

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

API NO. 15- 129-21-253-00 **ORIGINAL**

County Morton

NW-NW-SE-SW Sec. 32 Twp. 33S Rge. 41 X ^E

1250 Feet from SW (circle one) Line of Section

1450 Feet from E (circle one) Line of Section

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

Lease Name USA "AL" Well # 1

Field Name Greenwood

Producing Formation Topeka

Elevation: Ground 3373.1 KB NA

Total Depth 3375 PBDT 3327

Amount of Surface Pipe Set and Cemented at 787 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 87 8-11-94
(Data must be collected from the Reserve Pit)

Chloride content 3200 ppm Fluid volume 700 bbls

Dewatering method used Natural evaporation

Location of fluid disposal plugged 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: Panhandle Eastern Pipeline Company

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Norseman Drilling Company

License: 3779

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/Re-Entry: old well info as follows:

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. _____

1-13-94 1-18-94 3-24-94
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 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: Beverly J. Williams
Title Technical Assistant Date 4-13-94

Subscribed and sworn to before me this 13th day of April 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)

Operator Name Anadarko Petroleum Corporation

Lease Name USA "AL"

Well # 1

Sec. 32 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.)

<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
B/Cimarron	1397	
Council Grove	2376	
Wabaunsee	2788	
Topeka	3019	
Greenwood Lansing	3317	

List All E.Logs Run: CEMENT BOND
 DUAL INDUCTION
 BOREHOLE COMPENSATED ACOUSTIC
 COMPENSATED NEUTRON DENSITY

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	787	Pozmix & Common	400	2%cc 1#/sk flocele 2%cc
Production	7 7/8	5 1/2	15.5	3335	Class "C"	315	20% DCD 2%cc 1#/sk flocele 10% DCD 2%cc 1#/sk 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
4	3107-11,3080-87, 3063-70	A/in 2' intervals w/125gals 15% fe acid/ft. Total acid 2250 gals. A/w/2250 gals 15% fe acid & 90 BS.	

TUBING RECORD Size 2 3/8 Set At 3063 Packer At - Liner Run Yes No

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

Estimated Production Per 24 Hours Oil - Bbls. Gas 245 Mcf Water - 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 Other (Specify)

Production Interval 3063-3111

ORIGINAL

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

15-129-21253

WELL NAME: USA AL-1
SECTION 32-33S-41W
MORTON COUNTY, KANSAS

COMMENCED: JANUARY 13, 1994

COMPLETED: JANUARY 19, 1994

OPERATOR: ANADARKO PETROLEUM CORPORATION

RECEIVED
KANSAS CORPORATION COMMISSION
APR 22 1994
CONSERVATION DIVISION
WICHITA, KS

Depth		Formation	Remarks
From	To		
0	1014	Sand & Redbed	Ran 18 jts of 24#
1015	1217	Glorietta Sand	8 5/8" csg set @
1218	2174	Redbed	783'; w/250 SX of
2175	3375	Lime-Shale	Class C; 20% Diacel D; 2% CC; 1/4# SX Floceal; Tailed with 40 SX Class C; 10% Diacel D; 2% CC; 1/4# SX Floceal; Plug down at 4:00 p.m.; on 1/14/94.

Ran 75 jts. 5 1/2" 15.5#, Set @ 3344'; Cement w/275 SX Premium; 20% Diacel D; 2% CC; 1/4# SX Floceal; Tailed w/40 SX Premium; 10% Diacel D; 2% CC; 1/4# SX Floceal; Plug down @ 12:15 a.m., on 01/19/94

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
COUNTY OF SEDGWICK)records of this office.

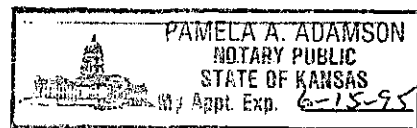
NORSEMAN DRILLING, INC.

James P. Reilly

JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

January 25, 1994

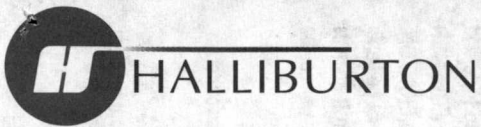


My Appointment Expires:

June 15, 1995

Pamela A. Adamson

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



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO:
 ADDRESS: *Andros Petroleum Corp*
 CITY, STATE, ZIP CODE:

COPY

TICKET

No.

