

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

Operator: License # 6030

Name: Ainsworth Operating Company

Address Box 1269

Colorado Springs, CO. 80901

City/State/Zip

Purchaser: none

Operator Contact Person: Kent R. Roberts

Phone (316) 262-5300

Contractor: Name: Allen Drilling Co.

License: 5418

Wellsite Geologist: Kent R. Roberts

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Frontier Oil Company

Well Name: Fair #1

Comp. Date 3/6/59 Old Total Depth 3567

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12/19/92 12/20/92 1/21/93
Spud Date Date Reached TD Completion Date

API NO. 15- 185-01,047-00-00

County Stafford

- SW - SW - NE Sec. 5 Twp. 22 Rge. 11 E

3025 Feet from SW (circle one) Line of Section

2310 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 Sleeper D Well # 1

Field Name Wildcat

Producing Formation None

Elevation: Ground 1750 KB 1763

Total Depth 3566 PBSD 3562

Amount of Surface Pipe Set and Cemented at 229 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 cnt.

Drilling Fluid Management Plan D+D 1-28-93
(Data must be collected from the Reserve Pit)

Chloride content 78000 ppm Fluid volume 1100 bbls

Dewatering method used Draw off any free water

Location of fluid disposal if hauled offsite:

Operator Name Ainsworth Operating Company

Lease Name Hammeke #3 SWD License No. 6030

SE Quarter Sec. 7 Twp. 22 S Rng. 11 E/W

County Stafford Docket No. D-25987

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 Kent R. Roberts

Title Kent R. Roberts / Geologist

Date 1/21/93

Subscribed and sworn to before me this 25th day of January, 1993.

Notary Public Leta Miller

Date Commission Expires 1-17-96

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
JAN 26 1993
WICHITA, KS

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

LETA MILLER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-17-96

Operator Name Ainsworth-Operating Company Lease Name Sleeper D Well # 1
 County Stafford
 Sec. 5 Twp. 22 Rge. 11 East West

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	Anhydrite	496	+ 1267
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3013	- 1250
List All E.Logs Run:		Brown Lime	3144	- 1381
Atlas Wireline: ZDLC/CN/GR		Lansing	3160	- 1397
DIFL/GR		B.K.C.	3409	- 1646
		Conglomerate Sand	3436	- 1673
		Viola	3460	- 1697
		Simpson Shale	3501	- 1738
		Simpson Sand	3506	- 1743
		Arbuckle	3543	-1780

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
8 5/8 surface set in 1959							
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		229			
Production	7 7/8	4 1/2	10.5	3562	60/40 poz	160	2% gel 10% salt

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
2 SPF	3478 to 3500	500 gal. 15% MA	
	4 1/2 Wireline B.P. @ 3475		
4 SPF	3436 to 3444	none	

TUBING RECORD							
Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input 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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



ORIGINAL WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15-185-01047-0001

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 298898

DISTRICT HAYS

DATE 12-21-92

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

WELL NO. 1 LEASE SLEIGHT D SEC. 5 TWP. 22S RANGE 11W
FIELD _____ COUNTY STAFFORD STATE KS OWNED BY SPANC

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 3567 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>10 1/2</u>	<u>4 1/2</u>	<u>0</u>	<u>3567</u>	<u>10000 PSI</u>
LINER						
TUBING						
OPEN HOLE					<u>3567</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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

Cont. Prod. ESG.

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 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.

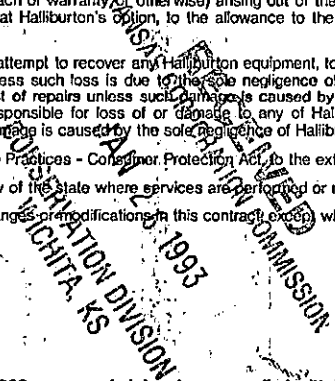
SIGNED Kent Roberts CUSTOMER

DATE 12-21-92

TIME 0700 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.

