

Well Plugging Report

Kansas Department of Health and Environment
Bureau of Water Protection

(Authorized by K.S.A. 65-171d)

A. Name of Company Amoco Production Company Well No. Salt Cavity Storage Well #6
 Surface Elevation 3134.19 Feet
 Company Address 2225 W. Oklahoma Ave. Date well put into service 4-17-53
Ulysses, KS 67880 Permit No. N/A

B. Type of well LPG Storage Well
 Surface pipe seat depth: 537 Feet
 Production casing seat depth: 1660 Feet
 Depth of well: 1730 Feet

C. Reason for abandonment and plugging No longer needed in
production processes.

D. Well Location:
SW 1/4 NW 1/4 NE 1/4 Sec. 5 Twp 29 S
 Range 38 ~~00X~~ (W) Grant County
 Co-ordinate footage location 1120 FNL and 2120 FEI

E. Has all of the tubing been removed from the well from the
 base of the production casing to the surface? yes
 If no, give explanation and indicate to what depth the
 production casing is clear of tubing and other obstructions.

F. Describe the plugging procedure: Product was removed from the cavity by displacing it with brine. The tubing and packer were pulled and a mechanical bridge plug set and tested. A 50 feet thick thixotropic cement plug was placed above the bridge plug and tagged after setting for 24 hours. Cement was pumped from the plug to surface utilizing coiled tubing. After ensuring cement to surface, wellhead equipment was removed and a well identifier cap and monument established. Plugging was performed in accordance with the Plugging and Abandonment Plan submitted to the KDHE January 18, 1993 and subsequently approved by them. KDHE representatives witnessed many aspects of the plugging operation.

G. Plugging contractor: Barbo Well Service/Flint Engineering/Halliburton
Plugging supervisor: Joe P. Eudey, Operations Specialist
Date plugging commenced: 3-24-93
Date plugging completed: 4-26-93

H. Has a copy of the cementing report been submitted to the Department for this plugging operation? Yes, attached

I hereby certify that the statements herein are true and correct to the best of my knowledge and belief.