574802 - 8

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>25540</i>	WELL/PROJECT NO. <i>1#</i>	LEASE <i>USA AL</i>	COUNTY/PARISH <i>Wagoner</i>	STATE <i>OK</i>	CITY/OFFSHORE LOCATION	DATE <i>1-18-94</i>	OWNER <i>SAM/E</i>
2. <i>25535</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <i>100</i>	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY <i>0203</i>	JOB PURPOSE <i>035 5 1/2 Prod Stn</i>	WELL PERMIT NO.	WELL LOCATION <i>NE OF ELYWELL</i>		
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>		<i>1</i>	<i>ORIGINAL</i>		MILEAGE	<i>75</i>	<i>MI</i>	<i>12</i>	<i>X</i>	<i>2.15</i>	<i>412.50</i>
<i>001-016</i>		<i>1</i>	<i>ORIGINAL</i>		<i>Pump change</i>	<i>3235</i>	<i>FT</i>				<i>1390.00</i>
<i>930-016</i>		<i>1</i>	<i>ORIGINAL</i>		<i>5 in Top Rg</i>	<i>1</i>	<i>EA</i>	<i>5 1/2</i>		<i>60.00</i>	<i>60.00</i>
<i>26</i>	<i>847-6318</i>	<i>1</i>	<i>ORIGINAL</i>		<i>Target Float Spec</i>	<i>1</i>	<i>EA</i>	<i>5 1/2</i>		<i>350.00</i>	<i>350.00</i>
<i>27</i>	<i>815-19311</i>	<i>1</i>	<i>ORIGINAL</i>		<i>Fillup</i>	<i>1</i>	<i>EA</i>			<i>55.00</i>	<i>55.00</i>
<i>40</i>	<i>806-80722</i>	<i>1</i>	<i>ORIGINAL</i>		<i>Control valves</i>	<i>14</i>	<i>EA</i>			<i>44.90</i>	<i>770.00</i>
<i>350</i>	<i>890-10862</i>	<i>1</i>	<i>ORIGINAL</i>		<i>Honeywell A</i>	<i>1</i>	<i>EA</i>				<i>14.50</i>
<i>218-738</i>		<i>1</i>	<i>ORIGINAL</i>		<i>Clarin</i>	<i>2</i>	<i>EA</i>			<i>24.00</i>	<i>48.00</i>
<i>218-315</i>		<i>1</i>	<i>ORIGINAL</i>		<i>Mud Flush</i>	<i>1260</i>	<i>EA</i>			<i>.65</i>	<i>819.00</i>

RECEIVED
 KANSAS CORPORATION COMMISSION
 APR 22 1994
 CONSERVATION DIVISION
 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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X [Signature]

DATE SIGNED: *1-19-94* TIME SIGNED: *10:40*

A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <i>3919.00</i>
TYPE LOCK DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>			
BEAN SIZE SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>			FROM CONTINUATION PAGE(S) <i>7411.84</i>
TYPE OF EQUALIZING SUB. CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>			
TUBING SIZE TUBING PRESSURE WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>			
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
<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) <i>BD Glick</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X [Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP # <i>59179</i>	HALLIBURTON APPROVAL
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TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY *Marion* STATE *K*

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		<i>15.5</i>	<i>5 1/2</i>	<i>0</i>	<i>3335</i>	
LINER						
TUBING						
OPEN HOLE					<i>3375</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>1-18</i>	DATE <i>1-18</i>	DATE <i>1-18</i>	DATE <i>1-19</i>
TIME <i>1300</i>	TIME <i>1600</i>	TIME <i>2230</i>	TIME <i>0015</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Deane</i>	<i>140075</i>	<i>L1395L K</i>
<i>PELwood</i>	<i>59179</i>	<i>14903 / 1848</i>
<i>McGee</i>	<i>04360</i>	<i>11449 / 1415</i>
<i>M Howe</i>	<i>F7343</i>	<i>52327 / 1557</i>

ORIGINAL

DEPARTMENT *Cement*

DESCRIPTION OF JOB *5% Prod. Strng*

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

CUSTOMER REPRESENTATIVE *X B. D. Alrik*

HALLIBURTON OPERATOR *Deane* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>275</i>	<i>Prest Plus</i>			<i>20% D. D. 2% CC 1/2 # H. C. C.</i>	<i>2.69</i>	<i>12.0</i>
	<i>40</i>	<i>Prest Plus</i>			<i>16% D. D. 1/2 # H. C. C.</i>	<i>2.09</i>	<i>13.0</i>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