CUSTOMER



HALLIBURTON SERVICES JOB LOG

WELL NO. 1 LEASE SEELYER D TICKET NO. 248898

CUSTOMER AIRBORNE OPERATING CO PAGE NO. _____

JOB TYPE PLUG DATE 12-21-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0100							ORIGINAL Pumped out
	0330							oil cement Run 100000 Down 2.7
	1000							BREAK CASE (2.0 Pump)
	1115		30				300	Run 5000 cement / cement mix amt.
	1143							Run cement (17250 4.1)
	1145		2.49					Pump out Down 150
	1150	4 1/2					300	Shot Down (5000 cement case)
			4300					Run case Seal
	1205	8	0				400	Seal Down
	1215						1000	Seal Down
	1218							Seal out of hole
								Run case 100000 100000 cement / cement 100000 cement / cement
	1315							Seal out

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 26 1993
 CONSERVATION DIVISION
 WICHITA, KS

CUSTOMER

CUSTOMER: 15-185-000001
WELL NO.: 1
JOB TYPE: 1
DATE: 12-21-92

WELL DATA

FIELD: _____ SEC: 5 TWP: 22S RNG: 11W COUNTY: STAFFORD 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: 3567

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		70	4 1/2	0	3567	7200 PSI
LINER						
TUBING					3567	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR 1250RT	1	Horse
FLOAT SHOE F150.4P	1	"
GUIDE SHOE	1	"
CENTRALIZERS	4	"
BOTTOM PLUG		"
TOP PLUG	1	"
HEAD P.C.	1	"
PACKER		"
OTHER ROTO HEAD	1	"

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-21	DATE 12-21	DATE 12-21	DATE 12-21
TIME 08:00	TIME 08:30	TIME 09:30	TIME 13:15

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
M. BLYMAN	6000	CEN 2000 RS
C. GARDNER	5177	CEN 2000 RS
R. WARRLE	2600	ROTA KS.
T. GARDNER	5078	CEN 2000 RS

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

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

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT: UNIT

DESCRIPTION OF JOB: UNIT PROD. ES6

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: X Kent Rutherford

HALLIBURTON OPERATOR: M.R. Blyman COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	175	4102	60 STANDARD		2% ACE 10% SACT 5% HALAD-32 5 7/16 6 1/2 5077	1.40	14.27

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET: 40.14 REASON: 1250RT

VOLUMES

PREFLUSH: BBL-GAL. 20 / 10 TYPE: SALT/SUPERFLUSH

TREATMENT: BBL-GAL. _____

CEMENT SLURRY: BBL-GAL. 43.63

TOTAL VOLUME: BBL-GAL. _____

REMARKS

400' SALT FOR 2000S DEEPENST

CEMENT PIECES OF SACKS 1-2-4-6-8-10

ROTO SCATTERED 3 ON TOP OF 3RD JT 100 BAR 9th

10 SPS SUPERFLUSH F.L. PRE-FLUSH



**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

15-185-0 1047-0001

FOR INVOICE AND TICKET NO. **298598**

ORIGINAL

DATE 12-21-92	CUSTOMER ORDER NO.	WELL NO. AND FARM 1 SLEEPER "D"	COUNTY STAFFORD	STATE KS
CHARGE TO AINSWORTH OPERATING CO		OWNER SAME	CONTRACTOR ALLEN DELG CO	No. B136047
MAILING ADDRESS		DELIVERED FROM PRATT, KS.	LOCATION CODE 25555	PREPARED BY DON PARADIS
CITY & STATE		DELIVERED TO LOCATION	TRUCK NO. 2656/6660	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261			STANDARD CEMENT BLENDED 60%	105	sk			6.76	709	80
506-105	516.00286			POZMIX "A" BLENDED 40%	5180	lb			.058	284	90
506-121	516.00259			HALLIBURTON GEL 2% ALLOWED	3	sk				N/C	
508-291	516.00337			GILSONITE BLENDED 5#	900	lb			.40	360	00
509-968	516.00158			SALT BLENDED 10%	900	lb			.13	117	00
507-775	516.00144			HALAD-322 BLENDED .5%	75	lb			6.45	483	75
509-968	516.00158			SALT NOT MIXED	400	lb			.13	52	00
					Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES	TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET			
500-207				SERVICE CHARGE				CU. FEET	206	1.25	257 50
500-306				Mileage Charge	17.226		22	189.486		.88	161 06
No. B 136047					TOTAL WEIGHT			LOADED MILES	TON MILES		
					CARRY FORWARD TO INVOICE			SUB-TOTAL		2426 01	

THIS IS NOT AN INVOICE

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 26 1993
MINERALS DIVISION

CUSTOMER

