OPERATOR: ANADARKO PETROLEUM CORPORATION

=====

Depth		Formation	Remarks
From	To		
0	1149	Sand & Redbed	Ran 14 jts of 24#
1150	1289	Glorietta Sand	8 5/8" csg set @
1290	2570	Redbed & Shale	575'; w/250 SX of 75/25 Pozmix; 2% CC; 1/4# SX Flocele; Tailed w/150 SX Class H; 2% CC; 1/4# SX Flocele; Plug down at 3:30 a.m. on 11/17/94.

Ran 59 jts 5 1/2" 15.5#, Set @ 2555'; w/165 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 10:00 a.m., on 11/20/94

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

November 28, 1994



My Appointment Expires:

June 15, 1995

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

RECEIVED  
STATE CORPORATION COMMISSION  
MAR 13 1995  
NOTARY PUBLIC DIVISION  
WICHITA, KANSAS



JOB LOG HAL-2013-C

DATE 11-20-

CUSTOMER Anadarko Petroleum WELL NO. 2 H LEASE Kneller G JOB TYPE 5 1/2 Long Stang TICKET NO. 63564

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							Called out
	0500							on location
								Rig up
								Safety meeting
								ORIGINAL
								Run pipe
								Drop Ball
								Circulate with Rig Pump
								Hook up cement line
	0900	6	10			✓	350	START KCL Pad
	0903	6	30			✓	350	START mud flush
	0909		10			✓	300	START KCL
	0912		79			✓	300	START Lead cement
	0924		148			✓	300	START Tail cement
	0927							wash up pumps
	0930							Release plug
	<del>0937</del>		59.7			✓	<del>120</del> 100	Displace Plug
	0943					✓	1100	Lead Plug
	0944							Release psi Check float ok
								Circulated Cement to surface

RECEIVED STATE COMMISSION

MAR 13 1995

CUSTOMER CONSERVATION DIVISION WICHITA KANSAS

WELL DATA

FIELD Hugotown SEC 20 TWP 33S RING 40W COUNTY MARTIN 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. \_\_\_\_\_  
MISC DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

ORIGINAL

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-20-94</u>	DATE <u>11-20-94</u>	DATE <u>11-20-94</u>	DATE <u>11-20-94</u>
TIME <u>0200</u>	TIME <u>0500</u>	TIME <u>0930</u>	TIME <u>0945</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Nicholas</u> <u>41575</u>	<u>40078</u>	<u>Liberal</u>
<u>H. Teddon</u> <u>56623</u>	<u>4903</u> <u>7131</u>	<u>''</u>
<u>D. Hamman</u> <u>63090</u>	<u>4673</u> <u>4515</u>	<u>Hugotown</u>
<u>J. Adcox</u> <u>50866</u> <u>7649</u>		<u>''</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Auto Coll</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>Insert</u>	<u>1</u>	<u>0</u>
GUIDE SHOE <u>RC9</u>	<u>1</u>	<u>0</u>
CENTRALIZERS <u>SL</u>	<u>14</u>	<u>C</u>
BOTTOM PLUG		<u>C</u>
TOP PLUG <u>SW</u>	<u>1</u>	<u>0</u>
HEAD <u>PC</u>	<u>1</u>	
PACKER		
OTHER		

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 \_\_\_\_\_  
 PERFRAC BALLS TYPE \_\_\_\_\_ QTY \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT Cement  
DESCRIPTION OF JOB Skylong string

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN

CUSTOMER REPRESENTATIVE X J. H. Slone

HALLIBURTON OPERATOR Orville Anderson COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SCK.	MIXED LBS./GAL.
	<u>165</u>	<u>P... plus</u>			<u>20% Dyecl D 24cc 4 1/2" Floeck</u>	<u>2.19</u>	<u>12</u>
	<u>40</u>	<u>P... plus</u>			<u>10% Dyecl D 24cc 4 1/2" Floeck</u>	<u>2.09</u>	<u>13</u>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 9-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_

SUMMARY

VOLUMES

PRESLUSH BBL-GAL 1044 KCL TYPE \_\_\_\_\_  
 LOAD & BKDN BBL-GAL 20 bbl 24cc 4 1/2" Floeck PAD BBL-GAL 10 KCL  
 TREATMENT BBL-GAL \_\_\_\_\_ DISPL BBL-GAL 59.7  
 CEMENT SLURRY BBL-GAL 79-14.8  
 TOTAL VOLUME BBL-GAL \_\_\_\_\_

