

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

**CONFIDENTIAL**

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  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. \_\_\_\_\_

4-18-95 4-26-95 8-2-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21460-00-00

County SEWARD

C - NE - SE Sec. 10 Twp. 34S Rge. 34  E  W

1980 Feet from X(S) (circle one) Line of Section

660 Feet from (E)X (circle one) Line of Section

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

Lease Name MCGILL 'A' Well # 3-10

Field Name ADAMSON

Producing Formation L. MORROW /BASAL CHESTER

Elevation: Ground 2919.9 KB --

Total Depth 6631 PBSD 6145

Amount of Surface Pipe Set and Cemented at 1712 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 J94 9-5-95  
(Data must be collected from the Reserve Pit)

Chloride content 1500 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:

**RELEASED**

Operator Name \_\_\_\_\_

Lease Name NOV 1 1996 License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

County FROM CONFIDENTIAL 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 [Signature]  
Title TOM HOOPER Date 8/14/95  
DRILLING ENGINEER

Subscribed and sworn to before me this 14th day of August, 19 95.

Notary Public [Signature] **L. MARG HARVEY**  
Notary Public - State of Kansas  
City/County Expires 6-18-99

Date Commission Expires \_\_\_\_\_

**AUG 16 1995** 8-16-95

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MCGILL 'A' Well # 3-10

Sec. 10 Twp. 34S Rge. 34  East  West County SEWARD

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: CNL-LDT, DIL, ML, SONIC, SBT-GR, MSFL.  
**HIGH RESOLUTION INDUCTION**  
**CCL**  
**TRIPLE COMBO**

Log  Formation (Top), Depth and Datums  Sample

Name	Top	Datum
CHASE	2626	
COUNCIL GROVE	2988	
LANSING	4447	
MARMATON	5140	
MORROW	5788	
CHESTER	6054	
STE. GENEVIEVE	6331	
ST. LOUIS	6439	

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	12.25	8.625	24	1712	MIDCON 2/ PREM PLUS 'C'	320/160	2%CC, 1/4#/SK FLC /2%CC, 1/4#/SK FLC
PRODUCTION	7.875	5.5	15.5	6607	VERSASET	280	6% HALAD-322, 5% KCL, 1/4#/SK FLC .9% VERSASET

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 checked="" type="checkbox"/> Plug Off Zone	6332-6460	MICROMATRIX	20	1% CFR-3, 1/4#/SK NON-FOAMER

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	6322-90, CMT RTNR @ 6400'	ACID: 3000GAL 7-1/2% FEHCL. FRAC: 51800 2% KCL WTR & 200000# 20/40 SD.	6332-6390
4	6458-6460 (TO SQZ PERFS) SQZ 6332-6460'	NONE.	6454-6460
2	6332-6362 (RE-PERF)	NONE.	6332-6362
2	6046-6053	ACID: 700GAL 15% FEHCL.	6042-6053
2	6084-6114	ACID: 2200GAL 15% FEHCL. FRAC: 17100GAL BORAGEL & 86200# 20/40 SD.	6084-6114

TUBING RECORD Size 2-3/8" Set At 6047 Packer At \_\_\_\_\_  
 Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 7-20-95 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_  
 Estimated Production Per 24 Hours Oil 95 Bbls. Gas \_\_\_\_\_ Mcf Water \_\_\_\_\_ Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas: Method of completion  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 Open Hole  Perforated  Dual Comp.  Commingled \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_ 6046-6114 (OA)

7/11/96  
KCC

ORIGINAL

CONFIDENTIAL

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

WELL NAME: MCGILL A-3-10  
SECTION 10-34S-34W  
SEWARD COUNTY, KANSAS  
  
COMMENCED: APRIL 14, 1995  
  
COMPLETED: APRIL 28, 1995  
  
OPERATOR: ANADARKO PETROLEUM CORPORATION

RELEASED  
NOV 1 1996

FROM CONFIDENTIAL

Depth		Formation	Remarks
From	To		
0	1079	Sand & Redbed	Ran 42 jts of 24# 8 5/8" csg set @ 1714'; w/320 SX of Midcon 2; Tailed w/160 SX Premium Plus; 2% Cacl. 2; 1/4# SX Flocele; Plug down at 8:45 a.m. on 04/18/95.
1080	1210	Glorietta Sand	
1211	2580	Redbed & Shale	
2581	6631	Lime - Shale	

