

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

License: 3779

Wellsite Geologist: N/A

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 PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

3-12-96 3-21-96 4-8-96

Spud Date Date Reached TD Completion Date

API NO. 15- 189-22057-0000

County STEVENS

- S/2 - SW - SW Sec. 32 Twp. 33 Rge. 38 **E**

330 Feet from X **(S)** (circle one) Line of Section

660 Feet from X **(W)** (circle one) Line of Section

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

Lease Name RATZLAFF "B" Well # 3

Field Name GENTZLER SW

Producing Formation MORROW

Elevation: Ground 3218.7 KB --

Total Depth 6400 PBD 6319

Amount of Surface Pipe Set and Cemented at 1673 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3129 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT I 87 1-16-97
(Data must be collected from the Reserve Pit)

Chloride content 1700 ppm Fluid volume 700 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: NCC

Operator Name _____ **MAY 1 0**

Lease Name _____ License **CONFIDENTIAL**

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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

Signature David W. Kapple

DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 5/13/96

Subscribed and sworn to before me this 3rd day of May

19 96

Notary Public L. Marc Harvey

Date Commission Expires _____

L. MARC HARVEY
Notary Public - State of Kansas
My Appt. Expires 6-13-99

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
CORPORATION COMMISSION _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other (Specify)
RECEIVED
MAY 14 1996

5-14-96 Form ACO-1 (7-91)
CONSERVATION DIVISION
WICHITA, KS

Operator Name ANADARKO PRODUCTION CORPORATION Lease Name RATZLAFF "B" Well # 3

Sec. 32 Twp. 33 Rge. 38 East County STEVENS
 West

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

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log, Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum B/STONE CORRAL 1744 CHASE 2554 COUNCIL GROVE 2886 HEEBNER 4154 LANSING 4288 MARMATON 4984 MORROW 5772 CHESTER 6294
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E.Logs Run: DIL, ML, SONIC, CNL-LDT, SBT-CCL-GR		

CASING RECORD							
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	23	1673	MIDCON 2/ PREM PLIS	350/160	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC
PRODUCTION	7-7/8	5-1/2	15.5	6375	VERSASET	160	.6% HALAD 322, 5%KCL, 1/4#SK FLC .9% VERSASET
			FO TOOL @	3129	MIDCON 2	60	NEAT

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
4	6199-6212' 6219-6226'	NONE	

TUBING RECORD	Size 2-3/8	Set At 6139	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 4-11-96	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production *Per 24 Hours	Oil Bbls. 8	Gas Mcf 2064	Water Bbls. 2	Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

Method of Completion: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 6199-6226 (OA)

WELL DATA
FIELD GENTZLER SEC. 32 TWP. 33S RING. 38W COUNTY STEVENS STATE KS

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ 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 _____

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Includes rows for CASING, LINER, TUBING (N 4.7 2 1/8 GL), OPEN HOLE, PERFORATIONS.

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ORIGINAL

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times for 4-2-96.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY., MAKE. Includes rows for FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, etc.

PERSONNEL AND SERVICE UNITS table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes names C. SMITH and D. McLANE.

MATERIALS section with various fluid and additive type fields. Includes handwritten 'N/A' across several rows.

RELEASED

JUL 31 1997

FROM CONFIDENTIAL

MAY 10 CONFIDENTIAL

DEPARTMENT: CEMENT
DESCRIPTION OF JOB: CEMENT PORT COLLAR + PICKLE TBG. AS PER CUSTOMERS ORDERS
JOB DONE THRU: TUBING, CASING, ANNULUS, TBG./ANN.
CUSTOMER REPRESENTATIVE: X [Signature] Show
HALLIBURTON OPERATOR: CARL L SMITH

CEMENT DATA

CEMENT DATA table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Includes handwritten entry for 60 sacks of P+MIACON.