REMARKS

11 SDS slits and to  
House

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 REASON Flowing first

CUSTOMER

CUSTOMER: D. Nicholas  
LEASE: Kanlon  
WELL NO.: 3  
JOB TYPE: 56 1/2" string  
DATE: 11-20-94



CHARGE TO: Anadarko Petroleum  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: Liberol

COPY \_\_\_\_\_ TICKET WT  
 No. 635647-1  
 PAGE 1 OF \_\_\_\_\_

FORM 1906 R-13

SERVICE LOCATIONS 1. <u>Liberol</u>	WELL/PROJECT NO. <u>2 H</u>	LEASE <u>Kneller 'G'</u>	COUNTY/PARISH <u>Morton</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>11-20-94</u>	OWNER <u>Same</u>
2. <u>Huyotun</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>Norsman</u>	RIG NAME/NO. <u>2</u>	SHIPPED VIA	DELIVERED TO <u>Location</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035 5/2 Longstring</u>	WELL PERMIT NO.	WELL LOCATION <u>30-335, 40-W</u>		
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	110	mi			2.75	302.50
001-016					Pump Charge	2555	ft				1455.00
030-018					5 wiper plug	1	Eq				65.00
314-163					ck fix II	4	gal			24.00	96.00
018-312					mud flush	1260	gal			65	819.00
12A	825-205				Guide Shoe	1	Eq	5/2	in		121.00
24A	815-19215				Insert float	1	Eq	"	"		110.00
27	815-19311				Auto fill	1	Eq	"	"		55.00
40	806-60022				Controlizer	14	Eq			44.00	616.00

**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: [Signature]

DATE SIGNED: 11-20-94 TIME SIGNED: 0600  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	<b>SURVEY:</b> OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input checked="" type="checkbox"/> WE UNDERSTOOD AND MET YOUR NEEDS? <input checked="" type="checkbox"/> OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input checked="" type="checkbox"/> WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input checked="" type="checkbox"/> ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	AGREE	UN-DECIDED	DIS-AGREE
BEAN SIZE	SPACERS				
TYPE OF EQUALIZING SUB.	CASING PRESSURE				
TUBING SIZE	TUBING PRESSURE				
TREE CONNECTION	TYPE VALVE				

PAGE TOTAL: 3629.50  
 FROM CONTINUATION PAGE(S): 4830.10  
 SUB-TOTAL: 8459.60  
 APPLICABLE TAXES WILL BE ADDED ON INVOICE

**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): John St. Henry CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature]

HALLIBURTON OPERATOR/ENGINEER: Charles Nicholas EMP # 41525 HALLIBURTON APPROVAL: \_\_\_\_\_



**JOB LOG** HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
ANADARKO PETROLEUM		2-H		KELLER "G"		RESURFACE CSG		635822	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS:		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0110								CALLED OUT READY NOW
	0230								ON LOCK MAKING WIPER TRIP
	0130								START RUNNING CSG.
	0230								Hook up HEAD TO CIRCULATE
	0240								CIRCULATION TO PIT - SAFETY MEETING
	0255								Hook up CMT LINE
	0300	6.4	57.4			-	250		START LEAD CMT
	0309	5.6	28.3			-	230		START TRAIL CMT
	0314	0	0			-	0		SHUT DOWN DROP PLUG.
	0316	6	24			-	0/240		START DISPLACEMENT H <sub>2</sub> O
	0320	2	34.7			-	240/800		SLOW RATE DOWN (34.7 BBL TOTAL)
	0325	-	-			-	800		PLUG LANDED - FLOAT HELD
									Job OVER
									40 BBL CMT PIT 1745Ks
									THANKS FOR CALLING
									HALLIBURTON ENERGY SERVICES
									LIBERAL Ks.
									HAVE A GOOD NIGHT
									BROADFOOT - MARTINEZ - HAMILTON
									ADAIR



