

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

ORIGINAL

API NO. 15- 129-21,295

County MORTON

NE - NE - SW - SE Sec. 26 Twp. 33S Rge. 41 X W

1250 Feet from SX (circle one) Line of Section

1400 Feet from EX (circle one) Line of Section

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

Lease Name USA "AP" Well # 1H

Field Name HUGOTON

Producing Formation KRIDER

Elevation: Ground 3350.2 KB 3359

Total Depth 2513 PBDT 2458

Amount of Surface Pipe Set and Cemented at 773 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 Q 2 5-16-95
(Data must be collected from the Reserve Pit)

Chloride content 36,695 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.

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: NORSEMAN DRILLING, INC.

License: 3779

Wellsite Geologist: NA

Designate Type of Completion
X New Well Re-Entry Workover

 Oil SWD SLOW Temp. Abd.
 Gas ENHR X 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.

7/7/94 7/10/94 9/27/94
Spud Date Date Reached TD Completion Date

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 10/17/94

Subscribed and sworn to before me this 17th day of October, 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)

RECEIVED Form ACO-1 (7-91)
KANSAS CORPORATION COMMISSION

OCT 24 1994

CONSERVATION DIVISION
WICHITA, KS

PI

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA "AP" Well # 1H

Sec. 26 Twp. 33S Rge. 41 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 1482
 KRIDER 2188
 WINFIELD 2250
 TOWANDA 2276
 FT. RILEY 2340

List All E.Logs Run: **COMPENSATED SPECTRAL GAMMA
 HIGH RESOLUTION INDUCTION
 MICRO
 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	773	75/25 POZMIX/ CLASS "H"	340/150	2%CC, 1/4#SX FLOC, 2%GEL/2%CC, FLOC
PRODUCTION	7 7/8	5 1/2	15.5	2510	PREMIUM PLUS/ PREMIUM PLUS	230/100	HLC, 2%CC, 1/4#SX FLOC/10#SX MICRO BOND, .6%HALAD 322 15%SALT, 1%CC, 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	2153-58, 2191-2196	ACIDIZE W/500 GALS 15% FEHCL	2191-2196
		FRAC W/19,660 GALS 25# LINEAR GELLED 2% KCL WTR & 46,600# 16/30 SD (IN FORMATION)	2191-2196

TUBING RECORD Size NONE Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. SI WAIT ON PIPELINE Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil -- Bbls. Gas 400 Mcf Water -- Bbls. Gas-Oil Ratio -- Gravity --

Disposition of Gas: METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2191 - 2196
 (If vented, submit ACO-18.) Other (Specify) _____

ORIGINAL

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

WELL NAME: USA AP-1H
SECTION 26-33S-41W
MORTON COUNTY, KANSAS

COMMENCED: JULY 7, 1994

COMPLETED: JULY 11, 1994

API# 15-129-21295

OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	1084	Sand & Redbed	Ran 19 jts of 24# 8 5/8" csg set @ 773'; w/340 SX of 75/25 pozmix; 2% CC; 1/4# SX Floceal; Tailed with 150 SX Class H; 2% CC; 1/4# Floceal; Plug down 10:45 p.m. 07/07/94.
1085	1200	Glorietta Sand	
1201	2513	Redbed	

Ran 58 jts. 5 1/2" 15.50#, Set @ 2510'; Cement w/230
SX Premium; 2% CC; 1/4# Floceal; Tailed w/100 SX
Premium; 10# micro bond; .06% Halad 322; 16% Salt; 1%
CC; 15# salt; 1/4# SX Floceal; Plug down @ 5:30 a.m.
on 07/11/94.

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

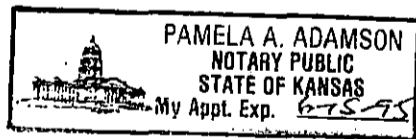
NORSEMAN DRILLING, INC.