PRESSURES IN PSI

SUMMARY

VOLUMES

Summary section with fields for CIRCULATING, BREAKDOWN, AVERAGE, SHUT-IN, HYDRAULIC HORSEPOWER, ORDERED, TREATING, FEET. Includes handwritten '0.0' and 'REVERSED OUT'.

RECEIVED KANSAS CORPORATION COMMISSION

SEE JOB LOG

MAY 14 1996

CONSERVATION DIVISION WICHITA, KS

CUSTOMER ANADARKO PETRO LEASE RATZLAFF "B" WELL NO. 3 JOB TYPE CEMENT PORT COLLAR PICKLE TBG DATE 4-2-96



JOB LOG HAL-2013-C

CUSTOMER ANADARKO WELL NO. 3 LEASE RATZLAFF "B" JOB TYPE PICKLE TBG CEMENT PORT COLLAR TICKET NO. 921473

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
4-2-96	0530							CREW + EQUIP CALLED OUT
	0800							CREW + EQUIP ON LOCATION SAFETY MTG + RIG-UP
	0904							TEST TOOL
	0905							TEST HELD
	0910	2	20	X		300		PUMP 20 BBL 1120 DOWN TBG
	0925	3-5						MIX + PUMP LOSS @ 11.1 #/GAL
						425		DISPLACE WITH 11.5 BBL 1120.
								BREAK OFF LET RIG RUN 20 TS
	0950	2	25	X		275		+ START REVERSING 25 BBL TILL CLEAN
	1005							
	1005							RIG RUNNING TBG TO 6200 FT
	1140							PUMP ACID TO PICKLE TBG + REVERSE OUT TILL CLEAN
	1245							RIG-DOWN CREW + EQUIP RELEASED

CONFIDENTIAL

THANK YOU CARL SMITH + CREW

ALL

MAY 1 0

RELEASED

CONFIDENTIAL

JUL 31 1997

FROM CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

MAY 14 1996

CONSERVATION DIVISION WICHITA, KS



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: **ANADARKO PETRO**
 ADDRESS:
 CITY, STATE, ZIP CODE:

DUNCAN COPY

TICKET

No.

921473 - 3

PAGE 1 OF 2

1. 25540	WELL/PROJECT NO. 3	LEASE RATZLAFF B"	COUNTY/PARISH STEVENS	STATE KS.	CITY/OFFSHORE LOCATION	DATE 4-2-96	OWNER SAME
2. 25535	TICKET TYPE SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR BRU	RIG NAME/NO.	SHIPPED VIA C.T. WELLSITE	ORDER NO.	
3.	SALES						
4.	WELL TYPE 01	WELL CATEGORY 02	JOB PURPOSE CCMT PORT COLLAR PICKLE TBG.	WELL PERMIT NO.			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING	DESCRIPTION	QTY.	U/M	QTY.	U/M	AMOUNT
000-117			MILEAGE ON 76900	75	MI RT.			213.75
000-119			CREW MILEAGE ON 94406	75	MI			112.50
009-019			PUMPING SERVICE 6198 FT.	1	TR.	6000-6500	RT	2145.00
201-004			HCL ACID 250 GAL	250	GAL			259.60
300-132			MILEAGE ON ACID UNIT	75	MI			135.00
210-017			HAT- 81M	1	GAL			39.00

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MAY 10 1997

RELEASED JUL 31 1997

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED 4-2-96	TIME SIGNED 0930	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN SURVEY: <input checked="" type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> 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? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	PAGE TOTAL 2865.25 FROM CONTINUATION PAGE(S) 1270.65 4135.90 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
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CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) John Scully	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X John Scully	HALLIBURTON OPERATOR/ENGINEER CARL L SMITH	EMP # 75221	HALLIBURTON APPROVAL
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HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 921473

FORM 1911 R-10

CUSTOMER: Amadco Petroleum Corporation; WELL: Ratzlaff "B" #3; DATE: 04-02-96; PAGE 2 OF 2

Table with columns: PRICE REFERENCE, SECONDARY REFERENCE/PART NUMBER, ACCOUNTING (LOC, ACCT, DF), DESCRIPTION, QTY., U/M, UNIT PRICE, AMOUNT. Includes rows for Midcon Premium Plus Cement, Floccle 1/2" / 60, Calcium Chloride 2 3/4" / 60, and SERVICE CHARGE.