PRESLUSH: BBL.-GAL. *10* VOLUMES *SD* TYPE *10*

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

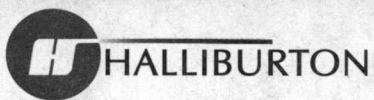
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *79.37*

CEMENT SLURRY: BBL.-GAL. *146.62*

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER _____
LEASE _____
WELL NO. _____
JOB TYPE _____
DATE *1-18-94*



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

COPY

TICKET No. 574802

90

FORM 1911 R-9

CUSTOMER: Anadarko Petroleum Corp. WELL: USA AL #1 DATE: 01-18-94 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
504-050	516.00265				Premium Pplus Cement	315	sk	9.96	3137.40
507-775	890.50071				Flocele 1/2#W/ 315	179	lb	1.40	110.60
500-959	70.15524				Diacel D 20%W/ 275 10%W/ 40	5546	lb	.42	2329.32
509-406	890.50812				Calcium Chloride 2%W/ 275	26	sk	28.25	169.50
ORIGINAL									
500-207					SERVICE CHARGE			1.35	885.60
500-306					MILEAGE CHARGE	TOTAL WEIGHT 35635	LOADED MILES 46	95	778.62
						CUBIC FEET 656	TON MILES 819.605		

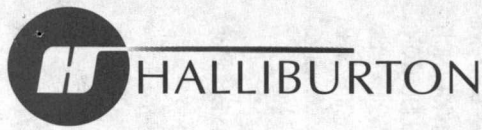
CONTINUATION TOTAL 7411.04

JOB LOG FORM 2013 R-4

 DATE: 1-18-94
 PAGE NO: 1

 CUSTOMER: *Arboreo Piro Corp* WELL NO: *1#* LEASE: *USA AL* JOB TYPE: *5% Prod ST* TICKET NO: *574802*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							<i>Time Colled</i>
	1400							<i>Time Pump</i>
	1600							<i>Time out</i> <i>By Start by Dr. DP</i>
	2000							<i>Time Pump</i> ORIGINAL
	2230							<i>Casing in Hole</i>
	2231							<i>Hook up to Circulate Line</i>
	2240							<i>Circulate from 1st Pump</i>
	2242							<i>Circulate Mud to Ground level</i>
	2310							<i>Hook up to Pump Truck</i>
	2315	5	10			150		<i>Start 2% KCl Water Ahead</i>
	2317	/	30			150		<i>Start 4% KCl Fluid</i>
	2323	/	10			150		<i>Start 2% KCl Water Behind</i>
	2325	5.2	10			150		<i>Start 11% Cement</i>
	2351	/	131 ⁷⁴			200		<i>Start Tail Cement</i>
	2354	5.1	14 ⁵⁸			200		<i>Final 11% Cement</i>
	2355					150		<i>Start 10% Wash Pump's fluids</i> <i>Drop Plug</i>
	2358	6				200		<i>Start Displacement</i>
		4.7	79 ³⁷					
	0015							<i>10% KCl Pump Done</i> <i>Fluid Held</i> <i>Cable Fluid Then</i> <i>Outdoors</i>
								<i>Thanks For Calling</i> <i>Halliburton</i> <i>Energy</i> <i>Service</i> <i>Done +</i> <i>Clear</i>



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: AWACAKO Petr. Corp.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

COPY

TICKET

No.

649846 - X

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>25540</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>USA AL</u>	COUNTY/PARISH <u>MOBILE</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>1-14-94</u>	OWNER <u>SAWIE</u>
2. <u>25535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <u>HOUSEMAN 2</u>	SHIPPED VIA <u>TRUCK</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>Cat 832 451</u>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>200-117</u>					MILEAGE	<u>2</u>	<u>EA</u>	<u>75</u>	<u>M</u>	<u>21.25</u>	<u>412.50</u>
<u>001-016</u>					<u>Pumping Service</u>	<u>737</u>	<u>EA</u>	<u>1.12</u>	<u>HR</u>	<u>1.12</u>	<u>825.00</u>
<u>030-018</u>					<u>5-W Top Run</u>	<u>1</u>	<u>EA</u>	<u>85</u>	<u>"</u>	<u>1.50</u>	<u>130.00</u>
<u>16A</u>	<u>830, 2171</u>				<u>Large Size</u>	<u>1</u>	<u>EA</u>	<u>85</u>	<u>"</u>	<u>1.80</u>	<u>161.00</u>
<u>24A</u>	<u>815, 11302</u>				<u>WELT FOOT</u>	<u>1</u>	<u>EA</u>	<u>"</u>	<u>"</u>	<u>171.00</u>	<u>171.00</u>
<u>27</u>	<u>815, 19415</u>				<u>Fullup</u>	<u>1</u>	<u>EA</u>	<u>"</u>	<u>"</u>	<u>55.00</u>	<u>55.00</u>
<u>40</u>	<u>816, 60057</u>				<u>Centralizers</u>	<u>2</u>	<u>EA</u>	<u>"</u>	<u>"</u>	<u>72.00</u>	<u>144.00</u>
<u>350</u>	<u>817, 10802</u>				<u>WELD A</u>	<u>1</u>	<u>EA</u>	<u>"</u>	<u>"</u>	<u>14.50</u>	<u>14.50</u>

