

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 129-21,261-00-00 ORIGINAL

County MORTON

SW - SW - NE - NE Sec. 8 Twp. 33S Rge. 40 EW

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

1250 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 USA LOW "A" Well # 10H**

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3276.2 KB 3287.2

Total Depth 2488 PBDT 2464

Amount of Surface Pipe Set and Cemented at 759 Feet

Multiple Stage Cementing Collar Used? Yes X 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 JH 3-22-95
(Data must be collected from the Reserve Pit)

Chloride content 2,700 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name OCT 26 1995

Lease Name License No. 1

Quarter Sec. Twp. S Rng. E/W

County Docket No. AUG 25

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P.O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: PANHANDLE EASTERN PIPELINE COMPANY

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING, INC.

License: 3779

Wellsite Geologist: NA

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

X 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 PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

5/16/94 5/8/94 11/20/94**

Spud Date Date Reached TD Completion Date

**FINAL COMPLETION.

RELEASED

FROM CONFIDENTIAL

CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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

Signature Leslie I. Barnes

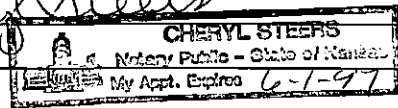
LESLIE I. BARNES

Title SENIOR TECHNICAL ASSISTANT Date 11/28/94

Subscribed and sworn to before me this 28th day of November, 1994.

Notary Public Cheryl Steers

Date Commission Expires



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Form ACO-1 (7-91)

Rec'd 8-26-94

Property of Ks Corp Comm

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA LOW "A" Well # 10H
 Sec. 8 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.)

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 B. CIMARRON 1503
 KRIDER 2252
 WINFIELD 2300
 TOWANDA 2360
 FT. RILEY 2396

List All E.Logs Run: COMPENSATED SPECTRAL GAMMA
DUAL INDUCTION
MSG CEMENT BOND
DUAL-SPACED NEUTRON

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	759	75/25 POZMIX CLASS "H"	340/150	2%CC, 1/4# SX FLOC
PRODUCTION	7 7/8	5 1/2	15.5	2488	CLASS "C"	140/40	20%DCD, 2%CC, 1/4# SX FLOCELE, 10%DCD
					CLASS "C"		2%CC, 1/4# SX FLOC

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	2300-2310, 2252-2262	ACIDIZE W/1000 GALS 15% FEHCL	2252-2310
		FRAC W/30,700 GALS 30# LINEAR GELLED 2% KCL WTR & 107,600# 16/30 SAND	2252-2310

TUBING RECORD Size 2 3/8 Set At 2341 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 11/15/94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil -- Bbls. Gas 104 Mcf Water 26 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 2252-2310 OA
 Production Interval Other (Specify) _____

Property of Ks Corp Comm

ORIGINAL

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

WELL NAME: USA LOW A-10H
SECTION 8-33S-40W
MORTON COUNTY, KANSAS

NOV

COMMENCED: MAY 5, 1994

AUG 2 3

COMPLETED: MAY 9, 1994

CONFIDENTIAL

OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	1119	Sand & Redbed	Ran 18 jts of 24#
1120	1264	Glorietta Sand	8 5/8" csg set @
1265	2120	Redbed	759'; w/140 SX of
2121	2488	Lime-Shale	Class C; 20% Diacel
RELEASED			D; 2% CC; 1/4# SX
OCT 2 6 1995			Floceal; Tailed with
FROM CONFIDENTIAL			40 SX Class C; 10%
			Diacel D; 2% CC;
			1/4# Floceal; Plug
			down 9:30 a.m.
			05/06/94.

Ran 68 jts. 5 1/2" 15.50#, Set @ 2488'; Cement w/140 SX Class C; 20% Diacel D; 2% CC; 1/4# Floceal; Tailed w/40 SX Class C; 10% Diacel D; 2% CC; 1/4# Floceal; Plug down @ 3:15 p.m. on 05/09/94.

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.

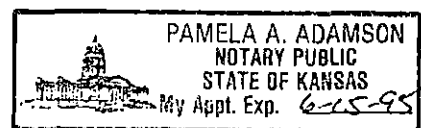
COUNTY OF SEDGWICK

NORSEMAN DRILLING, INC.

James P. Reilly
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

May 11, 1994



My Appointment Expires:

June 15, 1995

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

RECEIVED
STATE COPY

AUG 2 6 1994

CONSERVATION DIVISION
WICHITA, KANSAS

DATE **5-9-94**

CUSTOMER **LANDAKO** WELL NO. **10H** LEASE **USA LOW A** JOB TYPE **5 1/2 L.S.** TICKET NO. **574048**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							Calloc
	1320	5	0				300	START KCL WATER
	1322	5	10				300	FINISH " "
	1322	5	0				300	START MUD FLUSH
	1328	5	30				300	FINISH " "
	1329	5	0				300	START KCL WATER
	1331	5	10				300	FINISH " "
	1332	5	0				300	START CEMENT
	1348	5	2.2				100	FINISH CEMENT
	1349							WASH PEL
	1403	5	0				100	START TO DSP
	1412	3	47				500	STOP PIT
	1415	3	57.5				1000	LAND AIG
	1415							CHECK FLOAT

