

# ORIGINAL

SIDE ONE

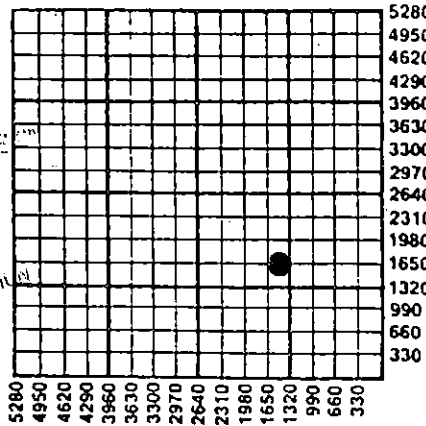
STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 9534  
Name: Hixon Development Company  
Address P.O. Box 2810  
Farmington, N.M. 87499  
City/State/Zip  
Purchaser: N/A  
Operator Contact Person: Aldrich L. Kuchera  
Phone ( 505 ) 326-3325  
Contractor: Name: Sage Drilling Co.  
License: Unknown  
Wellsite Geologist: Perry Tuttle

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc)

If **OWO**: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
4-27-90 5-4-90 P&A 5-5-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 119-20803-50-00  
County Meade  
SW NW SE Sec. 5 Twp. 35S Rge. 29 XX East West  
1650  Ft. North from Southeast Corner of Section  
1400  Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Adams Ranch Well # 1-5  
Field Name Adams Ranch  
Producing Formation N/A  
Elevation: Ground 2411' KB 2421'  
Total Depth 5480' PBTD N/A



Amount of Surface Pipe Set and Cemented at 1566' KB 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 Aldrich L. Kuchera  
Title President Date MAY 29 1990  
Subscribed and sworn to before me this 29<sup>th</sup> day of May 19 90.  
Notary Public Debra A. Shelton  
Date Commission Expires July 30, 1991

**K.C.C. OFFICE USE ONLY**  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep.  NGPA  
 KGS  Plug  Other (Specify)

**SIDE TUB**

Operator Name Hixon Development Company Lease Name Adams Ranch Well # 1-5  
 Sec. 5 Twp. 35S Rge. 29  East  West County Meade

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr><td>Council Grove</td><td>2888'</td><td></td></tr> <tr><td>Heebner</td><td>4332'</td><td></td></tr> <tr><td>Toronto</td><td>4412'</td><td></td></tr> <tr><td>Lansing</td><td>4484'</td><td></td></tr> <tr><td>Kansas City</td><td>5030'</td><td></td></tr> <tr><td>Marmaton</td><td>5202'</td><td></td></tr> <tr><td>Novinger</td><td>5264'</td><td></td></tr> <tr><td>Cherokee</td><td>5450'</td><td></td></tr> </tbody> </table>	Formation Description			Name	Top	Bottom	Council Grove	2888'		Heebner	4332'		Toronto	4412'		Lansing	4484'		Kansas City	5030'		Marmaton	5202'		Novinger	5264'		Cherokee	5450'	
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**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"	24#	1556'KB	Light	570	2% CaCl & 1/4#/sk.
					Class "H"	250	celliphane flakes

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
	N/A	N/A

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

Date of First Production <u>P &amp; A</u>	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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval  
N/A





**WELL DATA**

FIELD \_\_\_\_\_ SEC. 5 TWP. 35<sup>s</sup> RNG. 29<sup>w</sup> COUNTY Meade 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 \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING				ORIGINAL		
LINER		See				
TUBING			1 1/2" ECK			
OPEN HOLE				6000		SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
TYPE AND SIZE <u>8 1/2</u>		
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>wooden</u>	<u>1</u>	<u>Hawco</u>
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-5</u>	DATE <u>5-5</u>	DATE <u>5-5</u>	DATE <u>5-6</u>
TIME <u>1800</u>	TIME <u>2000</u>	TIME <u>2350</u>	TIME <u>0430</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Carr</u>	<u>3345</u>	<u>Liberal Ks</u>
<u>B. Young</u>	<u>59179</u>	<u>"</u>
<u>J. Davis</u>	<u>014472 P</u>	<u>"</u>
	<u>1539</u>	<u>Hogtown Ks</u>
	<u>09202</u>	<u>7649</u>

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_

SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_

FRIG. RED. AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_

PERFPAQ BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Leakoff

DESCRIPTION OF JOB Plug To Abandon

JOB DONE THRU: TUBING  DR  ANNULUS  TBC/ANN.