ORIGINAL

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REC'D MAY 10 CONFIDENTIAL

RELEASED APR 31 1997

FROM CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

MAY 14 1996

CONSERVATION DIVISION WICHITA KS

No. B 341532

CONTINUATION TOTAL 1270.65



JOB SUMMARY

DIVISION LIBERAL KS
HALLIBURTON LOCATIONBILLED ON 9/2/55.5
TICKET NO.

WELL DATA

FIELD GAILZLAR SEC 32 TWP. 33 RNG. 38 COUNTY SEMPAWNS STATE KS**CONFIDENTIAL**

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>NU</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>6373</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR <u>EMSOFT</u>	<u>5 1/2</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>FILL UP</u>	<u>"</u>	<u>1</u>	
GUIDE SHOE <u>RAY</u>	<u>"</u>	<u>1</u>	<u>0</u>
CENTRALIZERS <u>SU</u>	<u>"</u>	<u>14</u>	
BOTTOM PLUG			<u>W</u>
TOP PLUG <u>SW</u>	<u>5 1/2</u>	<u>1</u>	
HEAD <u>P.C.</u>	<u>"</u>	<u>1</u>	<u>0</u>
PACKER <u>FATUOI</u>	<u>"</u>	<u>1</u>	
OTHER <u>ISOSEPT</u>	<u>5 1/2</u>	<u>1</u>	<u>0</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-22</u>	DATE <u>3-22</u>	DATE <u>3-23</u>	DATE <u>3-23</u>
TIME <u>1900</u>	TIME <u>2230</u>	TIME <u>0530</u>	TIME <u>0</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. DAVIS</u>	<u>1120042</u>	<u>LIBERAL</u>
<u>F4550</u>	<u>P.W.</u>	<u>KS</u>
<u>M. CROA</u>	<u>52823</u>	<u>"</u>
<u>ED640</u>	<u>75374</u>	<u>"</u>
<u>C. P. CHERRY</u>	<u>51984</u>	<u>HUGO</u>
<u>W. C. HILL</u>	<u>77031</u>	<u>KS</u>

MATERIALS
 TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 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 _____

DEPARTMENT CMT
 DESCRIPTION OF JOB CMT 5 1/2 PROD. CSS
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X. O. J. 1/1/1/1
 HALLIBURTON OPERATOR Joe Davis COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>50</u>	<u>PRAM</u>		<u>B</u>	<u>.9% VERSOFT, .6% HGLD 322, .5% R11</u>	<u>2.34</u>	<u>11</u>
<u>2</u>	<u>110</u>	<u>PRAM</u>			<u>1/4 1/2 F10</u>	<u>1.41</u>	
<u>3</u>	<u>110</u>	<u>PRAM</u>		<u>B</u>	<u>"</u>	<u>1.41</u>	<u>14.5</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 42 REASON Shor Joint

SUMMARY

VOLUMES FYPSL SF FROSL
 PRESUSH (BBL.-GAL) 8 10 8 TYPE H2O
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL (BBL.-GAL) 150.6
 CEMENT SLURRY: BBL.-GAL. _____
 TOTAL VOLUME (BBL.-GAL) 29.75 77.6 T.C.

