

5

SIDE ONE

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

Operator: License # 5418

Name: ALLEN DRILLING COMPANY

Address P.O. Box 1389

Great Bend, KS 67530

City/State/Zip _____

Purchaser: Koch Oil Co.

Operator Contact Person: Doug Hoisington

Phone (316) 793-3582

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: Jeffrey R. Zoller

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj. Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

8/16/89 8/21/89 9/19/89
Spud Date Date Reached TD Completion Date

API NO. 15- 009-24,381.0000

County Barton

NW NW NW Sec. 17 Twp. 20 Rge. 15 East West

4950 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

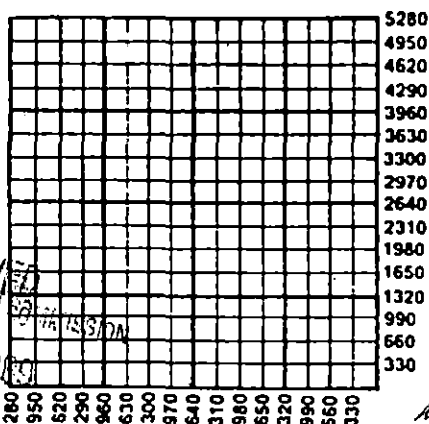
Lease Name UNRUH Well # 1-17

Field Name Converse

Producing Formation Arbuckle

Elevation: Ground 2073 KB 2078

Total Depth 3960' PBD 3929'



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OCT 25 1989
STATE CORPORATION COMMISSION
Wichita, Kansas

CONSERVATION DIVISION
Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 1100 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

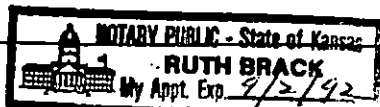
Signature Doug Hoisington

Title Vice-President Production Date 10/20/89

Subscribed and sworn to before me this 20th day of October, 19 89.

Notary Public Ruth Brack

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SMD/Rep NGPA

KGS Plug Other

(Specify)

21

SIDE TWO

Operator Name ALLEN DRILLING COMPANY Lease Name UNRUH Well # 1-17
 Sec. 17 Twp. 20S Rge. 15 East West
 County Barton

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	Formation Description <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>1089</td><td>+989</td></tr> <tr><td>Wabaunsee</td><td>2758</td><td>-680</td></tr> <tr><td>Howard</td><td>3073</td><td>-998</td></tr> <tr><td>Topeka</td><td>3148</td><td>-1070</td></tr> <tr><td>Heebner</td><td>3409</td><td>-1331</td></tr> <tr><td>Brown Lime</td><td>3497</td><td>-1419</td></tr> <tr><td>Lansing</td><td>3508</td><td>-1430</td></tr> <tr><td>Base KC</td><td>3725</td><td>-1647</td></tr> <tr><td>Arbuckle</td><td>3777</td><td>-1699</td></tr> <tr><td>TD</td><td>3960</td><td>-1882</td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	1089	+989	Wabaunsee	2758	-680	Howard	3073	-998	Topeka	3148	-1070	Heebner	3409	-1331	Brown Lime	3497	-1419	Lansing	3508	-1430	Base KC	3725	-1647	Arbuckle	3777	-1699	TD	3960	-1882
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Arbuckle	3777	-1699																																	
TD	3960	-1882																																	
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																																		

CASING RECORD New 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"	23#	1100'	60/40poz	425	2%gel 3%cc
Production	7-7/8"	5-1/4"	15.5#	3952'	60/40poz	150	18%NaCl .75%CFRIII 10#gil 20bbl salt preflsh

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3JSPF	3880-84'	250 gal 15% FE NE Hcl	
3JSPF	3827-32'	10 bbl gelled KCL wtr	
3JSPF	3814-18'	w/150# rock salt	
		750 gal 15% FE NE HCL	

TUBING RECORD Size 2-1/2" Set At 3858 Packer At none Liner Run Yes No

Date of First Production 9/19/89 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	17.0	TSTM	56.3	NA	NA

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

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval
3814-18'
3827-32'
3880-84'

HALLIBURTON SERVICES

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Wichita
Gr. Bend, Kas

15.009.24381.0000

BILLED ON TICKET NO. 200116

SEC. 17 TWP. 20 RANG. 15 COUNTY Barton STATE Kas.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS FROM _____ TO _____

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

PRES. 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	4	15	5 1/2	K.P.	3967.6	
LINER						
TUBING						
OPEN HOLE			7 1/2	K.P.	3960'	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
8-21	8-22	8-22	8-22-75
DATE	DATE	DATE	DATE
TIME 2:30	TIME 00:30	TIME 08:00	TIME 09:45

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR Inert 3/4	1	HOWE
FLOAT SHOE		
GUIDE SHOE CMT 11	11	11 11
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. BRZEK	2924	Gr. Bend
J. AGUIRRE		
B. FOLK	0977	" "