Ran 152 jts 5 1/2" 15.5#, Set @ 6607'; w/280 SX  
Versatt; 6% H-322; 5% CC; 1/4# SX Flocele; Tailed  
w/230 SX Versatt; 6% H-322; 5% CC; 1/4# Flocele; Plug  
down at 6:45 p.m., on 04/28/95

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

RECEIVED  
STATE CORPORATION COMMISSION  
AUG 1 8 1995  
WICHITA, KANSAS

Subscribed & sworn to before me this

May 2, 1995

PAMELA A. ADAMSON  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. *6-15-95*

My Appointment Expires:

June 15, 1995

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



HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Mid-Continent  
Liberal

BILLED ON TICKET NO. 7066671

WELL DATA  
FIELD \_\_\_\_\_ SEC. 10 TWP. 34S RING. 34W COUNTY Seward STATE KANSAS

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 \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 7/8	0	1712	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

CONFIDENTIAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE 2 8 7/8	1	
CENTRALIZERS 5/4 8 7/8	6	
BOTTOM PLUG		
TOP PLUG SW 8 7/8	1	
HEAD		
PACKER inst. 8 7/8		
OTHER inst. 5/4 8 7/8	1	

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 \_\_\_\_\_

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 4-17-95 TIME 23:30	DATE 4-18-95 TIME 01:30	DATE 4-18-95 TIME 07:40	DATE 4-18-95 TIME 08:45

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
K. Boone 47841	40076	Liberal
N. Tate 10568	52303	"
B. Longworth 6-7510	75371	"
S. Pooton 6-7613	50709	Hugoton
	5303	"
	4447	"
	6610	"
		RELEASED
		NOV 1996

DEPARTMENT cement  
DESCRIPTION OF JOB cement 1712 'of 8 7/8 casing  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE X J. J. Shuman  
HALLIBURTON OPERATOR K. Boone  
COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	320	mid con		B	2 3/4 Gal. 1/4" Floc	3.27	11.08
	160	P		B	2 3/4 Gal. 1/4" Floc	1.62	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 stop in t

SUMMARY  
PRESLUSH: BBL.-GAL. 100  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 106  
CEMENT SLURRY: BBL.-GAL. 186 - 32.6  
TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

REMARKS  
S.R. 50 sk cement

CUSTOMER: HUBBARD  
DATE: 4-18-95  
LEASE: M.G. 11  
WELL NO.: 4-3  
JOB TYPE: 8 7/8 Surface



**JOB LOG** HAL-2013-C

CUSTOMER Anadarko Pkgs.	WELL NO. A-3	LEASE McB. 11	JOB TYPE 8 7/8 Surface	TICKET NO. 706671
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	23:30							Called out ready @ 02:30
	01:30							on loc.
								Safety meeting
								<b>CONFIDENTIAL</b>
								<b>ORIGINAL</b>
	07:40	5	5			250		Pump 17u
	07:42	6	186			250		Pump lead connect
	08:17	6	38			250		Pump TA1 connect
	08:22							Release plug
	08:24							start O. replacement
		6	97					slow rate down
	09:43		108			1000		plug down
	08:44							cl sit on
								RELEASED
								NOV 1 1996
								FROM CONFIDENTIAL
								Job Time 2 hrs 43 min
								Pump Time 1 hr

RECEIVED  
STATE CORPORATION COMMISSION

AUG 16 1995

WICHITA KANSAS



HALLIBURTON

HALLIBURTON ENERGY SERVICES

CHARGE TO: Huadarko Pita Corp  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. 706671 - 9

