

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

ORIGINAL

API NO: 15- 159-22331

County Rice

N/2-NE - NE - Sec. 21 Twp. 21S Rge. 9 X ^E W

330 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name Alden Storage Well # 24

Field Name Alden

Producing Formation Misener

Elevation: Ground 1670' KB 1679'

Total Depth 3400' K.B. PBDT 3384' K.B.

Amount of Surface Pipe Set and Cemented at 528' K.B. 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 9/17/92 JAH
(Data must be collected from the Reserve Pit)

Chloride content 62,000 ppm Fluid volume 1080 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 09362

Name: Williams Natural Gas Co.

Address Box 580

City/State/Zip Welda, Kansas 66091

Purchaser: _____

Operator Contact Person: Mike Murphy

Phone (913) 448-5888

Contractor: Name: Sterling Drilling

License: 5142

Wellsite Geologist: None

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.

_____ Gas _____ ENHR _____ SIGW

_____ Dry X Other (Core, WSW, Expl., Cathodic, etc)
Gas Storage

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. _____

5-25 6-4-92 6-16-92

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 [Signature]
Title Storage Superintendent Date 7-24-92

Subscribed and sworn to before me this 24 day of July, 19 92.

Notary Public Paul L. Olson

Date Commission Expires 12-18-95

PAUL L. OLSON
Notary Public - State of Kansas
My App. Exp. 12-18-95

8-3-92
RECEIVED OFFICE USE ONLY
STATE CORPORATION COMMISSION
Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
AUG 5 1992
Distribution
CONF. DIVISION SWD/Rep _____ NGPA
WICH. DIVISION Plug _____ Other
(Specify)

Operator Name Williams Natural Gas Co. Lease Name Alden Storage Well # 24

Sec. 21 Twp. 21S Rge. 9 East West County Rice

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.)

List All E.Logs Run:
 Dual Induction Laterlog
 Compensated Density Dual Spaced Neutron Log
 Segmented Bond Gamma Ray CCl

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	2798	-1119
Brown Lime	2934	-1255
Lansing	2962	-1283
B-KC	3247	-1568
Conglomerate	3261	-1582
Kinderhook	3272	-1593
Misener	3303	-1624
Maqoketa	3333	-1654

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	528'	KB 60x40 Poz	375	2% Gel 3% C.C.
Production	7 7/8"	5 1/2"	15.5	3397'	KB Lite 50x50 Poz	525 100	6% Gel 2% Gel

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4SPF	(100)	3303' - 3328'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 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: 3303' to 3328'

DISTRICT Great Bend KS

DATE 5-29-92

TO: HALLIBURTON SERVICES - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Williams Natural Gas Co (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 249 LEASE ALDEN Storage SEC. 21 TWP. 21S RANGE 9W

FIELD _____ COUNTY Rice STATE KS OWNED BY Sam

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>N</u>	<u>24#</u>	<u>8 5/8"</u>	<u>KB</u>	<u>528'</u>	
LINER						
TUBING						
OPEN HOLE				<u>528</u>	<u>530</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Set 8 5/8" Surface Pipe with 275 sks 40/60 por 37 cc
Total Pipe 531'

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
- a) 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.
 - b) 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:
 1. 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
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof
 3. 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.
 - c) 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
 - d) 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
 - e) 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.
 - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law
 - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished
 - h) 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 CORPORATION COMMISSION
I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT
SIGNED _____ DATE 5-29-1992
Wichita, Kansas
CONSERVATION DIVISION

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.

CUSTOMER

JOB LOG

15.159-22331.0000

WELL NO. 24

LEASE HIDE Storage

TICKET NO. 245666-3

ORION

OWNER Williams Natural Gas

PAGE NO. 1

FORM 2013 R-2

JOB TYPE Surface Pipe

DATE 5-29-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	16 30							On Location
	18 10							Break Circulation (
	18 15	6	0				150	Start Mixing
	18 30	6	84 g				250	Finish Mixing
	18 33							- Release Plug
	18 35		0					100 Start Displacement
	18 40		18					400 Good Returns 15:40-18:40
	18 45		33.0					450 Plug Down
	18 48							200 Start IN
	18 50							100 sh up
	19 30							Job Complete
								Thanks
								Glen, Wayne

RECEIVED
STATE CORPORATION COMMISSION

AUG 3 1992

CONSERVATION DIVISION
WICHITA, Kansas

CUSTOMER

WELL DATA

FIELD: 21 TWP: 21s RNG: 9w COUNTY: Rice STATE: KS

FORMATION NAME: _____ TYPE: _____

FORMATION THICKNESS: _____ FROM: _____ TO: _____

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

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

COMPLETION DATE: _____ MUD TYPE: _____ MUD WT. _____

PACKER TYPE: _____ SET AT: _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLS OUT DATE <u>5-29-92</u>	ON LOCATION DATE <u>5-29-92</u>	JOB STARTED DATE <u>5-29-92</u>	JOB COMPLETED DATE <u>5-29-92</u>
TIME <u>4 00</u>	TIME <u>16 30</u>	TIME <u>17 45</u>	TIME <u>19 30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
<u>G. Byerly 82866</u>	<u>5-797</u>	<u>6T</u>
<u>W. Wilson 89371</u>	<u>COMP</u>	<u>6T</u>
		<u>Pratt KS</u>