James P. Reilly

JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

July 13, 1994



My Appointment Expires:

June 15, 1995

Pamela A. Adamson

Pamela A. Adamson, Notary Public

340 Seville
Wichita, KS 67209

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 24 1994

Wichita, KS 67209



ORIGINAL

JOB LOG FORM 2013 R-4

DATE: 7-7-94 PAGE NO. 1

CUSTOMER: Anadarko WELL NO: 1-H LEASE: USA A-P JOB TYPE: Surface TICKET NO: 672698

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1730							called out
	2045							on location circulating on bottom
	2147							hook iron to circulate
	2150							circulation to pit
	2205							hook to truck
	2210	6	76			0-250		Pump lead cmt 15.3 gpg
	2223	6	28			250		Pump tail cmt 16.4 gpg
	2228							Shut down drop plug
	2230	6	37.5			0-250		Pump displacement
	2236	2	10			250-500		slow rate
	2241					500-1000		Bump Plug float held
								Job End

Thank you For Calling Halliburton Energy

RECEIVED KANSAS CORPORATION COMMISSION

OCT 24 1994

CONSERVATION DIVISION WICHITA, KS



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MIDCONT

Liberal 155

BILLED ON TICKET NO. 672698

WELL DATA

FIELD USA A-P SEC 26 TWP. 33 RNG. 41 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	8.58	KB	773	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 7-7-94	DATE 7-7-94	DATE 7-7-94	DATE 7-7-94
TIME 1730	TIME 2045	TIME 2145	TIME 2250

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert w/RII</u>	<u>1</u>	<u>H</u>
FLOAT SHOE		
GUIDE SHOE <u>TEXAS PAT 8 5/8</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>3-4 8 7/8</u>	<u>8</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG	<u>1</u>	
HEAD		<u>C</u>
PACKER <u>8 5/8 Basket</u>	<u>1</u>	
OTHER <u>1 Round weld A</u>	<u>1</u>	<u>O</u>

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>R. Crist</u>	<u>40075</u>	<u>Liberal</u>
<u>D. Neifert</u>	<u>52938</u>	
<u>E 1591</u>	<u>2848</u>	<u>1)</u>
<u>C. Cornelson</u>	<u>52827</u>	
<u>G 2569</u>	<u>75827</u>	<u>HUGOTON</u>
<u>J WIDNER</u>	<u>3625</u>	
<u>G 3525</u>	<u>5303</u>	<u>11</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT SURFACE PIPE
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X John Shinn
 HALLIBURTON OPERATOR Ronald Crist COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>340</u>	<u>75/25 P02</u>		<u>B</u>	<u>2% EG 1/4" Flacole 2% TOTAL Gel</u>	<u>1.25</u>	<u>15.3</u>
<u>2</u>	<u>150</u>	<u>"H"</u>		<u>B</u>	<u>2% SG 1/4" Flacole</u>	<u>1.06</u>	<u>16.4</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT 47.5 PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATING: BBL.-GAL. _____ DISPL. BBL.-GAL. 47.5
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ KANSAS CORPORATION COMMISSION
 HYDRAULIC HORSEPOWER _____ CEMENT SLURRY: BBL.-GAL. 70.66, 28.76
 ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL.-GAL. _____
 AVERAGE RATES IN BPM _____ OCT 24 1994
 TREATING _____ DISPL. _____ OVERALL _____ REMARKS _____
 CEMENT LEFT IN PIPE _____ CONSERVATION DIVISION
 FEET 48 REASON Shoe Joint

CUSTOMER: AMARCO PET
LEASE: USA A-P
WELL NO: 1-H
JOB TYPE: SURFACE
DATE: 8-7-94



CHARGE TO: Anderson Petroleum Co.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