RECEIVED
 KANSAS CORPORATION COMMISSION
 APR 22 1994
 CONSERVATION DIVISION
 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. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <u>X Jim Barlow</u> DATE SIGNED <u>1-14-94</u> TIME SIGNED <u>1400</u> <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	SURVEY AGREE UN-DECIDED DIS-AGREE	PAGE TOTAL <u>1915.00</u> FROM CONTINUATION PAGE(S) <u>7082.65</u> SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>8995.65</u>
	TYPE LOCK DEPTH BEAN SIZE SPACERS	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 type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	
	TYPE OF EQUALIZING SUB. CASING PRESSURE TUBING SIZE TUBING PRESSURE WELL DEPTH		
	TREE CONNECTION TYPE VALVE		

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) <u>Jim Barlow</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Jim Barlow</u>	HALLIBURTON OPERATOR/ENGINEER <u>Royt King</u>	EMP # <u>61393</u>	HALLIBURTON APPROVAL
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TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.
(0593)



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MID-Point
LUGAL

BILLED ON TICKET NO. 647846

WELL DATA

FIELD _____ SEC. 32 TWP. 33 RNG. 41W COUNTY Madison STATE Ky

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	11	21	8 5/8	KB	727	
LINER						
TUBING						
OPEN HOLE			17 1/2	KB	587	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>1.5625 x 10.000 8 7/8</u>	<u>1</u>	<u>Hercules</u>
GUIDE SHOE <u>TEY 1.15</u>	<u>1</u>	
CENTRALIZERS <u>5-4</u>	<u>2</u>	
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER <u>WELD-A</u>		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-14</u>	DATE <u>1-14</u>	DATE <u>1-14</u>	DATE <u>1-14</u>
TIME <u>0955</u>	TIME <u>1330</u>	TIME <u>1500</u>	TIME <u>1630</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>KENSINGER</u>	<u>01393</u>	<u>LUGAL</u>
<u>DAVIS</u>	<u>151530</u>	<u>"</u>
<u>PACER</u>	<u>63006</u>	<u>LUGAL</u>
<u>HAMILTON</u>	<u>4415</u>	<u>"</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 SMI

DESCRIPTION OF JOB 8 7/8 SURFACE

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

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>460</u>	<u>2519 1/4" 102</u>		<u>8</u>	<u>2% M. 4% F. 1% B.</u>	<u>1.17</u>	<u>15.3</u>
<u>2</u>	<u>150</u>	<u>Plurima</u>		<u>3</u>	<u>2% M. 4% F. 1% B.</u>	<u>1.06</u>	<u>16.4</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 47

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 112

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

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE* _____

FEET 446 REASON Stop Inject

REMARKS

Run Cw To Surface

CUSTOMER
LEASE
WELL NO.
JOB TYPE
DATE

JOB LOG FORM 2013 R-4

DATE: 1.10.14 PAGE NO: 1

CUSTOMER: APC WELL NO: 1 LEASE: USA AL. JOB TYPE: 2 1/2 TICKET NO: 647816

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0955							LAUNCH REQUESTED NOW
	1330							ON LOCATION - Pump - Trial
	1410							Run 8 5/8" Line
	1450							Log up. Hand up to Mid Pump
	1500							THE OPERATOR - Energy unit
	1513							SHUT MID PUMP DOWN. Hook up last line
	1517	6	83				270	Pump Line Survey
	1530	6	28				250	Pump Tail Survey
	1535							Drop Top Pipe
	1538	5					500	Displace up 120
	1545	5.2	37				300/200	Slow Rate
	1550		47				300/100	Pump Down - Release Press. not abnormal
								Close up
								Released from location
								* OPERATOR CUT 2 SURFACE

ORIGINAL