DEPARTMENT: Cement

DESCRIPTION OF JOB: 8 3/8 Surface Pipe

JOB DONE THRU TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE: X M. W. [Signature]

HALLIBURTON OPERATOR: Glen Byerly COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT/SK	MIXED LBS/GAL
	<u>375</u>	<u>70/60</u>	<u>P27</u>	<u>B</u>	<u>37.65</u>	<u>1.27</u>	<u>14.50</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & DKDN. BBL-GAL _____ PAD BBL-GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPE. BBL-GAL 32 8

SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY 87 8 STATE CORPORATION COMMISSION

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL _____

REMARKS: 11/2 1992

TREATING _____ DISPL _____ CEMENT LEFT IN PIPE _____ OVERALL _____

FEET: 15 REASON: Request

CONSERVATION DIVISION
Wichita, Kansas

DISTRICT Great Bend

DATE 6-4-92

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

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

WELL NO. 224 LEASE AIDEN Storage SEC 21 TWP. 21 S RANGE 9 W

FIELD _____ COUNTY Rice STATE KS OWNED BY Same

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>1</u>	<u>155</u>	<u>5 7/8</u>	<u>A.B.</u>	<u>3359'</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>3359</u>	<u>3700'</u>	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Set 9 5/8" casing to 325 sks H. use light #1 thick. 700 sks
H. use light #1 #1 thick. 1 #1 thick. 100 sks 50/50 P. 100 sks
100 sks 200 #1-322 #1 to 100 flush to 700 sks salt
100 sks 1200 sks 1100 sks Total P. 3400'

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 WWS THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms listed 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.
- b) 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:
 1. 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.
 2. Reservoir formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. 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.

- c) 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 its 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.
- d) 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.
- e) 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 occur at sea and delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) 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 6-4-92

TIME 3:30 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.

CUSTOMER

CUSTOMER Williams
LEASE AID-0 Skragg
WELL NO # 24
JOB TYPE Long string
DATE 6-9-92

WELL DATA

FIELD 21 SEC. 215 TWP. 9W COUNTY Rice STATE Ks

FORMATION NAME _____ TYPE 11

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>155</u>	<u>5 1/2</u>	<u>KB</u>	<u>3399'</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 3/8</u>	<u>3399</u>	<u>3400</u>	- SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<u>6-3-92</u>	<u>6-3-92</u>	<u>6-4-92</u>	<u>6-4-92</u>
DATE	DATE	DATE	DATE
TIME <u>18:00</u>	TIME <u>23:00</u>	TIME <u>00:30</u>	TIME <u>04:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Logart 5 1/2</u>	<u>1</u>	<u>Houco</u>
FLOAT SHOE		
GUIDE SHOE <u>Rm 5 1/2</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>S-4 5 1/2</u>	<u>5</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>Su 5 1/2</u>	<u>1</u>	<u>"</u>
HEAD <u>R. H. 5 1/2</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER <u>Baskets</u>	<u>3</u>	<u>"</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
<u>W. Byrly 53826</u>	<u>5177</u>	<u>lt</u>
<u>W. Wilson 89377</u>	<u>comb</u>	<u>Band</u>
<u>J. W. Row 62513</u>		<u>PRG H</u>
<u>E. W. B. H. 62531</u>	<u>4142</u>	<u>PRG H</u>
	<u>5621</u>	

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

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC RED AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB Sh. Long string

JOB DONE THRU TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE X W. Wilson

HALLIBURTON OPERATOR W. Byrly COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT/SK	MIXED LBS/GAL
	<u>325</u>	<u>H. 100 1.44</u>		<u>6</u>	<u>1/2" F. P. C. C.</u>	<u>1.84</u>	<u>1274</u>
	<u>200</u>	<u>H. 100 1.44</u>		<u>6</u>	<u>1/2" F. P. C. C. 10% F. L. S. +</u>	<u>2.04</u>	<u>1134</u>
	<u>100</u>					<u>1.49</u>	<u>1374</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE

FEET 1180 REASON Shut in

SUMMARY

VOLUMES

PRESLUSH 20112 GAL

LOAD & BKDN. 205.7 BBL-GAL

TREATMENT 205.7 BBL-GAL

CEMENT SLURRY 205.7 BBL-GAL

TOTAL VOLUME 205.7 BBL-GAL

REMARKS 5.14 Super Flush

STATE CORPORATION COMMISSION

AUG 6 1992

REMARKS Conservation Division

Wishon, Kansas

Conservation Division