COPY

TICKET UB

No. 677698 - X

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS 1. <u>1-14</u>	WELL/PROJECT NO. <u>1-14</u>	LEASE <u>1120 A.P.</u>	COUNTY/PARISH <u>Martin</u>	STATE <u>MS</u>	CITY/OFFSHORE LOCATION	DATE <u>7-7-94</u>	OWNER <u>Anderson Co.</u>
2. <u>2</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>#2</u>	SHIPPED VIA	DELIVERED TO <u>Anderson Co.</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION <u>26.33, 41 Martin</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
		1			MILEAGE	6.5	mi			2.75	165.00
901-016		1			Pump Change	773	FT				890.00
16 A	834-274	1			Toe Pat Guide S...	2	5/8" dia	1	50		161.00
24 B	815-19502	1			insert	1	3/4" dia	1	50		1.70
27	815-19415	1			Fill up assy	1	2 1/2"	1	50		55.00
40	806-70060	1			Centrifuges	8	3/4"	8	50	55.00	520.00
320	806-70060	1			Bucket	1	3/4"	1	50		122.00
350	806-10802	1			weld A	1	1/2"	1	50		14.00
23-016		1			S wiper P...	8	5/8" dia	1	50		130.00

RECEIVED
 KANSAS CORPORATION COMMISSION
 OCT 24 1994
 CONSERVATION DIVISION

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 <u>X</u>	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input checked="" type="checkbox"/> RUN			AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2228.50	
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	1			FROM CONTINUATION PAGE(S)	6441.20	
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	1					
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	1					
DATE SIGNED <u>7-7-94</u>	TIME SIGNED <u>1:25</u>	<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered			TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	8669.70	
						<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u>	HALLIBURTON OPERATOR/ENGINEER <u>Ronald Crist</u>	EMP # <u>0-7657</u>	HALLIBURTON APPROVAL
---	--	--	------------------------	----------------------

in writing by a...
7056.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

32 m6

TICKET No. 677698

FORM 1911 R-10

CUSTOMER ANADARKO PETROLEUM CORP.	WELL USA A-P 1-H	DATE 07-07-94	PAGE OF
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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		
504-043	516.00272				Premium Cement 340 C.F. 25/75 Premium Pozmix Cem.	150	sk			9.82	1473.00
504-043	516.00272				Premim Cement	255	sk			9.82	2504.10
506-105	516.00286				Pozmix A	6290	lb			.074	465.46
507-277	516.00259				Halliburton Gel Added 2%W/ 340	6	sk			18.60	111.60
507-210	890.50071				Flocele 1/4#W/ 490	123	lb			1.65	202.95
509-406	890.50812				Calcium Chloride 2%W	9	sk			36.75	330.75
500-207					SERVICE CHARGE			CUBIC FEET	519	1.35	700.65
500-306					MILEAGE CHARGE	TOTAL WEIGHT	45,803	LOADED MILES	30	TON MILES	687.045
										95	652.69

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 24 1994
CONSERVATION DIVISION
WICHITA, KS

No. B 262661

CONTINUATION TOTAL 6441.20

JOB LOG FORM 2013 R-4

 CUSTOMER ANADARKO PETR. WELL NO. 1-H LEASE USA-AP JOB TYPE 5 1/2" LONG STRING TICKET NO. 677665

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							JOB READY
	1630							CALLED OUT FOR JOB
	1900							PUMP TRUCK ON LOCATION RIG LAYING DOWN DRILL PIPE SET UP PUMP TRUCK D.P LAYED DOWN
	2000							START RUNNING 5 1/2" CSG + FLOAT EQUIP
	2100							CASING ON BOTTOM 2510'
	2110							HOOK UP P/LG + CIRCULATING IRON START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING
	2125	6.5	10		✓	3000		HOOK UP TO PUMP TRUCK PUMP 10 BBS 2% KCL WATER
			30		✓	300		PUMP 30 BBS mud FLUSH
			10		✓	300		PUMP 10 BBS 2% KCL WATER
		7.5			✓	250		START MIXING LEAD CEMENT SWITCH TO 2ND TARI., PURE BENTONITE INSTEAD OF CEMENT, SHUT DOWN
	2216							HOOK UP TO mud pump CIRCULATE CEMENT + GEL OUT OF HOLE
	2215							ORDER OUT 230 SCS PREMIUM + LIFE + mud FLUSH
	2425							BULK CEMENT ON LOCATION THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
	0100	6.5	10		✓	450		START PUMPING 10 BBS 2% KCL WATER
		6.5	30		✓			PUMP 30 BBS mud FLUSH
		6.7	10		✓			PUMP 10 BBS 2% KCL WATER
	0108	7.0	84.0			275		START MIXING LEAD CEMENT START MIXING TAIL CEMENT THROUGH MIXING CEMENT SHUT DOWN
			26.0					
	0125							RELEASE PLUG / WASH UP TRUCK
	0128	7.0						START DISPLACING
	0138		58		✓	1100		HAVE 58 BBS DISPLACED GETTING GOOD CEMENT RETURNS (CONTINUED)

