

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

Operator: License # 09362

Name: Williams Natural Gas Co.

Address Box 580

City/State/Zip Welda, Kansas 66091

Purchaser: N/A

Operator Contact Person: Mike Murphy

Phone (913) 448-5888

Contractor: Name: Sterling Drilling

License: 5142

Wellsite Geologist: None

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:
Gas Storage

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. _____

5-15-92 5-20-92 6-11-92
Spud Date Date Reached TD Completion Date

API NO. 15- 159-22325-0000

County Rice

NW - NW - NW - Sec. 22 Twp. 21S Rge. 9 E

4957 Feet from (S)N (circle one) Line of Section

4966 Feet from (E)W (circle one) Line of Section

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

Lease Name Alden Storage Well # 15

Field Name Alden

Producing Formation Misener

Elevation: Ground 1670' KB 1679'

Total Depth 3400' K.B. PBDT 3359' K.B.

Amount of Surface Pipe Set and Cemented at 528' K.B. 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.

Drilling Fluid Management Plan ALT 1 9/17/92 JAH
(Data must be collected from the Reserve Pit)

Chloride content 35,000 ppm Fluid volume 1285 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. _____

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.

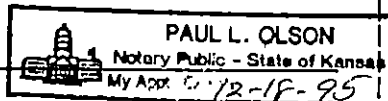
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Mike Murphy

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

RECEIVED AUG 5 1992 K.C.C. OFFICE USE ONLY Letter of Confidentiality Attached Wireline Log Received Geologist Report Received Distribution [X] KCC [] SWD/Rep [] NGPA [] KGS [] Plug [] Other (Specify)

Operator Name Williams Natural Gas Co. Lease Name Alden Storage Well # 15

Sec. 22 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	2798	-1119
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Brown Lime	2929	-1250
List All E.Logs Run:		Lansing	2954	-1275
Dual Induction		B-KC	3242	-1563
Spectral Density Dual Spaced Neutron II		Conglomerate	3258	-1579
Segmented Bond Gamma Ray		Kinderhook	3272	-1593
Corrosion Protection Evaluation		Misener	3302	-1623
		Maqoketa	3342	-1662

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' K.B.	60x40 Poz	375	2% Gel 3% C.C.
Production	7 7/8"	5 1/2"	15.5	3399' KB	Lite 50x50 Poz	550	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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	140 (shots) 3305' - 3340'	N/A	

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

Disposition of Gas:	<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval
				3305'
				3340'

DISTRICT P12H

DATE 5-14-92

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 SERVICES

WELL NO. [REDACTED] LEASE Alder Storage SEC. 22 TWP. 21 RANGE 9
FIELD _____ COUNTY Rice 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	N	211	10		530	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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

Current 8 1/2" surface

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, 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 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 by the landing unit 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
AUG 1 1992

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

SIGNED _____ CUSTOMER

DATE 5-14-92

TIME _____ A.M./P.M.

JOB LOG

ORIGINAL

Williams natural gas

PAGE NO.

FORM 2013 R-2

JOB TYPE

Surface

DATE

5-14-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	8:15							Dr on location
	6:40							Break air
	7:01	5	0	1		150		Start to mix cement
	7:19		911.9	1		250		Cement mix
								Pull pin on plug
	7:22	5	0			150		Start Disp
	7:30	5	33.3	1		400		Plug Down
	7:30							close In
								Wash up
	7:50							Rick up
								circ 3 BBL cement to pit

Thank you

RECEIVED
STATE OF OKLAHOMA COMMISSION
AUG 3 1992

CONSERVATION DIVISION
TULSA, OKLAHOMA

3471-P

WELL DATA

LD. SEC. 22 TWP. 21 R. 9 COUNTY Rice STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		4	211	8.5/80		534	
LINER							
TUBING							
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION THICKNESS FROM TO

FORMATION PROD: OIL EPD. WATER EPD. GAS MCFD

PRESENT PROD: OIL EPD. WATER EPD. GAS MCFD

COMPLETION DATE MUD TYPE MUD WT.

CRACKER TYPE SET AT

BOTTOM HOLE TEMP. PRESSURE

LOG DATA TOTAL DEPTH

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
COAT COLLAR		
COAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	1	Houma
LEAD		
CRACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 5-14	DATE 5-14	DATE 5-14	DATE 5-14
TIME 7:00	TIME 2:15	TIME 6:30	TIME 7:45

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Blessing	53110	
Kreutzler	26414	L+B Bld
Garcabani	09334	Plant

MATERIALS

HEAT FLUID DENSITY LB/GAL-API

WATER FLUID DENSITY LB/GAL-API

PROP. TYPE SIZE LB.

PROP. TYPE SIZE LB.

CID TYPE GAL %

CID TYPE GAL %

CID TYPE GAL %

SURFACTANT TYPE GAL IN

EMULSION AGENT TYPE GAL IN

FLUID LOSS ADD. TYPE GAL-LB IN

SEALING AGENT TYPE GAL-LB IN

CRIC. RED. AGENT TYPE GAL-LB IN

CRACKER TYPE GAL-LB IN

LOCKING AGENT TYPE GAL-LB

FRYPAC BALLS TYPE QTY.

OTHER

OTHER

DEPARTMENT *Control*

DESCRIPTION OF JOB *Cement Surface*

JOB DONE THRU: TUBING CASING ANNULUS TOG/ANN.

CUSTOMER REPRESENTATIVE *X* *See 118*

HALLIBURTON OPERATOR *Tom Kreutzler*

COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS/GAL
	375	<i>110/2</i>		<i>B</i>	<i>34.00</i>	1.27	111.3

PRESSURES IN PSI

SUMMARY

VOLUMES

RECEIVED

CIRCULATING DISPLACEMENT

BREAKDOWN MAXIMUM

AVERAGE FRACTURE GRADIENT

SHUT-IN: INSTANT 5-MIN. 10-MIN.