RELEASED

AUG 2 6 1995

AUG 2 3

CONFIDENTIAL

FROM CONFIDENTIAL

HALLIBURTON

NO B 255036

RECEIVED
STATE CORPORATION

AUG 2 1995

CONSERVATION

WELL DATA

FIELD _____ SEC 8 TWP. 33S RING. 40W COUNTY MONTON STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>15.5</u>	<u>5 1/2</u>	<u>118</u>	<u>2500</u>	
LINER							
TUBING							
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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 _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>FAISE 5 1/2</u>	<u>1</u>	<u>Houma</u>
FLOAT SHOE <u>Fill 1320</u>	<u>1</u>	
GUIDE SHOE <u>116 5 1/2</u>	<u>1</u>	
CENTRALIZERS <u>5-4 5 1/2</u>	<u>13</u>	
BOTTOM PLUG		
TOP PLUG <u>SW 5 1/2</u>	<u>1</u>	
HEAD <u>FE 5 1/2</u>	<u>1</u>	
PACKER <u>WLLDA 1LB</u>	<u>1</u>	<u>✓</u>
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. 1000 IN.

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN.

GELLING AGENT TYPE _____ GAL.-LB. AUG 2 5 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 _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-9</u>	DATE <u>5-9</u>	DATE <u>5-9</u>	DATE <u>5-9</u>
TIME <u>0630</u>	TIME <u>1130</u>	TIME <u>1320</u>	TIME <u>1415</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>CAPIENITZ</u>	<u>41295 PU</u>	<u>PANAMA</u>
<u>68914</u>		
<u>BURKLOW</u>	<u>75522</u>	<u>PANAMA</u>
<u>68903</u>	<u>75124</u>	
<u>MCLANE</u>	<u>6610 30A</u>	<u>MONTON</u>
<u>6360</u>	<u>5302</u>	

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

DEPARTMENT COMBAT

DESCRIPTION OF JOB 2 1/2 5 1/2 C.S.

JOB DONE THRU TUBING CASING ANNULUS TETRA ANN

CUSTOMER REPRESENTATIVE X Terry Sp...

HALLIBURTON OPERATOR L. CAPIENITZ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD (CU FT/CK)	MIXED (LB BR/GAL)
<u>1</u>	<u>140</u>	<u>Panama AHS</u>	<u>Houma</u>	<u>5</u>	<u>10% Duroc 2700 MFCURE</u>	<u>2.69</u>	<u>12</u>
<u>2</u>	<u>80</u>	<u>" "</u>	<u>" "</u>	<u>5</u>	<u>10% Duroc 2700 MFCURE</u>	<u>2.09</u>	<u>13</u>

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 28 REASON SHOE JOINT

SUMMARY

VOLUMES

PRESLUSH (BBL) 3.0 TYPE MUDFIL

LOAD & BRON (BBL) _____

TREATMENT (BBL) _____

CEMENT SLURRY (BBL) 62

TOTAL VOLUME (BBL) _____

STATE CORPORATION COMMISSION

REMARKS

AUG 26 1994

CONSERVATION DIVISION WICHITA KANSAS

LEASE USA 1002 A
 WELL NO. 104
 JOB TYPE 5 1/2 C.S.
 DATE 5-9-94



CHARGE TO: **ANADARKO PETROLEUM CORP**
 ADDRESS: **ORIGINAL**
 CITY, STATE, ZIP CODE

COPY

TICKET

No. 574048 - 2

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS 1. LIBERAL TX	WELL/PROJECT NO. 10H	LEASE VISA LOW "A"	COUNTY/PARISH MEXICO	STATE TX	CITY/OFFSHORE LOCATION	DATE 5-9-94	OWNER SAME
2. LIBERAL TX	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR NOISEMAN DRILL	RIG NAME/NO. Z	SHIPPED VIA W	DELIVERED TO LOCATION	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035 5 1/2 C.S.	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION LIBERAL TX	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE		AMOUNT
		LOC	U	ACCT		QTY	U/M	PRICE	PRICE	
200-117					MILEAGE	176	100	2.75		275.00
201-016					DUMP CHG	1	2500	1395.00		1395.00
218-315		RELEASED		1995	MID FEESH	1260	64	65		819.00
230-016					5 1/2 IN PLUG	1	EA	60.00		60.00
12A	825.205				5 1/2 REG GUIDESHOE	1	EA	121.00		121.00
24A	815.19215				5 1/2 IN INJECT. FEED VALVE	1	EA	110.00		110.00
27	815.19313				FILL ASSY	1	EA	55.00		55.00
40	807.93022				5 1/2 S-4 CENTRALIZERS	13	EA	44.00		572.00
350	890.10802				WELD A	14	EA	14.50		14.50
314-153					CLAY FIXT	4	EA	24.00		96.00