ORIGINAL

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KANSAS CORPORATION COMMISSION

OCT 24 1994

 CONSERVATION DIVISION
WICHITA, KS

JOB LOG FORM 2013 R-4

DATE 7-11-94	PAGE NO. 1
TICKET NO. 677665	

CUSTOMER ANADARKO	WELL NO. 1-H	LEASE USA-1P	JOB TYPE 5 1/2 LONG STRING	TICKET NO. 677665
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0135						750	SLOW RATE DOWN TO 3-5 BPM
	0136							pumped 64 BBLs PLUG DID NOT LAND SHUT DOWN PLUG WAS NOT RELEASED RIG CREW DRAINED MUD PITS CIRCULATE CEMENT OUT OF HOLE WITH FRESH WATER.
	0155	5.0	48		✓		450	pumped 48 BBLs, LOST CIRCULATION OVER FLUSH VOLUME OF ANNULES 23 BBLs / 77 + 20
	0216		100		✓			pumped 100 BBLs SHUT DOWN WAIT ON WATER + CEMENT BULK TRUCKS ON LOCATION
	0445	5.0	10				275	START PUMPING 10 BBLs WATER AHEAD
	0448	6.5	84.0					START MIXING LEAD CEMENT
	0500	6.8	26.0					START MIXING TAIL CEMENT
	0805							THROUGH MIXING CEMENT SHUT DOWN
	0507	6.0					350	RELEASE PLUG WASH UP TRUCK
	0515		58.0		✓		1500	START DISPLACING PLUG DOWN RELEASE FLOAT FLOAT HELD DID NOT GET CIRCULATION BACK

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 24 1994

CONSERVATION DIVISION
WICHITA, KS

THANK YOU!
Woody Harold, TYCF + CREW



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid CONTINENT
LIBERAL, KS

BILLED ON TICKET NO. 677465

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY MORTON STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 2513

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	KR	2510	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
7-16-94	7-10-94	7-10-94	7-11-94
TIME 1630	TIME 1900	TIME 2125	TIME 0515

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
INSERT 5 1/2	1	HALCO
GUIDE SHOE REG 5 1/2	1	HALCO
CENTRALIZERS S-4 5 1/2	14	4
BOTTOM PLUG		
TOP PLUG S-W 5 1/2	1	" "
HEAD PIC 5 1/2	1	" "
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
W. FOX	40078 P/U	LIBERAL KS
J. WOODROW	52774 P/C	" "
H. TEDDER 56623	87458	" "
J. ADAIR	4449/BULK	HUGOTON KS
D. MCINTYRE D9704	5292/BULK	" "
J. DAVIS F-450	37548 P/U	LIBERAL, KS

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 _____ IN.

FLUID LOSS ADD. TYPE _____ IN.

GELLING AGENT TYPE _____ GAL.-LB. _____ IN.

FRIC. RED. AGENT TYPE _____ IN.

BREAKER TYPE _____ GAL.-LB. _____ IN.