K. J. Lindber
Applicant Or Duly Authorized Agent

Subscribed and sworn to before me this 26th day of April, 19 93

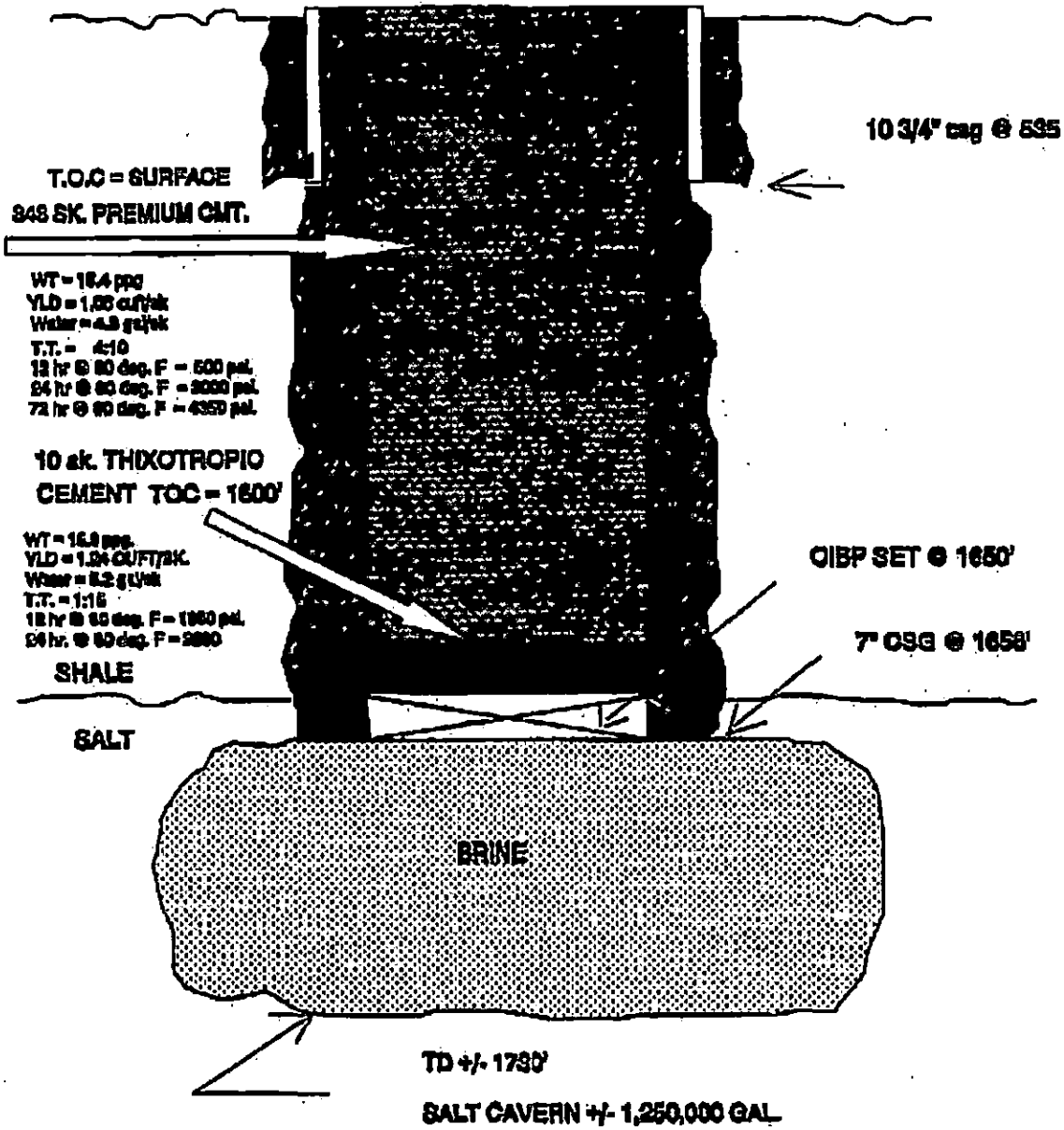


Annette Shilling
Notary Public

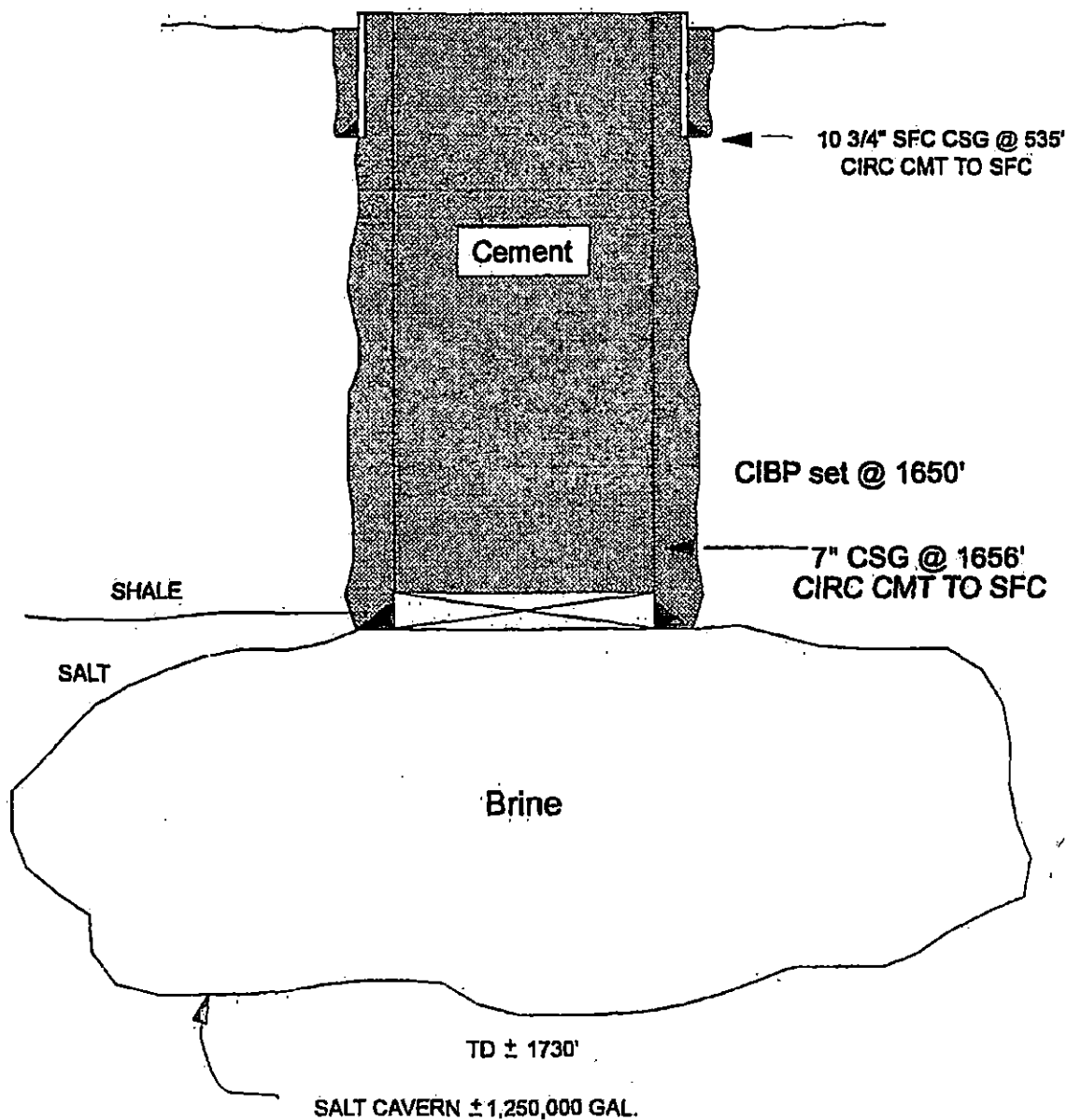
My Commission Expires February 22, 1997

EXHIBIT #2

Salt Cavity Storage Well #6 P&A Wellbore Diagram



Salt Cavity Storage Well #6 P&A Wellbore Diagram



December 1, 1992

File: DWB- -400.1

**Proposed Plugging and Abandonment Procedure
Salt Cavity Storage Well No. 6
Amoco Ulysses Gasoline Plant
Grant County, Kansas**

Below is the proposed plugging and abandonment procedure for the subject well.

1. MIRUSU.
2. Pull any tubing in well.
3. Set a CIBP at 1650' feet, cap with 2 sks cement.
4. Pressure test to 300 psi for 5 min.
5. Upon successful CIBP test, fill remaining casing volume with thixotropic cement.
6. Cut off casing and weld on cap approximately one foot above ground level.
7. Restore location.

A wellbore sketch is attached for your reference. Please contact Kyle True with any questions at (303) 830-5241.

Attachment

COMPLETION AND REPAIR REPORT

Date 042693	<input type="checkbox"/> Oil G. Dig	<input type="checkbox"/> Repair	<input type="checkbox"/> Recore/Completion	<input checked="" type="checkbox"/> Plug/Abandon	Contractor Name & No. Jim's Welding