MATERIALS

TREAT. FLUID	DENSITY	LB/GAL. API
DISPL. FLUID	DENSITY	LB/GAL. API
PROP. TYPE	SIZE	LB.
PROP. TYPE	SIZE	LD.
ACID TYPE	GAL.	%
ACID TYPE	GAL.	%
ACID TYPE	GAL.	%
SURFACTANT TYPE	GAL.	IN
HE 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.	
PERMPAC BALLS TYPE	QTY.	
OTHER		
OTHER		

DEPARTMENT CMT

DESCRIPTION OF JOB CMT 5 1/2 PROD. Csg.

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR D. BRZEK

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	ADDS	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
1	50	40-60	POC	B	1500 SALT 750 CFB-3	1.31	14.15
11	100	40-60	POC	B	" " " " 10 Ginkwite	1.76	13.3

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH _____ BBL. GAL. _____ TYPE SALT

BREAKDOWN _____ MAXIMUM _____ ADD. & BRDM: _____ BBL. GAL. _____ PAD: _____ BBL. GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ DISPL. _____ BBL. GAL. _____

SHUT-IN INSTANT _____ 3-MIN. _____ 15-MIN. _____ CEMENT SLURRY _____ BBL. GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 17.88 REASON Shoe

RECEIVED
OPERATION DIVISION
UOI 25 1980
Wichita, Kansas

REMARKS

CUSTOMER: Allentown Co.
LEASE: Wichita
WELL NO.: 1-17
JOB TYPE: 5 1/2" Prod. Csg.
DATE: 8-22-75

JOB SUMMARY

HALLIBURTON DIVISION
WICHITA, KANSAS

Wichita, Kansas
Gr. Beard, Ks.

15-009-24381-0000
BILLED ON 8-22-81
TICKET NO. 822919

WELL DATA

SEC 17 TWP 20 RNG 15 COUNTY Pawnee STATE Ks.

WELL NAME _____ TYPE _____
 INFORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD. OR _____ 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	34	8 7/8	0	1101'	
LINER						
TUBING						
OPEN HOLE			1 3/4	0	1100'	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
8-17	8-17	8-17	8-17-81
DATE	DATE	DATE	DATE
TIME 2400	TIME 0220	TIME 0415	TIME 0600

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	WOOD 8 7/8	1 HOWCO
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. BROZEK	2924	Gr. Beard
J. McDuff		
D. RANSEY	4604	

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. _____
 PRIC. REQ. AGENT TYPE _____ GAL. LB. _____ IN. _____
 BREAKER TYPE _____ GAL. LB. _____ IN. _____
 BLOCKING AGENT TYPE _____ GAL. LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT CML
 DESCRIPTION OF JOB SET 8 7/8" CS
 JOB DONE THRU: TUBING CASING ANNULUS TPC/ANN
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR D. Brozek COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OR BAGS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU FT/BAK	MIXED LBS/GAL
1	425	40-60	FDZ	B	3706	1.27	14.30

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 OCT 25 1981

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 15' REASON Req.

SUMMARY

Wichita, Kansas
 PRES LUSH: BBL-GAL _____ TYPE _____
 LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 47.06
 CEMENT SLURRY: 96.12 BBL-GAL
 TOTAL VOLUME: 16.18 BBL-GAL
 REMARKS _____

CUSTOMER: Allied Data
 WICHITA, KANSAS
 DATE: 8-22-81



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15.009.24391.0000

ATTACH TO INVOICE & TICKET NO. 800118

DATE 8-22-89

GT. BENTON

O: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Allen H. Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1-17 LEASE Winkuh SEC. 17 TWP. 30 RANGE 15

FIELD _____ COUNTY Barton STATE Ks. OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH _____ MUD WEIGHT _____

BORE HOLE _____

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>U</u>	<u>15</u>	<u>5 1/2</u>	<u>K.B.</u>	<u>3161.36'</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 1/4</u>	<u>K.B.</u>	<u>3160'</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Cont 5 1/2" Prod. Casing w/ 50' x 40-60 POC 1200 SATT. 7 1/2" CTR - 3
WUSA 40-60 POC 1200 SATT. 7 1/2" CTR - 3 10" Casing w/ POC SX

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 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.

RECEIVED
STATE OF KANSAS
CONSERVATION COMMISSION

OCT 25 1989

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

SIGNED _____ CUSTOMER

DATE 8-22-89

TIME 12:00 A M P M

We 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.