PAGE 1 OF 2

FORM 1908 R-13

1. <u>L. Beal 025540</u>	WELL/PROJECT NO. <u>A-3</u>	LEASE <u>M-6-11</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>4-18-95</u>	OWNER <u>Huadarko</u>
2. <u>Hogston 025535</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>NORSEMAN</u>	RIG NAME/NO. <u>1</u>	SHIPPED VIA <u>COTEL</u>	DELIVERED <u>loc</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT	STATE CORPORATION COMMISSION	DATE <u>AUG 16 1995</u>	WELL LOCATION
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		1			MILEAGE	28	mi		77.00
001-016		1			Pump charge	1712	ft		1320.00
030-018		1			Top Rubber Plug	1	EA	87/8	130.00
12 A	825-217	1			Guide shoe	1	EA	87/8	216.00
24 A	815-19502	1			Insert 411 valve	1	EA	87/8	171.00
27	815-19415	1			Auto Fillup Assy.	1	EA	87/8	55.00
40	806-61048	1			Central. zeros	6	EA	87/8	390.00
320	806-20060	1			Smart Basket	1	EA	87/8	122.00
350	890-10202	1			Weld-A	1	lb		14.50
019-000	045-052	1			Strip chart	1	EA		150.00

CONFIDENTIAL

ORIGINAL

RELEASED

1991 1 1996

FROM 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 [Signature]

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_

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

TYPE LOCK	DEPTH	<b>SURVEY</b> <input checked="" type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE  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	PAGE TOTAL	2495	50
BEAN SIZE	SPACERS		FROM CONTINUATION PAGE(S)	9203	70
TYPE OF EQUALIZING SUB.	CASING PRESSURE				
TUBING SIZE	TUBING PRESSURE				
WELL DEPTH					
TREE CONNECTION	TYPE VALVE				

**SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE** 11,879.28

**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): Walter Halliburton

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

HALLIBURTON OPERATOR/ENGINEER: Keith Score EMP # 47541

HALLIBURTON APPROVAL: \_\_\_\_\_



HALLIBURTON

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 206621

HALLIBURTON ENERGY SERVICES

CUSTOMER APC WELL McGill DATE 4-17-95 PAGE 2 OF 2

FORM 1911 R-10

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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOG	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-050	516.00265				Premium Plus Cement	160	sk			11 19	1790 40
504-282					Midcon	360	sk			15 51	5583 60
507-210	890.50071				Flocele 1/4"/480sk	120	lb			1 65	198 00
509-406	890.50812				Calcium Chloride 2%/480sk	9	sk			36 75	330 75
<p>CONFIDENTIAL</p> <p>RELEASED NOV 1 1996</p> <p>FROM CONFIDENTIAL</p>											
500-207					SERVICE CHARGE	CUBIC FEET					
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
						49,394	23	564	568.03	1 35	761 40
										95	539 63

ORIGINAL

CONFIDENTIAL

RELEASED NOV 1 1996 FROM CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION AUG 1 6 1995

JUN

No. B 218904

CONTINUATION TOTAL

9203 28

**WELL DATA**

FIELD \_\_\_\_\_ SEC. **10** TWP. **34S** RNG. **34W** COUNTY **Seward** 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		155	5 1/2	133	1620	79
LINER						
TUBING						
OPEN HOLE			7 1/2	-		SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**CONFIDENTIAL**

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <b>4-28</b>	DATE <b>4-28</b>	DATE <b>4-28</b>	DATE <b>4-28</b>
TIME <b>0745</b>	TIME <b>1045</b>	TIME <b>1700</b>	TIME <b>1900</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLLOAT COLLAR <b>5 1/2</b> <i>Insert Float</i>	<b>1</b>	<i>Huron</i>
FLLOAT GUIDE <i>Fillup</i>	<b>1</b>	
GUIDE SHOE <i>Bo</i>	<b>1</b>	
CENTRALIZERS	<b>20</b>	
BOTTOM PLUG		
TOP PLUG	<b>1</b>	
HEAD	<b>1</b>	
PACKER		
OTHER		

**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. \_\_\_\_\_  
 PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>Deane</i>	<b>40075</b>	<i>Liberal Ks</i>
	<b>59179</b>	
<i>T. Byers</i>	<b>52938 A</b>	"
	<b>48120</b>	
<i>J. Adair</i>	<b>50866</b>	<i>Hesperon Ks</i>
	<b>63813</b>	