License Name & Well No. SCSW #6	Present Operator: Well Plugged & abandoned				
TDI	PSTD:	No on Location	Fig Release	Suspend. Date 042493	Resumed Date 042493
Daily Well Cost 44	Cumulative Well Cost 8915		TCR		
Top of Pay	Base of Pay		Formation		

Date	Depth	Type S-Open S-Close	SPC %	Perf. Size	Tool Joint	API	Gas Rate	Gas Flow Control	API	Field Density	API

Pump Service (Add. Pres. Control)	Field Type
Tool Plugged (Reason, Section)	Formation

Interval:

Initial Status	MWD @: pd	Initial Breakdown	pd
Final Status	MWD @: pd	Maximum Pressure	pd
Minimum Status	MWD @: pd	LALPs	pd
Abandonment Status	MWD @: pd	Final Status	pd @ pd

Additive Name	Volume	MDD Effective Date

Comments	SLW	SLWR	SCP	NLS	ATP	SPR

MIRU welder - weld cap on wellhead with identifier inscribed on top - RDMO welder

"Final Report"

Welder 44

Foreman: JPE

COMPLETION AND REPAIR REPORT

Date 041793	<input type="checkbox"/> Dig. Dig	<input type="checkbox"/> Recv	<input type="checkbox"/> Reception	<input checked="" type="checkbox"/> Plug/Abandon	Contractor Name & Rig No. Haliburton & Flint	
License Name & Well No. SCSW 6			Project Operator:			
TD: 4462	RWD: 4462	Rig no Location 041693	Rig Release 041693	Suspend. Date 041693	Resumed Date 041693	
Daily Well Cost: 4462		Cumulative Well Cost: 8871		TCC:		
Top of Pay:		Base of Pay:		Formations:		

