

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: NA

License: NA

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: ANADARKO PETROLEUM CORPORATION

Well Name: USA LOW "1" 2

(WAS DRY & TA'D)

Comp. Date 10/10/94 Old Total Depth 5950

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back 2545  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10/12/94 NA 2/14/95  
Spud Date of START Date Reached TD Completion Date of  
OF WORKOVER WORKOVER

API NO. 15- 129-21,343-0001

County MORTON

NE - SW - SE - SW Sec. 9 Twp. 33S Rge. 40  E  W

600 Feet from S (circle one) Line of Section

1750 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 LOW "1" Well # 2H

Field Name HUGOTON

Producing Formation KRIDER/WINFIELD (CHASE)

Elevation: Ground 3242.7 KB --

Total Depth 5950 PBTB 2545

Amount of Surface Pipe Set and Cemented at 1521 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 REWORK 094 9-15-95  
(Data must be collected from the Reserve Pit)

Chloride content 58,596 ppm Fluid volume 5000 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, 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 confidentially 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 2/22/95

Subscribed and sworn to before me this 22 day of February, 1995.

Notary Public Cheryl Steers

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

**CHERYL STEERS**  
Notary Public - State of Kansas  
My Appt. Expires 6-1-97

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)  
**RECEIVED**  
STATE CORPORATION COMMISSION

MAR 2 1995 Form ACO-1 (7-91)

CONFIDENTIAL - NOT FOR RELEASE  
WICHITA, KANSAS

3-2-95

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA LOW "I" Well # 2H

Sec. 9 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  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:

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 SEE ATTACHMENT

JAN 1950

CASING RECORD		<input checked="" type="checkbox"/> New <input type="checkbox"/> Used		ORIGINAL			
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	1521	50/50 POZMIX/ COMMON	550/250	4% GEL, 2% CC/ 2%CC
PRODUCTION	7 7/8	5 1/2	15.5	2614	PREM LT WT/ PREMIUM PLUS	125/125	2%CC, 1/4#SX FLOC/ 1%CC, .6%HALAD322, 10% EA-2, 15%SALT, 1/4#SX FLOCELE

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	2280-2284, 2218-2224	ACIDIZE IN 2' INTERVALS W/50 GAL 7.5% FE ACID/FT, TOTAL ACID=500 GALS 2218-2284
	CHECK SAND @ 2530', C.O. TO 2545'	DIVERTA FRAC W/5000 GALS 25# LINEAR GELLED 2% KCL WTR & 4250# 40/70 SAND, FRAC W/20,244 GALS 25# LINEAR GELLED 2% KCL WTR & 62,500# 20/40 SAND 2218-2284

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	2323		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. SI WO PRODUCTION EQUIPMENT, WO PIPELINE	Producing Method			
	NA <input 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 480 Mcf	Water 1.5 Bbls.	Gas-Oil Ratio -- Gravity --

Disposition of Gas:\* METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Conmingled 2218-2284 OA  
 (If vented, submit ACO-18.)  
 \*TO BE SOLD  Other (Specify) \_\_\_\_\_

ORIGINAL

ATTACHMENT

USA LOW "I" NO. 2H  
SECTION 9-33S-40W  
MORTON COUNTY, KANSAS

API#15-129-21343-0001

FORMATION

TOP

B. STONE CORRAL	1514
CHASE	2214
COUNCIL GROVE	2491
TOPEKA	3174
TORONTO	3690
LANSING	3787
MARMATON	4462
CHEROKEE	4620
MORROW	5054
MORROW "D"	5208
L. MORROW SANDS	5358
MORROW-KEYES	5562
ST. GENEVIEVE	5630
ST. LOUIS	5787
TD	5950

RECEIVED  
STATE CORPORATION COMMISSION

MAR 12 1995

CONSERVATION DIVISION  
WICHITA, KANSAS

# ORIGINAL

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

WELL NAME: U.S.A. LOW I-2  
SECTION 9-33S-40W  
MORTON COUNTY, KANSAS

API#15-129-21343-0001

COMMENCED: SEPTEMBER 30, 1994

COMPLETED: OCTOBER 11, 1994

OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	1049	Sand & Redbed	Ran 37 jts of 24#
1050	1243	Glorietta Sand	8 5/8" csg set @
1244	2652	Redbed & Shale	1521'; w/550 SX of
2653	5950	Lime & Shale	50/50 Pozmix; 4% Gel; 1/4# SX Floceal; Tailed w/250 SX Class H; 2% CC; 1/4# ex Floceal; Plug down at 9:30 a.m. on 10/02/94.

Ran 61 jts 5 1/2" 15.5#, Set @ 2614'; w/125 SX HLC;  
6% Gel; 3/4% CFR-3; Tailed w/125 SX Class H; 10% EA-2;  
10% Salt; 3/4% Halad 322; 1/4# SX Flocele; Plug down  
at 10:00 a.m., on 10/12/94

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  
)records of this office.