15.009.24381.0000
**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

ATTACH TO INVOICE & TICKET NO. **822999**

DATE **08-17-89**

Great Bend

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE
THE SAME AS AN INDEPENDENT CONTRACTOR TO: **Allen Dalg.** (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. **1-17** LEASE **WATUK** SEC. **17** TWP. **20** RANGE **15W**
FIELD _____ COUNTY **PAWNEE** STATE **KS** OWNED BY **Allen Dalg.**

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		N	24.16	8 5/8	KB	101	
LINER							
TUBING							
OPEN HOLE				12 1/4	KB	1100	SHOTS/FT
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cement 8 5/8 surface casing w/425 #160 Pozmix Cement 3% Calcium Chloride

RECEIVED
STATE CORPORATION COMMISSION

OCT 25 1989

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 - 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 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 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 **08-17-89**

TIME _____ A.M. P.M.

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-009-24,381-0000

LEASE NAME Unruh

WELL NUMBER 1-17

 Ft. from S Section Line

 Ft. from E Section Line

SEC. 17 TWP. 20 RGE. 15W X 20 or (W)

COUNTY Barton

Date Well Completed

Plugging Commenced 5-26-92

Plugging Completed 7-2-92

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

LEASE OPERATOR Allen Drilling Company

ADDRESS P.O. Box 1389 Great Bend, Kansas 67530

PHONE# (316) 793-5681 OPERATORS LICENSE NO. 5418

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on (date)

by Dennis Hamel (KCC District Agent's Name).

Is ACO-1 filed? If not, is well log attached?

Producing Formation Depth to Top Bottom T.O. 3929'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS | CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
				8 5/8"	1100'	none
				5 1/2"	3952'	2129'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.
Sanded bottom to 3760' ran 5 sacks cement. Shot pipe @3000', 2800', 2600', 2400', 2300', 2200', 2129'. Plugged with 5 hulls, 300 sacks 60/40 8% gel.

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor KELSO CASING PULLING, INC. License No. 6050

Address P.O. Box 347 Chase, Kansas 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Allen Drilling Company

STATE OF Kansas COUNTY OF Rice, ss.


R. Darrell Kelso (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed, that the same are true and correct, so help me God.

(Signature) *R. Darrell Kelso* RECEIVED STATE CORPORATION COMMISSION

(Address) P.O. Box 347 Chase, KS 67524

SUBSCRIBED AND SWORN TO before me this 6 day of July

Jane Herzberg Notary Public
Wichita, Kansas

My Commission Expires:


4- 062660

7-2

29R

TO: STATE CORPORATION COMMISSION
CONSERVATION DIVISION - PLUGGING
200 COLORADO DERBY BUILDING
WICHITA, KANSAS 67202

API number: 15-009-24,381-0000

NW NW NW /4 SEC. 17, 20 S, 15 W
4950 feet from S section line
4950 feet from E section line

Operator license# 5418 Lease Unruh well # 1-17

Operator: Allen Drilling Company County Barton

Address: Box 1389 Well total depth 3960 feet
Great Bend, Kansas 67530 Conductor Pipe: 0 inch @ 0 feet
316-793-5681 Surface pipe 8 5/8 Inch @ 1100 feet

128.70

Aband. oil well X, Gas well, Input well, SWD, D & A

Plugging contractor: Kelso Casing Pulling, Inc. License# 6050

Address: Box 347, Chase, Kansas 67524

Company to plug at: Hour: 11:00A.M Day: 2 Month: July Year: 92

Plugging proposal received from: Mike Kelso

Company: Allen Drilling Company Phone: 316-938-2943

Were: Order 300 sks. of 60/40 posmix - 10% gel. - 5 sks. hulls.

Plugging Proposal Received by: Gilbert G. Scheck

Plugging operations attended by agent? All [X], Part [], None []

Completed: Hour: 1:30P.M., Day: 2, Month: July, Year: 92

Actual plugging report: 8 5/8" @ 1100' w/425 sks. 5 1/2" @ 3952' w/150
sks. Top perf. @ 3814'. Plugged bottom with sand & 5 sks. cement to
3750'. Shot pipe 6 times and recovered 2129'. Pump in 5 1/2" casing
25 sks. cement followed with 5 sks. hulls in 275 sks. cement w/800 P.S.I.
Max. pressure on 8 5/8" - 800 P.S.I. Shut in @ 400 P.S.I.
Total sacks 300 cement.

Remarks:

Condition of casing(in hole): GOOD X BAD Anhy. plug: YES 1000 NO
Bottom plug(in place): YES X, CALC, NO Dakota plug: YES X
Plugged through TUBING, CASING X. Elevation: 2073

RECEIVED STATE CORPORATION COMMISSION

JUL 14 1992

CONSERVATION DIVISION Wichita, Kansas

I did not observe the plugging.