**RELEASED**

**ORIGINAL**

**NOV 1 1996**

**FROM CONFIDENTIAL**

DEPARTMENT *Cement*  
 DESCRIPTION OF JOB **5 1/2**

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

CUSTOMER REPRESENTATIVE *X J. L. Shaver*

HALLIBURTON OPERATOR *Deane* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<b>280</b>	<i>Premblon</i>			<i>9/10% Veriget 12% #6 Glycerin 5% KCl 6/10% Halex 322 1/2 # Flocide</i>	<b>1.58</b>	<b>13.9</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 **4450** REASON *Shoe Joint*

**SUMMARY**

PRESLUSH: BBL.-GAL. *10 3/4* VOLUMES *30 3/4*  
 LOAD & BKDN: BBL.-GAL. *10 3/4* *10 3/4*  
 TREATMENT: BBL.-GAL. *10 3/4* *10 3/4*  
 CEMENT SLURRY: BBL.-GAL. *156.51*  
 TOTAL VOLUME: BBL.-GAL. *156.51*

**REMARKS**

**AUG 16 1995**

**CONFIDENTIAL**

CUSTOMER *Amesbury Petroleum Corp* LEASE *Mc Gill* WELL NO. **3-10** JOB TYPE *5 1/2" Prod Stems* DATE **4-28-95**





JOB LOG HAL-2013-C

DATE 4-28-95 PAGE NO.

CUSTOMER Anderson & Petro Corp WELL NO. 3-10 LEASE Mc Gill JOB TYPE 5 1/2 Prod Stems. TICKET NO. 706688

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0745							Time Called
	now							Time Ready
	1045							Time on loc. Rig Lay Down Drill Pipe
	1300							START Pump Casing. <b>CONFIDENTIAL</b>
	1700							Casing in hole
	1701							Hookup Circulate Casing
	1710							Circulate Casing w/ 1/2 Pump
	1718							Circulate Mud To Ground Level
	1750							Hookup To Pump Truck
	1755	5	20				600	Start 2 3/4" Ahead. <b>ORIGINAL</b>
	1759	/	30				600	Start Mud Flush
	1805	/	20				600	Start 2 3/4" Behind
	1808	6.5					500	Start Mixing Cement
	1819		78.75				300	Finish Mixing Cement
	1820						300	Shut Down
	1823	6					150	Start Displacement
	1900	4.2	156.5				900/1400	Plug Down
								Float Held Lost Circulation w 18 <sup>BB</sup> and Regain Cse. AT 92 <sup>BB</sup> Circ Fluid Than The Rest of job

RECEIVED STATE CORPORATION COMMISSION

AUG 1 1995

WICHITA, KANSAS

Thanks For Calling Halliburton Energy Dennis Coyle & Crew





CHARGE TO: Anadarko Petroleum  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. 706688 - 4

PAGE 1 OF

FORM 1906 R-13

SERVICE LOCATIONS 1. 25540 Liberal, Ks 2. 25535 Houston, Ks	WELL/PROJECT NO. 3-10	LEASE McGILL	COUNTY/PARISH Sevier	STATE Ks	CITY/OFFSHORE LOCATION	DATE 4-29-95	OWNER Anadarko Petroleum
TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. NORSEMAN 1	SHIPPED VIA	DELIVERED TO Loc.	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE 035 5 1/2 Prod Stg	WELL PERMIT NO.	WELL LOCATION NW of Liberal, Ks		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS 01 03					

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
000-117		1			MILEAGE	20	mi			55
001-016		1			Pump charge	620	FT			2175
030-016		1			5w Top Prod	1	Ear	5 1/2	60	60
					Additional Hours	2	Hours	1 Unit	235	470
12A	825-205	1			Guide shoe	1	Ear	5 1/2	121	121
24A	815-14251	1			Insert Float	1			110	110
27	815-19311	1			Fillups	1			55	55
40	806-60022	1			Centralizers	20			60	1200
<del>015-000</del>	<del>015-052</del>	STATE			<del>String Change</del>	<del>7</del>	<del>FT</del>		<del>150</del>	<del>150</del>
314-163					Defix II	4	81		28	112
018-315					Mech Push	126	FT		.65	819