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 X Terry Lewis DATE SIGNED _____ TIME SIGNED _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<input checked="" type="checkbox"/> SURVEY <input type="checkbox"/> AGREE	<input type="checkbox"/> UN-DECIDED	<input type="checkbox"/> DIS-AGREE	PAGE TOTAL 3503 FROM CONTINUATION PAGE(S) 4043 35 7546 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
	TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.			
CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) Terry Lewis	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X Terry Lewis	HALLIBURTON OPERATOR/ENGINEER EMP #	HALLIBURTON APPROVAL

4698.52

HALLIBURTON ENERGY SERVICES

CUSTOMER: Anadarko Petroleum Corp
 WELL: USA Low "A"
 DATE: 5-9-94
 PAGE: _____ OF _____

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOG	ACCT	DF								
504-050	516.00265				Premium Plus Cement	180	sk			10 36	1,864	80
507-210	890.50071				Flocele B/ 1/2 W/ 180	45	lb			1 65	74	25
500-959	50.15524				Diacel "D" B/ 20% W/ 140 10% W/ 40	3,000	lb			42	1,260	00
509-200	890.50872				Calcium Chloride B/ 2% W/ 180	4	sk			36 75	147	00
RELEASED OCT 2 6 1995 FROM CONFIDENTIAL AUG 2 5 CONFIDENTIAL												
500-207					SERVICE CHARGE			CUBIC FEET		367	1 35	495 45
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES				
						20,236	21	212.478		95	201	85

RECEIVED
 STATE CORPORATION COMMISSION
 AUG 2 6 1994
 CONSERVATION DIVISION
 WICHITA, KANSAS

No. B 255036

CONTINUATION TOTAL 4043.35

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.	LEASE	JOB TYPE	TICKET NO.
		10-11	10-11	Surface	677526
CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PRESSURE (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	0930				Called out
	0730				on loc out of Hole
	0840				Casing on Bottom
	0843				Hookup To Circulate
	0845				Circulating To Pit
	0900				Stop Circulating Hook To TRK
	0905	6	73.27	200	START LEAD CONT
	0917	5.6	28.31	200	START TAIL CONT
	0919				Drop Plug
	0923	2.7	46.2	0	START Pump Wash Pump & Lines
	0940	2	9	250	Pumped 48 1/2 BBL Did not LWD
	0941				Released Back Float Holding
	0943	1/2	1	275	Pumped 1 BBL Did not LWD
	0945				Released Back Float Holding
RELEASED					KOL
AUG 26 1995					AUG 25
This is Confidential FROM CONFIDENTIAL Halliburton Robert E. Craig					CONFIDENTIAL
RECEIVED					CORPORATION COMMISSION
AUG 26 1994					DOW DIV
FIELD OFFICE					WICHITA KANSAS

WELL DATA

FIELD _____ SEC 8 TWP. 33 S. RING. 40 N. 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	2 1/2	K.O.	756.45	
LINER						
TUBING						
OPEN HOLE			12 1/4	6-1	7600	GHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-6-94</u>	DATE <u>5-6-94</u>	DATE <u>5-6-94</u>	DATE <u>5-6-94</u>
TIME <u>04:00</u>	TIME <u>07:20</u>	TIME <u>09:00</u>	TIME <u>09:45</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSER W/FILL</u>	<u>1</u>	<u>HONGCO</u>
FLOAT SHOE		
GUIDE SHOE <u>TK PAT.</u>	<u>1</u>	
CENTRALIZERS <u>S. 4.</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>S-WIPER</u>	<u>1</u>	
HEAD <u>Q&Q</u>	<u>1</u>	
PACKER <u>COT BASKET</u>	<u>1</u>	
CONNER <u>WEIR R</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. EDWARD</u>	<u>40075</u>	<u>Leasor Ks</u>
<u>R. CREST</u>	<u>4903</u>	<u>"</u>
<u>M. LEWIS</u>	<u>50737</u>	<u>Hughes Wells</u>
<u>D. McLAUGHLIN</u>	<u>4734 (B)</u>	<u>"</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. _____

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 _____

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CMT

DESCRIPTION OF JOB 9 3/8 SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Terry Dennis

HALLIBURTON OPERATOR Robert Edward COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK BACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
	<u>340</u>	<u>75/85 Pac</u>		<u>6</u>	<u>220 C.C., 1/4" #10 Floc 10</u>	<u>1.21</u>	<u>15.3</u>
	<u>150</u>	<u>Premium</u>	<u>H</u>	<u>6</u>	<u>220 C.C., 1/4" #10 Floc 10</u>	<u>1.06</u>	<u>16.4</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: EBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: EBL.-GAL. _____ PAD: EBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: EBL.-GAL. _____ DISPL. EBL.-GAL. 46.2

SHUT-IN INSTANT _____ 5-MIN _____ 10-MIN _____ CEMENT SLURRY: EBL.-GAL. 73 + 28

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: EBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET 42.05 REASON SPOE JOINT

REMARKS DO NOT LAKE PLUG

CUSTOMER APPROVAL P.1 CONT. LEASER U.S. 8 601 8 JOB TYPE 9 3/8 SURFACE DATE 5-6-94

ORIGINAL

RELEASED

FROM CONFIDENTIAL

CONFIDENTIAL

AUG 23