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 5 1/2 production CASING

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

CUSTOMER REPRESENTATIVE X Jim Barlow

HALLIBURTON OPERATOR J. Woodrow

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	230	Premium + LIT	HALCO	B	2 P CC 1/4' FLOPPLE	7.06	12.3
	100	Premium +	"	B	10" MICABOND, .68 UNAD-322, 15% SALT, 1 P CC	1.47	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 41 REASON SHOE JOINT

SUMMARY

PRESLUSH: BBL-GAL. 10 30 10 50

LOAD & BKDN: BBL-GAL. _____

TREATMENT: BBL-GAL. _____

CEMENT SLURRY: BBL-GAL. 84 LC 26 TC

TOTAL VOLUME: BBL-GAL. 110

VOLUMES TYPE RCL MUD FLUSH

PAD: BBL-GAL. _____

DISP: BBL-GAL. 60.2

REMARKS _____

CUSTOMER ANDRANO PETROLEUM
 LEASE USA-AP
 WELL NO. 1-11
 JOB TYPE 5 1/2 LOGS STRUNG
 DATE 7-10-94



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: ANA CLARK
 ADDRESS:
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. **677665 - X**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>025540 11134</u>	WELL/PROJECT NO. <u>1.4</u>	LEASE <u>USA AP</u>	COUNTY/PARISH <u>MORTON</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>WILLIBURTON</u>	DATE <u>7-10-74</u>	OWNER <u>SAME</u>
2. <u>025535 11134</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>NOBLEMAN DRIG-2</u>	RIG NAME/NO.	SHIPPED VIA <u>WELL SITE</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <u>O2 GAS</u>	WELL CATEGORY <u>01 DEVELOPMENT</u>	JOB PURPOSE <u>035 5/1 LONG STRING</u>	WELL PERMIT NO.	WELL LOCATION <u>LAND</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT.	DF.							
000-117		1			MILEAGE	27	M	2	MI	2.75	159.50
000-011		1			PUMP CHARGE	2510	FT			2245.00	2245.00
000-016		1			5 1/2 TOP PLUG	1	VA	5/8	IN	60.00	60.00
000-319		1			MUD FLUSH	1260	GAL			65	819.00
314-113		1			CLAMP FIX II	2	GAL			24.00	48.00
10A	829 203	1			REGULAR GUNDR CHISEL	1	VA	5/16	IN	121.00	121.00
24A	815 19251	1			TUSART FLOAT	1	VA	5/8	IN	110.00	110.00
27	815 19211	1			FILL UP ASSY	1	VA	1.00	IN	55.00	55.00
40	815 60072	1			CENTRALIZER	14	VA			44.00	616.00
330	814 10802	1			HOLES GUNDR A	1	VA	1	LD	14.50	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 Jim Burdow

DATE SIGNED: 7-10-74 TIME SIGNED: 1:00 A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN TRIELED RUN

TYPE LOCK DEPTH
 BEAN SIZE SPACERS
 TYPE OF EQUALIZING SUB. CASING PRESSURE
 TUBING SIZE TUBING PRESSURE WELL DEPTH
 TREE CONNECTION TYPE VALVE

RECEIVED ANSAS CORPORATION COMMISSION OCT 24 1994

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: 4248.00
 FROM CONTINUATION PAGE(S): 5888.42
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 10136.42

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): Jim Burdow CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): X Jim Burdow HALLIBURTON OPERATOR/ENGINEER: JL Worthington EMP #: 62577 HALLIBURTON APPROVAL:

In writing by 7056.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 677665

FORM 1911 R-10

CUSTOMER Anadarko	WELL USA - AP	DATE 7-10-94	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
50 504-043	516.00265				Premium Plus Cement	100	sk			10.36		1036.00	
504-120					Halliburton Light Cement	230	sk			9.28		2134.40	
500-050	516.00265												
506-105	516.00286												
506-121	516.00259												
507-210	890.50071				Flocele	75	LB			1.65		123.75	
507-775	516.00144				Halad-322	56	LB			7.00		392.00	
509-968	516.00315				Granulated Salt	787	LB			.15		118.05	
509-406	890.50812				Calcium Chloride	87	sk			36.75		257.25	
508-112	516.00226				Microbond	1000	LB			.90		900.00	
500-207					SERVICE CHARGE								
500-306					MILEAGE CHARGE								
					TOTAL WEIGHT	33089							
					LOADED MILES	29							
					TON MILES	479.81							
					CUBIC FEET	349				1.35		471.15	
										95		455.82	

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 24 1994

CONSERVATION DIVISION
WICHITA, KS

No. B 262604

CONTINUATION TOTAL 5888.42