REMARKS
 KANSAS CORPORATION COMMISSION

MAY 14 1996

CUSTOMER Liberal KS
 LEASE 9/2/55.5
 WELL NO. 3
 JOB TYPE 5 1/2 PROD. CSS
 DATE 3-23-96

JOB LOG HAL-2013-C

CUSTOMER Anadarko	WELL NO. 3	LEASE R0121010 "B"	JOB TYPE 5 1/2 Prod. CSJ	TICKET NO. 921555
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							called out for job.
	2230							on loc. M.Y. L.P.P.
	0000							out of hole with P.
	0101							Start 5 1/2 CSJ & F.E.
	0256							Put F.O. tool on 5" H 78 313944
	0430							CSJ on 50# hook up 5 1/2 P.O. & C.P.
	0440							TRIP TO PIT.
	0441							DRAG LIFE WITH 9 PUMP
								LIFE TO PIT
	0450							M.Y. SUPER FLUSH.
	0530							TRIP LIFE HOSE FROM TO PIT
	0533	4.0	8				200	Start pumping Fresh H ₂ O cement
	0536	4.0	10				700	Start pumping SUPER FLUSH.
	0539	4.0	8				200	Start pumping H ₂ O cement
	0541	6.0	29.7				350	Start pumping 50% cream .9% versosep
			29.7					.6% H ₂ O 322 5 1/2 H ₂ O 1/2" F10 at 11.0" H ₂ O
	0543	6.0	27.6				350	Start pumping 100% cream .9% versosep
			27.6					.6% H ₂ O 322 5 1/2 H ₂ O 1/2" F10 at 14.5" H ₂ O
	0548						0	TRIP mixing slug + HOSE WASH UP.
	0551	7.0	150.6				200	Start disp.
	0609	6.5	150.6				200 350	130 bbl displaced slug being lost
	0612	2.5	150.6				350	140 bbl displaced. slug gone
	0615	2.5	150.6				350 100	LONG plug.
	0616	0	150.6				100 0	APPROX PS. - FLOOR HOLD.
								MAX L.C. PSI 500
	0720							plug H ₂ O Hole
	0725							" " H ₂ O Hole

ORIGINAL

MAY 10
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RELEASED

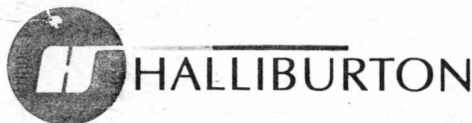
JUL 31 1997

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 14 1996

CONSERVATION DIVISION
WICHITA, KS



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: *Anadarko part - CRR*
 ADDRESS:
 CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

921555 - 8

PAGE 1 OF 2

CONFIDENTIAL

SERVICE LOCATIONS <i>1025540</i>	WELL/PROJECT NO. <i>3</i>	LEASE <i>Kalzlair 'B'</i>	COUNTY/PARISH <i>S40001</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION <i>FR40119</i>	DATE <i>3-22-96</i>	OWNER <i>S40001</i>
<i>2075535</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>NOR SAMMY</i>	RIG NAME/NO. <i>1</i>	SHIPPED VIA <i>10/10/96</i>	DELIVERED TO <i>LOC 11001</i>	ORDER NO.
3.	WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>035</i>	WELL PERMIT NO. <i>1518-9220-5700-00</i>	WELL LOCATION <i>L944</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M		
<i>000-117</i>		<i>1</i>			MILEAGE	<i>45</i>	<i>mi</i>	<i>2.55</i>	<i>256</i>
<i>000-119</i>		<i>1</i>			<i>CRPW M. 10078</i>	<i>45</i>	<i>mi</i>	<i>1.50</i>	<i>135</i>
<i>001-016</i>		<i>1</i>			<i>PUMP charge</i>	<i>6373</i>	<i>ft</i>	<i>2070</i>	<i>2070</i>
<i>030-016</i>	<i>402.1505</i>	<i>1</i>			<i>SEW TOP plug</i>	<i>1</i>	<i>EA</i>	<i>60</i>	<i>60</i>
<i>124</i>	<i>825.205</i>	<i>1</i>			<i>Guide shoe</i>	<i>1</i>	<i>EA</i>	<i>121</i>	<i>121</i>
<i>244</i>	<i>815.19251</i>	<i>1</i>			<i>INSPEK</i>	<i>1</i>	<i>EA</i>	<i>110</i>	<i>110</i>
<i>27</i>	<i>815.19311</i>	<i>1</i>			<i>FILL UP</i>	<i>1</i>	<i>EA</i>	<i>69</i>	<i>69</i>
<i>40</i>	<i>506.60022</i>	<i>1</i>			<i>Centralizer</i>	<i>14</i>	<i>EA</i>	<i>60</i>	<i>540</i>
<i>320</i>	<i>806.71430</i>	<i>1</i>			<i>Basket</i>	<i>1</i>	<i>EA</i>	<i>104</i>	<i>104</i>
<i>018-317</i>		<i>1</i>			<i>SUPER 1434</i>	<i>10</i>	<i>EA</i>	<i>100</i>	<i>1000</i>