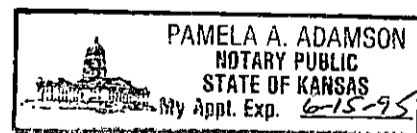
COUNTY OF SEDGWICK

NORSEMAN DRILLING, INC.

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

Subscribed & sworn to before me this

October 17, 1994



My Appointment Expires:

June 15, 1995

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



HALLIBURTON

ORIGINAL

DATE 10-02-94 PAGE NO.

JOB LOG FORM 2013 R-4

CUSTOMER Anadarko WELL NO. 2 LEASE USA Low "I" JOB TYPE Surface TICKET NO. 635602

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0030							Called out
	0330							on Loc Drilling
	0410							Pull Drill piped collars
	530							Run casing
	0800							Hook To circulate
	0815							circulating To PIT
	0825							Hook To Truck
	0830	6	138				0-200	Pump Lead Cement
	0853	6	47				200-150	Pump Tail Cement
	0900							Shut down Drop plug
	0908	6	88				0-500	Pump Displacement
	0921	2	6				500	Slow Rate
	0925						500-1000	Bump Plug Float Held
								Job Ended
								Thank you for calling Halliburton Energy

RECEIVED STATE CORPORATION COMMISSION MAR 21 1995 WICHITA, KANSAS DIVISION



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Midcontinent  
Liberal

BILLED ON TICKET NO. 635602

## WELL DATA

FIELD \_\_\_\_\_ SEC. 9 TWP. 335 RING. 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	<u>W</u>	<u>24</u>	<u>8 7/8</u>	<u>G1</u>	<u>1542</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**

## JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Reg 8 7/8</u>	<u>1</u>	
CENTRALIZERS <u>8 7/8 S4</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>SW</u>	<u>1</u>	
HEAD		
PACKER		
OTHER <u>Weld A</u>		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-2-94</u>	DATE <u>10-2-94</u>	DATE <u>10-2-94</u>	DATE <u>10-2-94</u>
TIME <u>0030</u>	TIME <u>0330</u>	TIME <u>0810</u>	TIME <u>0925</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R Crist</u>	<u>40076 PU</u>	<u>Liberal</u>
<u>D Tate</u>	<u>75374 RCM</u>	<u>11</u>
<u>E.0568</u>	<u>4515 Bulk</u>	<u>M490704</u>
<u>D Hamilton</u>	<u>7620 Bulk</u>	<u>11</u>
<u>G3090</u>	<u>5303 Bulk</u>	<u>11</u>
<u>J Frost</u>		
<u>G 9775</u>		
<u>J Widner</u>		
<u>G 3525</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. \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT Cement  
DESCRIPTION OF JOB Cement Surface Casing  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
CUSTOMER REPRESENTATIVE X John Snow  
HALLIBURTON OPERATOR Ronald Crist COPIES REQUESTED 2

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>550</u>	<u>50/50 Poz "H"</u>		<u>B</u>	<u>4% Total Gel 2% CC</u>	<u>1041</u>	<u>13.6</u>
	<u>350</u>	<u>"H"</u>		<u>B</u>	<u>2% CC</u>	<u>1006</u>	<u>16.4</u>

## PRESSURES IN PSI

## SUMMARY

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 42 REASON Shoe Joint

PRESLUSH: BBL.-GAL. \_\_\_\_\_  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. \_\_\_\_\_  
CEMENT SLURRY: BBL.-GAL. 138 LC, 47 TC  
TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

## REMARKS

Circulated 15 Barrels Cement to Pit 60 SKS

STATE RECORD CORPORATION COMMISSION

REC'D MAR 11 2 1995

CUSTOMER Avadarho  
LEASE USA Low 11"  
WELL NO. A-2  
JOB TYPE Surface  
DATE 10-2-94

made in writing  
77056



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 635602

FORM 1911 R-10

5 PLC

CUSTOMER APC

WELL USA Low I

DATE 10-2-94

PAGE OF

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M			
504-043	516.00272				Premium Cement	200	sk	10.61	2122.00	
504-131					Premium 50/50 Poz	550	sk			
504-043	516.00272				Premium Cement	275	sk	10.61	2917.75	
506-105	516.00286				Pozmix A	20350	lh	0.074	1505.90	
506-121	516.00259				Gel 2%	9	sk		NC	
507-277	516.00259				Add Gel 2%	9	sk	18.60	167.40	
509-406	890.50812				Calcium Chloride 2%/800sk	14	sk	36.75	514.50	
					SERVICE CHARGE	CUBIC FEET		828x 846	1.35	1142.10
500-207				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	95	724.96	
500-306					72,678	21	763.12			

ORIGINAL

STATE COMMISSION  
MAR 0 9 1995

No. B 262959

CONTINUATION TOTAL

9094.61



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: *Awadarko P.T. Co.*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET *cup*