Date	Depth	Type G-Plan G-Case	Set	Perf. Size	Total In. Size	Total Set	Case Size	Cap Block (Degrees)	Type P/S	Field Density	Field Cwt

Flow Service (Add. From Cement)	Field Type:
Total Pumped (Barrels, Gals)	Formation:
Interval:	

Initial Flow:	Mils @ 1 gal	Initial Breakdown:	gal
Final Flow:	Mils @ 1 gal	Maximum Pressure:	psi
Minimum Flow:	Mils @ 1 gal	LA/P:	gal
Maximum Flow:	Mils @ 1 gal	Final Shut In:	gal @ volume

Additive Name	Volume	MDS Effective Date

Comments	BLW	BLWTR	SCP	HSL	STP	HCS
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MIRU coil tubing rig - T14 x 1/4 coil tubing - Tag
 thiostropic plug @ 1574 - MIRU Haliburton - Pump
 343 ads of Premium plus cement while
 extracting coil tubing - Circulate cement to surface
 RDMD Haliburton - RDMD coil tubing Rig

Flint 1260
Haliburton 3362
Foreman: JPE

DISTRICT: Liberal, Ks

DATE: 4-16-93

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Amoco Production (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 6# LEASE SALT COUNTY Storage Unit SEC. _____ TWP. _____ RANGE _____
ELD _____ COUNTY Grant STATE Ks OWNED BY Amoco Production

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING				7"	GL		
LINER							
TUBING				1"	GL		
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Plug To Abandon w/ 343 sg Premium Top Off Cement To Grad. Level

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including but not limited to, damage to the reservoir, formation or well) or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section (b) and Section (c) below shall apply in claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections (b) and (c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability, nor Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments lost during operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery, to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED _____ CUSTOMER

DATE _____

TIME _____ A.M. P.M.

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

DISTRICT Liberal, KS

DATE 4-14-93

O. HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Amaco Production (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 6# LEASE Salt County Storage Unit SEC. _____ TWP. _____ RANGE _____

FIELD _____ COUNTY Grant STATE Ks OWNED BY Amaco

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING				7"	1630	1630	
LINER							
TUBING				2 3/8"	1630	1630	
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Plug Back w/ 10^{SK} Thiocepia w/ 10^{SK} Seal H90 Galk 2% Cl

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term well owner shall include working and royalty interest owners.
 - Reservoir formation or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense indemnity release and hold harmless obligations of Customer provided for in this Section (b) and Section (c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense indemnity release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections (b) and (c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That 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 products, supplies or materials nor the results of any treatment 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 against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items; in no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton in the case of equipment, tools or instruments for marine operations. Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED _____ CUSTOMER

DATE _____

TIME _____ A.M. P.M.

to certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.



JOB SUMMARY

DIVISION: LIBERAL
HALLIBURTON LOCATION: LIBERALBILLED ON TICKET NO. 345234

CUSTOMER

Amoco Pool
DATE 4-14-93
JOB NO. 10# 6#
PLG BACK

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Grant STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCF/D

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCF/D

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

ACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

SEC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			See			
LINER				Work		
TUBING					sealer	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-14</u>	DATE <u>4-14</u>	DATE <u>4-14</u>	DATE <u>4-14</u>
TIME <u>0600</u>	TIME <u>1000</u>	TIME <u>1020</u>	TIME <u>1530</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Olson</u>	<u>40075</u>	<u>Liberal</u>
<u>R. Elwood</u>	<u>59179</u>	<u>Ks</u>
<u>?</u>	<u>04360</u>	<u>14903/1848</u>
<u>?</u>	<u>3676</u>	<u>14515</u>
		<u>Hogate</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
LOAD COLLAR		
LOAD SHOE		
LIDE SHOE		
ENTRALIZERS		
OTTON PLUG		
OP PLUG		
EAD		
ALKER		
OTHER		

MATERIALS

REAT. FLUID _____ DENSITY _____ LB/GAL-API

ISPL. FLUID _____ DENSITY _____ LB/GAL-API

ROP. TYPE _____ SIZE _____ LB.