RELEASED JUL 31 1997 ORIGINAL

RECEIVED MAY 14 1996 KANSAS CORPORATION COMMISSION WICHITA KS

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *O.J. Stuck*
 DATE SIGNED: TIME SIGNED:
 A.M. P.M.
 I 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

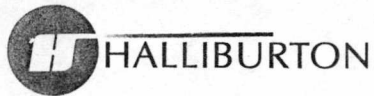
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<i>4665</i>
FROM CONTINUATION PAGE(S)	<i>3956</i>
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) <i>O.J. Stuck</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X O.J. Stuck</i>	HALLIBURTON OPERATOR/ENGINEER <i>Joe Dany</i>	EMP # <i>F4550</i>	HALLIBURTON APPROVAL
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TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 921555

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

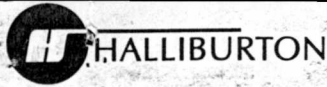
CUSTOMER mg Anadarko Petroleum Corporation WELL Patzloff "B" #3 DATE 03-22-96 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-043	516.00272				Premium Cement	185	sk			11.08	2049	80
507-210	890.50071				Floccale 1/4" / 185	46	lb			1.65	75	90
507-775	516.00144				Halad-322 .6% / 185	104	lb			7.00	728	00
508-002	70.15302				Potassium Chloride 5% / 185	525	lb			.27	141	75
508-095	516.00789				Versaset .9% / 185	157	lb			3.90	612	30
<p>ORIGINAL</p> <p>CONFIDENTIAL</p> <p>RELEASED</p> <p>JUL 31 1997</p> <p>FROM CONFIDENTIAL</p> <p>RECEIVED</p> <p>KANSAS CORPORATION COMMISSION</p> <p>MAY 14 1996</p> <p>CONSERVATION DIVISION</p> <p>WICHITA, KS</p>												
500-207					SERVICE CHARGE	CUBIC FEET		188		1.35	253	80
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	100.221	.95	95	21

No. B 219982

CONTINUATION TOTAL

3956.76



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Midcontinent
Liberal

BILLED ON TICKET NO. **KCC 919875**

WELL DATA

FIELD Gen T 100 SEC. 32 TWP. 33S RNG. 38W COUNTY Stevens 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	73	0.910	K3	1724	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	3-13-96	DATE	3-13-96	DATE	3-13-96	DATE	3-13-96
TIME	0900	TIME	1125	TIME	1701	TIME	2018

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert 4 1/2 in</u>		
FLOAT SHOE		
GUIDE SHOE <u>Reg</u>		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>EW</u>		
HEAD <u>OK PL</u>		
PACKER <u>Basket</u>		
OTHER <u>solid A</u>		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
R. Crut	420045	
D. McGruder	75496	
S. Porter	75505	
Don Henley	5087/1437	
E. O. H. E.	1612	