Gilbert G. Scheck

DATE 7-24-92

INV. NO. 35780

(agent)

Form CP-2/3

STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
200 Colorado Derby Building
Wichita, Kansas 67202

FORM CP-1
Rev.03/92

WELL PLUGGING APPLICATION FORM
(PLEASE TYPE FORM and File ONE Copy)

API # 15-009-24,381-0000 (Identifier number of this well). This must be listed for wells drilled since 1967; if no API# was issued, indicate spud or completion date.

WELL OPERATOR Allen Drilling Company KCC LICENSE # 5418
(owner/company name) (operator's)
ADDRESS P.O. Box 1389 CITY Great Bend
STATE Kansas ZIP CODE 67530 CONTACT PHONE # (316) 793-5681
LEASE Unruh WELL# 1-17 SEC. 17 T. 20 R. 15W (East/West)
NW - NW - NW - SPOT LOCATION/QQQQ COUNTY Barton

4950 FEET (in exact footage) FROM S (N) (circle one) LINE OF SECTION (NOT Lease Line)
4950 FEET (in exact footage) FROM E (W) (circle one) LINE OF SECTION (NOT Lease Line)

Check One: OIL WELL GAS WELL D&A SWD/ENHR WELL DOCKET#

CONDUCTOR CASING SIZE SET AT CEMENTED WITH SACKS
SURFACE CASING SIZE 8 5/8" SET AT 1100' CEMENTED WITH 425 SACKS
PRODUCTION CASING SIZE 5 1/2" SET AT 3952' CEMENTED WITH 150 SACKS

LIST (ALL) PERFORATIONS and BRIDGEPLUG SETS: 3880-84' 3827-32' 3814-18'

ELEVATION 2073-2078' T.D. 3960' PSTD 3929' ANHYDRITE DEPTH
(G.L./K.B.) (Stone Corral Formation)

CONDITION OF WELL: GOOD POOR CASING LEAK JUNK IN HOLE

PROPOSED METHOD OF PLUGGING WE WILL PLUG WELL ACCORDING TO THE RULES AND REGULATIONS
OF THE STATE OF KANSAS.

(If additional space is needed attach separate page)

IS WELL LOG ATTACHED TO THIS APPLICATION AS REQUIRED? IS ACO-1 FILED? Yes

If not explain why? N/A

PLUGGING OF THIS WELL WILL BE DONE IN ACCORDANCE WITH K.S.A. 55-101 et. seq. AND THE RULES AND REGULATIONS OF THE STATE CORPORATION COMMISSION.

LIST NAME OF COMPANY REPRESENTATIVE AUTHORIZED TO BE IN CHARGE OF PLUGGING OPERATIONS:

Allen Drilling Company PHONE# () 793-5681
ADDRESS P.O. Box 1389 City/State Great Bend, Kansas 67530

PLUGGING CONTRACTOR Kelso Casing Pulling, Inc. KCC LICENSE # 6050 682
(company name) (contractor's)
ADDRESS P.O. Box 347 Chase, Kansas 67524 PHONE # (316) 938-2943

PROPOSED DATE AND HOUR OF PLUGGING (If Known?) ASAP

PAYMENT OF THE PLUGGING FEE (K.A.R. 82-3-118) WILL BE GUARANTEED BY OPERATOR, OR AGENT

DATE: 5-22-92 AUTHORIZED OPERATOR/AGENT: [Signature]
(signature) MAY 26 1992

RECEIVED
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

4

Joan Finney
Governor

Jim Robinson
Chairman

F. S. Jack Alexander
Commissioner

Rachel C. Lipman
Commissioner

Judith McConnell
Executive Director

Brian Moline
General Counsel



Kansas Corporation Commission

NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION

May 29, 1992

Allen Drilling Co
Box 1389
Great Bend KS 67530

Unruh 1-17
API 15-009-24,381
NW NW NW
Sec. 17-20-15W
Barton County

Dear Operator:

This letter is to notify you that the Conservation Division is in receipt of your plugging proposal, form CP-1, for the above-captioned well.

Your CP-1 has been reviewed by the Conservation Division central office for completeness and to verify license numbers. The plugging proposal will now be forwarded to the district office listed below for review of your proposed method of plugging. Please contact the district office for approval of your proposed plugging method at least at five (5) days before plugging the well, pursuant to K.A.R. 82-3-113 (b). Failure to do so is punishable by an administrative penalty of up to \$1000. If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit.

It has recently come to my attention that the form CP-1 has been filed by operators other than the owner or operator of the well and without the consent of the owner or operator. The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well.

This notice in no way constitutes authorization to plug the above-captioned well by persons not having legal rights of ownership or interest in the well. This notice is void after ninety (90) days from the above date.

Sincerely,

David P. Williams
Production Supervisor

Conservation Division
William R. Bryson
Director
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, Kansas 67202-1286
Telephone (316) 263-3238

District: #4 2301 E. 13th
Hays, KS 67601
(913) 628-1200