CUSTOMER REPRESENTATIVE X O. Dean M. Powell

HALLIBURTON OPERATOR D. Carr COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>175</u>	<u>40/40</u>	<u>Poz.</u>	<u>6% Gel</u>	<u>JUN 28 1990</u>	<u>1.43</u>	<u>13.7</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PREFLUSH: BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL \_\_\_\_\_ DISPL. BBL-GAL 48

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL 44.56

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL-GAL \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

CUSTOMER: Alvins Development

LEASE: Alvins Lease

WELL NO.: 1-5

JOB TYPE: Plug To Abandon DATE: 5-5-90

WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA

ORIGINAL P. 2/5

FORM 1908 R-7

ATTACH TO INVOICE & TICKET NO. 657997

DISTRICT Liberal Ks

DATE 5-5-90

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

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

WELL NO. 1-5 LEASE Adams Brook SEC 5 TWP. 35S RANGE 29W

FIELD \_\_\_\_\_ COUNTY Moade STATE Ks OWNED BY Hison Development

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		<del>24</del>	<del>24</del>	8 5/8	GL	1560	
LINER							
TUBING							
OPEN HOLE				7 7/8	1560	5480	SHOVS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  ~~24~~  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED  
Plug To Abandon w 175 sk 6 1/4 Pz 6% Gal 2550 w/50 sk 15 sk at Hole  
1580 w/ 50 sk 10 sk Above Hole  
800 w/ 40 sk  
0-40 w/ 10 sk

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 12% 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. This 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.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT  
SIGNED Charles M. Powell CUSTOMER  
DATE \_\_\_\_\_

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. TIME \_\_\_\_\_ A.M. P.M.

FIELD OFFICE

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							Time Collected
	NOW							Time Ready
	1000							Time out of
	<del>2350</del>							Run Lay Down Drill Pipe
	<del>0010</del>							Run Hookup To Casing Hole for 1 <sup>st</sup> Plug
	0015							1 <sup>st</sup> Plug Set AT 2550' w 50 <sup>SE</sup> 60/40 Poz 6 <sup>th</sup> Col
	0022	5	10					Hookup To Drill Pipe & Mud Line
	0025		12.7					Start Water Alend
	0029		3.5					Start Mixing Cement
	0030		2.8					Start Washup Tub & Lines
	0035							Start Displacement w/ Mud.
								Shut Down & Break Loss
								2 <sup>nd</sup> Plug Set AT 1590' w 50 <sup>SE</sup> 60/40 Poz 6 <sup>th</sup> Col
	0110							Hookup To Drill Pipe
	0113	5	10					Start Water Alend
	0116		12.7					Start Mixing Cement
	0117		3.2					Start Washup Tub & Lines
	0118		15.2					Start Displacement w/ mud.
	0121							Shut Down & Break Loss
								3 <sup>rd</sup> Plug Set AT 800' w 40 <sup>SE</sup> 60/40 Poz 6 <sup>th</sup> Col
	0140							Hookup To Drill Pipe
	0143	5	10					Start Water Alend
	0145		10.1					Start Mixing Cement
	0148		3.2					Start Washup Tub & Lines
	0149		5					Start Displacement
	0150							Shut Down & Break Loss
								Run Finish Pull Drill out of Hole
								PULL PAT + Mouse Hole & PULL BOP
	0400							Push Top Woodrow Plug Down w/ OP
	0403							4 <sup>th</sup> Plug Hookup To Drill Pipe
	0406	1						Start Mixing Cement 10 <sup>SE</sup>
	0408		2.5					Circulate Cement To Groundhead
	0409							Shut Down
								5/6 Set Pat Hole w/ 15 <sup>SE</sup> & Mouse Hole w/ 15 <sup>SE</sup>
	0415		1.3					Circulate Cement To Groundhead
	0430							Finish w/ Job

Thomson Toolbitting Halliburton Service: Name & Class