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. _____

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

CONFIDENTIAL

RELEASED

JUL 31 1997

FROM CONFIDENTIAL

DEPARTMENT 5001

DESCRIPTION OF JOB 010

MAY 10

CONFIDENTIAL

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

CUSTOMER REPRESENTATIVE X O J. Stueb

HALLIBURTON OPERATOR R. Crut COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	350	M. J. Can		R	3% CC, 4% F. K. Flo	3.22	14.1
	160	P+		R	2% CC, 4% F. K. Flo	1.30	14.6

RECEIVED
KANSAS CORPORATION COMMISSION

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 40 REASON 5/10/96

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 10614

CEMENT SLURRY: BBL.-GAL. 2000, 37170

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

Circulated 40 RPH to P.T.

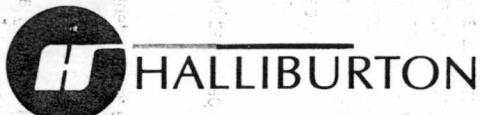
CUSTOMER APC

LEASE R 272117

WELL NO. 13-1

JOB TYPE 010

DATE 5/10/96



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: *Anderson, Ka Pet*
 ADDRESS: *Anderson, Ka Pet*
 CITY, STATE, ZIP CODE: *Anderson, KS 66506*

DUNCAN COPY

TICKET

No.

919875 - 0

CONFIDENTIAL

PAGE 1 OF 1

1. <i>Liberal</i>	WELL/PROJECT NO. <i>B-3</i>	LEASE <i>Ratcliff</i>	COUNTY/PARISH <i>Stevens</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE <i>3-12-96</i>	OWNER <i>S.M.M.C.</i>
2. <i>Hugo Tom</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Morsman Oil</i>	RIG NAME/NO. <i>1</i>	SHIPPED VIA <i>UPS</i>	DELIVERED TO <i>Loc. Petal, Ta</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	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-117</i>					MILEAGE	<i>92</i>	<i>mi</i>			<i>55</i>	<i>262 20</i>
<i>000-119</i>					<i>Crew Mileage</i>	<i>92</i>	<i>mi</i>			<i>50</i>	<i>138 00</i>
<i>001-016</i>					<i>Pump Charge</i>	<i>1731</i>	<i>FT</i>				<i>1320 00</i>
<i>030-018</i>					<i>Top Plug</i>	<i>8 3/8 in</i>	<i>1 Ea</i>				<i>130 00</i>
<i>12A</i>	<i>825-217</i>				<i>Guide Shoe</i>	<i>8 5/8 in</i>	<i>1 Ea</i>				<i>216 00</i>
<i>24A</i>	<i>815-19508</i>				<i>INSERT FLOAT</i>	<i>8 5/8 in</i>	<i>1 Ea</i>				<i>195 00</i>
<i>27</i>	<i>815-19414</i>				<i>FILL ASSY</i>		<i>1 Ea</i>				<i>64 00</i>
<i>41</i>	<i>806-61048</i>				<i>Centralizer</i>	<i>8 3/8 in</i>	<i>5 Ea</i>			<i>61 00</i>	<i>305 00</i>
<i>320</i>	<i>806-71460</i>				<i>Basket</i>	<i>8 3/8 in</i>	<i>1 Ea</i>				<i>124 00</i>
<i>350</i>	<i>890-10802</i>				<i>Weld A</i>	<i>1 Ea</i>	<i>1 Ea</i>				<i>16 75</i>

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 14 1996

FROM CONFIDENTIAL
JUL 31 1997

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DATE SIGNED *O.J. Stuck* TIME SIGNED *1:00* A.M. P.M.

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	<i>2770 95</i>
FROM CONTINUATION PAGE(S)	<i>9597 87</i>
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	<i>12368 62</i>

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CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>O.J. Stuck</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X O.J. Stuck</i>	HALLIBURTON OPERATOR/ENGINEER <i>Roy Crist</i>	EMP # <i>07653</i>	HALLIBURTON APPROVAL
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