**WELL DATA**

FIELD HUGOTON SEC 30 TWP 33S RNG. 40W 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	GL	572 #	
LINER						
TUBING			12 1/4	GL	580	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-16-94</u>	DATE <u>11-16-94</u>	DATE <u>11-17-94</u>	DATE <u>11-17-94</u>
TIME <u>2110</u>	TIME <u>2300</u>	TIME <u>0300</u>	TIME <u>0400</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
<del>TELESCOPE</del> INSERT 8 5/8	1	H
<del>GUIDE SHOE</del> FILLUP	1	H
GUIDE SHOE TEXAS PATTERN	1	D
CENTRALIZERS S-4	4	
BOTTOM PLUG		W
TOP PLUG 5 W	1	
HEAD		C
<del>ANCHOR</del> How Cow Welder	1	
OTHER		D

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
T BROADFOOT		LIBERAL Ks.
A4604	38242	
R. MARTINEZ	52947	"
G2731	75496	
D. HAMPTON	4673	HUGOTON Ks.
G3090	4313	
J. ADAIR	50866	"
D9382	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 \_\_\_\_\_

ORIGINAL

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 8 5/8 SURFACE CSG.

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

CUSTOMER REPRESENTATIVE X. C. Cotton

HALLIBURTON OPERATOR Jim Burdick COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	250	Aspoz Prem		B	2% C.C.	1.29	14.5
1	150	Prem		B	2% C.C.	1.06	16.4

**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. 34.7  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 57.4 - 28.3  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS MANIFEST GAVE TO Co. MAN  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 39.72 REASON SHOE JT.

CUSTOMER MANARKS-PC TPO/LEAD LEASE WELL NO. 24 JOB TYPE 8 5/8 SURFACE CSG. DATE 11-16-94



CHARGE TO: **ANASARKS Petrochem**  
 ADDRESS: **Box 2351**  
 CITY, STATE, ZIP CODE: **Lexington KY 40503-0351**

COPY

TICKET **WT**  
 No. **635822 - 0**

PAGE **1** OF **2**

FORM 1906 R-13

SERVICE LOCATIONS 1. <b>ANASARKS 0351</b>	WELL/PROJECT NO. <b>2 H</b>	LEASE <b>KAPLES "G"</b>	COUNTY/PARISH <b>-MORTON</b>	STATE <b>KY</b>	CITY/OFFSHORE LOCATION	DATE <b>11-10-94</b>	OWNER <b>Same</b>
2. <b>ANASARKS 0351</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <b>Hobson-170-PLG.</b>	RIG NAME/NO. <b>ANASARKS 2"</b>	SHIPPED <b>VA</b>	DELIVERED TO <b>Location: W. R. R. 2</b>	ORDER NO.
3.	WELL TYPE <b>02</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>012</b>	WELL PERMIT NO.	WELL LOCATION <b>30 335-400</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	32	mi	1	unit	2.75	88.00
001-016					PUMP CHANGE	550	hr	1	hr		890.00
030-018					TOP PLUG	850	in	1	ea		130.00
160A	830.2171				TEXAS INSTRUMENTS SALE						161.00
244	815.19502				INSERT FLOAT						171.00
27	815.19415				FILLUP TUBE						55.00
320	Sub. 73063				CEMENT BASKET						122.00
40	810.61043				CENTRAL ZONE			4	ea	6.50	260.00
350	870.10802				HOUSING WITH "A"	1	lb	1	ea		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: **X [Signature]**

DATE SIGNED: **11-17-94** TIME SIGNED: **0400**  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	<b>SURVEY</b> OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input checked="" type="checkbox"/> WE UNDERSTOOD AND MET YOUR NEEDS? <input checked="" type="checkbox"/> OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input checked="" type="checkbox"/> WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input checked="" type="checkbox"/> ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	AGREED	UN-DECIDED	DIS-AGREE	PAGE TOTAL <b>1891 50</b> FROM CONTINUATION PAGE(S) <b>5113 53</b> SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>7005 103</b>
BEAN SIZE	SPACERS					
TYPE OF EQUALIZING SUB.	CASING PRESSURE					
TUBING SIZE	TUBING PRESSURE					
TREE CONNECTION	TYPE VALVE					

**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): **E. E. DeT... [Signature]**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **X [Signature]**

HALLIBURTON OPERATOR/ENGINEER: **[Signature]** EMP #

HALLIBURTON APPROVAL: **[Signature]**