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 [Signature] 4-29-95

DATE SIGNED: 4-29-95

TIME SIGNED:  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: 11096

BEAN SIZE: \_\_\_\_\_ SPACERS: \_\_\_\_\_

TYPE OF EQUALIZING SUB.: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

TUBING SIZE: \_\_\_\_\_ TUBING PRESSURE: \_\_\_\_\_ WELL DEPTH: \_\_\_\_\_

TREE CONNECTION: \_\_\_\_\_ TYPE VALVE: \_\_\_\_\_

**SURVEY:**  AGREE  UN-DECIDED  DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	5177
FROM CONTINUATION PAGE(S)	7519
SUB-TOTAL	
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) Jillan S.H. H...g	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X [Signature]	HALLIBURTON OPERATOR/ENGINEER Dennis Gore	EMP # 59179	HALLIBURTON APPROVAL
--	---	--	----------------	----------------------



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

*Mid Cont*  
*Liberal Ks*

BILLED ON TICKET NO. *706700*

## WELL DATA

FIELD \_\_\_\_\_ SEC \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ COUNTY *Sevier* 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 *6400 FT* SET AT *EZSU*

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<i>155</i>	<i>5 1/2</i>	<i>GL</i>	<i>-</i>	
LINER						
TUBING			<i>2 3/8</i>	<i>KB</i>	<i>6400</i>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS					<i>6442</i>	
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>5-19</i>	DATE <i>5-19</i>	DATE <i>5-19</i>	DATE <i>5-19</i>
TIME <i>0430</i>	TIME <i>0700</i>	TIME <i>0850</i>	TIME <i>1100</i>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Jones</i>	<i>40075</i>	<i>Liberal Ks</i>
<i>R. Elwood</i>	<i>59179</i>	<i>"</i>
<i>T. Poyez</i>	<i>52293 A</i>	<i>"</i>
<i>S. Patten</i>	<i>04360</i>	<i>"</i>
	<i>3233 / 71829</i>	<i>"</i>
	<i>48120</i>	<i>"</i>
	<i>69613</i>	<i>Higgins Ks</i>

ORIGINAL

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CONFIDENTIAL

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

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 \_\_\_\_\_

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

DEPARTMENT *Cement*

DESCRIPTION OF JOB *Inject 6 + Cement*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN

CUSTOMER REPRESENTATIVE *X [Signature]*

HALLIBURTON OPERATOR *Dennis [Signature]* COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	RECEIVED STATE CORPORATION COMMISSION	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>20</i>	<i>Micro M-Fice</i>			<i>1% CER-3 1/4" O.A. Nic</i>	<i>AUG 1 1995</i>	<i>1.21</i>	<i>12.0</i>

### 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 \_\_\_\_\_ REASON \_\_\_\_\_

### SUMMARY

PRESLUSH: BBL.-GAL. *25.00*

LOAD & \_\_\_\_\_ BBL.-GAL. *120.00*

TREATMENT: BBL.-GAL. \_\_\_\_\_

CEMENT SLURRY: BBL.-GAL. *3.3*

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

DISPL: BBL.-GAL. *25.76*

### REMARKS

CUSTOMER *Amesbury Piro-Lavo*  
LEASE *Mc G. 11*  
WELL NO. \_\_\_\_\_  
JOB TYPE *3*  
DATE *5-19-95*



JOB LOG HAL-2013-C

DATE 5-18-95  
TICKET NO. 706700

CUSTOMER Anderson WELL NO. A3 LEASE McGill JOB TYPE Test/Tub G

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

0430  
0800  
0700

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Time Collected  
Time Ran  
Time over  
misp Component A in transport

0850  
0858  
0912  
0915  
0918

2  
3

28  
120

800

150

600  
500  
600  
600  
16

Hookup Tub  
Load Tub ORIGINAL  
Shut Down  
Hookup to BS  
Load Cas  
Shut Down 2 BPM For Test/Show  
Start Under Test Down Hole  
Pup 5 BPM / spacer of Cas  
Start Down Hole w/ cut  
Start Displacement  
Shut Down  
String out of Retainer & Break Loss  
Pup Start Popping Tub out of Hole  
Finish w/ Job.

Thanks For Calling Halliburton Energy  
Dennis Green & Crew

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION

AUG 1 6 1995

STATE CORPORATION COMMISSION

CUSTOMER