No. 635602 - 0

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Hubert</i>	WELL/PROJECT NO. <i>A-2</i>	LEASE <i>USA Low 'I'</i>	COUNTY/PARISH <i>Martin</i>	STATE <i>K</i>	CITY/OFFSHORE LOCATION	DATE <i>10-2-94</i>	OWNER <i>Awadarko</i>
2. <i>Hubert</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Novos</i>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <i>Loc / Hubert</i>	ORDER NO.
3.	WELL TYPE <i>02</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-117</i>		1			MILEAGE		42	mi		2.75	115.50
<i>001-016</i>		1			<i>Pump Change</i>		1542	ft			1320.00
<i>120</i>	<i>806 207</i>	1			<i>Canada</i>		1	ea			216.00
<i>24A</i>	<i>815 1942</i>	1			<i>Inspect Shot</i>		1	ea			171.00
<i>27</i>	<i>815 1945</i>	1			<i>Filling</i>		1	ea			55.00
<i>4</i>	<i>806 1048</i>	1			<i>centralizer</i>		3	ea		65.00	195.00
<i>320</i>	<i>806 70060</i>	1			<i>BUCKET</i>		1	ea			1.22
<i>350</i>	<i>890-10802</i>	1			<i>weld A</i>		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 Hubert*

DATE SIGNED: *10-2-94* TIME SIGNED: *0930*

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK DEPTH  
 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: *2209.00*  
 FROM CONTINUATION PAGE(S): *9094 61*  
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: *11303 61*

**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): *Hubert*  
 CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *X Hubert*  
 HALLIBURTON OPERATOR/ENGINEER: *Ronald Co. J. P. 10/3*  
 EMP #:  
 HALLIBURTON APPROVAL:





JOB LOG HAL-2013-C

CUSTOMER Anadarko Pct, WELL NO. I-2 LEASE USA Low JOB TYPE 035 52 TICKET NO. 635468

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	23:00							Called out Ready 03:00
	02:15							ON hoc Rig on lay Down P.P.
	04:00							lost lights on Rig
	04:15							Back on line
	06:45							Start 5 1/2 CSG in Hole
								TD CSG Hook-up cir w Rig Pump
								ORIGINAL
	09:15	4	10	2		150		28 KCh H2O
	"	"	30	"		"		mud Plush
	"	"	10	"		"		28 KCh H2O
	09:28	6	46.7	"		"		125 SK HHC P+
	"	6	34	"		200		125 SK Expanding CMT "C"
	09:42	—				—		Stop Wash-up to P.H
	"	—				—		Drop 5-w Plug
	09:44	7 1/2		2		150		Start Displ w H2O
	"	"	33	"		400		
	"	"	58	"		800		
	10:00	2	61.5	1		800		Plug Down float Holding
						0		Release Back Psi

RECEIVED  
STATE CORPORATION COMMISSION  
MAR 02 1995  
CONSERVATION DIVISION  
WIGHT & WIGHT

Thank you Time Crew

FIELD \_\_\_\_\_ SEC. 9 TWP. 33 RING. 40 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 Chem MUD WT. 9.0  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH 5950

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	RB	2628	1500
LINER						
TUBING						
OPEN HOLE			7 3/8	S.P.	5950	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-11-94	DATE 10-12-94	DATE 10-12-94	DATE 10-12-94
TIME 23:00	TIME 02:15	TIME 09:15	TIME 10:30

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5 1/2</u>	<u>1</u>	<u>HES</u>
PEAK SHOE <u>Pill-up</u>	<u>1</u>	<u>HES</u>
GUIDE SHOE <u>HES</u>	<u>1</u>	<u>HES</u>
CENTRALIZERS <u>S-A</u>	<u>14</u>	<u>HES</u>
BOTTOM PLUG		
TOP PLUG <u>S-W</u>	<u>1</u>	<u>HES</u>
HEAD <u>QPCPC</u>	<u>1</u>	<u>HES</u>
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. \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
T Bohannon	40076 P.O.	Liberal KS
N Tate	37748	" "
D Hamilton	52823 75374 P.	" "
	4673 4513	Hugoton KS

ORIGINAL

DEPARTMENT 5001  
DESCRIPTION OF JOB 035

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

CUSTOMER REPRESENTATIVE X Tim Bohannon

HALLIBURTON OPERATOR Tim Bohannon COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	125	Prem + LT	C	B	2% cc, 1/4 3K floccle	2.11	12.2
2	125	Prem +	C	B	10% SA-2, 1% cc, 1/2 3K floccle - 322 15% salt, 1/4 3K floccle	1.53	15 gal

**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 43 REASON shoe off

**SUMMARY**

VOLUMES  
PRESLUSH: BBL-GAL. 10 30 10 TYPE 2% KCl 4 1/2 mod flush  
LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 41.5  
CEMENT SLURRY: BBL-GAL. 46.7 + 34  
TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

**REMARKS**

CUSTOMER Anadarko Pet. Corp. LEASE USA Low WELL NO. T-2 JOB TYPE 035 DATE 10-12-94