HYDRAULIC HORSEPOWER

ORDERED AVAILABLE AVERAGE RATES IN BPM USED

TREATING DISPL. CEMENT LEFT IN PIPE OVERALL

REASON *log out*

PRESLUSH: BBL-GAL

LOAD & BKDN: BBL-GAL

TREATMENT: BBL-GAL

CEMENT SLURRY: BBL-GAL *921.9*

TOTAL VOLUME: BBL-GAL *718.1*

REMARKS

STATE CORPORATION COMMISSION

PAD: BBL-GAL

DISPL: BBL-GAL *33092*

AUG 5 1992

CONSERVATION DIVISION

Wichita, Kansas

DISTRICT Great Bend

DATE 5-20-92

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. [REDACTED] LEASE AIDE Storage Field SEC 22 TWP. 21 S RANGE 96

FIELD _____ COUNTY Rice STATE KS OWNED BY Some

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>11</u>	<u>15.5</u>	<u>3 1/2</u>	<u>KB</u>	<u>3395'</u>	
LINER						
TUBING						
OPEN HOLE				<u>3395'</u>	<u>3400'</u>	<u>SHOTS/FT.</u>
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Set 5 1/2" long string with 250 sks light 1/2" FLOCCIE
200 sks light 1/2" floccie, 10# bitumite, and 126 sks 40/60 P02
752 Hold-322, 10# bitumite

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, 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 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 testing 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.

AUG 5 1992

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

SIGNED [Signature] CUSTOMER

DATE 5-19-92

TIME 2:30 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.

FORM 2013 R-2

JOB TYPE Long string DATE 5-20-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							On Location
	0215							Rev Float Equipment 00.15 Lin + 1-3-5-07-4 Best at Halfway
	0115							Casing on Bottom
	0230							Break Circ (Rig Pump)
	0200	6	20					300 Rev Salt Flush (Drawn out)
	0204	6	3					300 Rev Spacer
	0203	6	12					250 Rev Spacer
	0208	6	3					250 Rev Spacer
								the Rot hole ^{leave cut} at ^{Reverse hole} 15 strokes
	0210	6	0					200 Start Mixing Lead 1
	0225	7	819					200 Start Mixing Lead 2
	0224	7	820					250 Cement on Bottom
	0236	5	154					275 Start Mixing Tail cut
	0240	5	182					500 Flush Mixing
	0242							Wash out lines / Release Plug
	0244	8	0					200 Start Displacement
	0252	6	15					100 Decrease Rate
	0258	4						1500 Land Plug (No Circ Start)
	0300		80.5					- Release PST - Float Held Wash up
								Job Complete
								Thanks
								Glenn, Kevin

RECEIVED
 STATE OF OHIO
 AUG 10 1992
 CONSERVATION DIVISION

WELL DATA

FIELD: 22 TWP: 21 S. R14 COUNTY: Rice STATE: KS

FORMATION NAME: TYPE: _____

FORMATION THICKNESS: FROM: _____ TO: _____

INITIAL PROD. OR: SPD. WATER: SPD. GAS: MCFD

PRESENT PROD. OR: SPD. WATER: SPD. 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 FB ALLOWABLE
CASING	1	155	5"	KA	3374	
LINER						
TUBING						
OPEN HOLE			7 7/8"	3374	3400	SHOT/BTT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR 1/2" 9 1/2"	1	Humeo
FLOAT SHOE		
GUIDE SHOE Key 5 1/4"	1	"
CENTRALIZERS 3/4"	5	"
BOTTOM PLUG		
TOP PLUG 5/8"	1	"
HEAD		
PACKER		
OTHER Basket	1	"

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
17:00 DATE 5-19	2230 DATE 5-19	5:00 PM DATE 01 00	5:00 PM DATE 04 00

MATERIALS

TREAT. FLUID: DENSITY: LB/GAL API

DISPL. FLUID: DENSITY: LB/GAL API

PROP. TYPE: SIZE: LB

ACID TYPE: GAL

SURFACTANT TYPE: GAL IN

NE AGENT TYPE: GAL IN

FLUID LOSS ADD. TYPE: GAL-LB IN

GELLING AGENT TYPE: GAL-LB IN

FRIC. RED. AGENT TYPE: GAL-LB IN

BREAKER TYPE: GAL-LB IN

BLOCKING AGENT TYPE: GAL-LB

PERFPAC BALLS TYPE: QTY.

OTHER:

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. Byrd	82866 51736	GT Bend
K. Easley	68500 4142	Bend
J. Arcos	56466 3621	Pitt
P. Henry	55279 4124	Pitt
	7488	

DEPARTMENT: Cement

DESCRIPTION OF JOB: 5" casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: X [Signature]

HALLIBURTON OPERATOR: K. D. [Signature]

COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL
1	250	1 bag	Humeo	B		1.84	16.74
2	200	1 bag	Humeo	B		2.04	17.34
3	100	1 bag	24/50	10/50	50/100	1.46	13.24

PRESSURES IN PSI

SUMMARY

VOLUMES

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: 33 REASON: Shut in

PRESLUSH: BBL-GAL 20112 TYPE: 5 1/4" Sp. 11 1/2"

LOAD & BRDN: BBL-GAL _____

TREATMENT: BBL-GAL _____

CEMENT SLURRY: BBL-GAL 181

TOTAL VOLUME: BBL-GAL _____

REMARKS: AUG 3 1992

Williams - Initial Case - APD - Storage - 15 - Job Type - Cement - DATE - 5-20-92