ROP. TYPE _____ SIZE _____ LB.

CID TYPE _____ GAL _____ %

CID TYPE _____ GAL _____ %

CID TYPE _____ GAL _____ %

URFACTANT TYPE _____ GAL _____ IN

E AGENT TYPE _____ GAL _____ IN

LUID LOSS ADD. TYPE _____ GAL-LB _____ IN

ELLING AGENT TYPE _____ GAL-LB _____ IN

IC. RED. AGENT TYPE _____ GAL-LB _____ IN

SEALER TYPE _____ GAL-LB _____ IN

LOCKING AGENT TYPE _____ GAL-LB _____

IRFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Plg Back

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>10</u>	<u>Thiencapit</u>			<u>10% Cal Seal, 4% Tech, 2% CC</u>	<u>1.59</u>	<u>15.2</u>

PRESSURES IN PSI

REGULATING _____ DISPLACEMENT _____

SEAKDOWN _____ MAXIMUM _____

VERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

REATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

SET 61 REASON RUG

SUMMARY

VOLUMES 50 BBL Water Need

PRESLUSH: BBL-GAL _____

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

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 6.0

CEMENT SLURRY: BBL-GAL 2.2 FOR 10 SK 6.0

TOTAL VOLUME: BBL-GAL _____

REMARKS _____

JOB LOG

WELL NO. _____ LEASE _____ TICKET NO. _____

CUSTOMER Amoco Prod PAGE NO. 1

JOB TYPE Plg Back DATE 4-14-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							Time Called
	1000							Time Ready
	1000							Time out of hole <u>Plg Back</u>
	1020							Work up Turb
	1025	2.5				300		Circulate Hole w Fresh Water
	1040		50					Shut Down
	1042					250		Mix Cement
	1044	2	2.2			150		Start Displacement
	1047	1	6.0			50/0		Shut Down
	1048							Recall Loss From Turb
	1050							Plg Trip Turb out of hole
								Move To Next Loc.
								Thanks For Call by <u>6/6/93</u>

JOB LOG

WELL NO. 9 LEASE SALT WATER TREATING TICKET NO. 32572
 CUSTOMER Amoco Production PAGE NO. 1
 JOB TYPE Plg Back DATE 4-14-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							Time Ready & Stand By
	1425							Start Pumping Test in Hole
	1500							Hook Up Tools
	1513					300		Start Water Ahead
	1520	2 1/2	50					Start Pump Slit Down
	1523	2				250		Start Mix Cement
	1525		2.2			150		Start Displacement wash Paps Lines
	1528		6			50		Slit Down
	1530							Break Loss Finish well Plug Pull. Tools out of hole
								Thanks For Calling Halliburton Services O'Connell & P. Ellwood

INVOICE

BARBO WELL SERVICE, INC.
SERVICE UNIT CONTRACTORS

RECEIVED

052021 AP 30 93

P.O. Box 159 Ulysses, Kansas 67880

54 - ULYSSES 00

Rig # 2

INVOICE B-2252

SOLD TO

Date 4-27-93

Amoco Production Co.
Ulysses Operations Center
2225 West Oklahoma
Ulysses, Kansas 67880

Ordered By: JOE EUDEY
Charged To: S C S W #6 REPAIR

County: GRANT
State of Kansas

¥2414 4-13-93 Moved in service unit - rigged up - run tubing - pumped
cement - pulled tubing - rigged down - moved off 6 Hours

6 Hours of Service Unit time @ \$40.00 per hr	\$240.00
6 Hours of Operators time @ \$19.00 per hr	114.00
12 Hours of Extra Labor @ \$17.5 per hr	210.00
1/2 Day Rental on Power Tongs @ \$75.00 per day	37.50
	<u>\$601.50</u>
5.9 Sales Tax	35.49
TOTAL	\$636.99

ULYSSES Ulysses Plant SUB FEA APPN# DOS OPCENTER Charge to: <u>Ulysses Gas Plant</u> Used For: <u>P&A Salt Brine Wells</u> <u>Dep Acct 7646-18</u> Haul & Dispose Salt Water Expense Investment MPF PF Environment: Land Air Water Rep. (Form 5588) <u>P & A</u> Incomplete Recomplete Acct Sub Fea Approved: J. P. Eudey 5GG <u>J P Eudey</u> Date	
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