

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 # 5952

Name: Amoco Production Company

Address P.O. Box 800, Rm. 1833

City/State/Zip Denver, CO 80201

Purchaser: _____

Operator Contact Person: J. A. Victor

Phone (303) 830-4009

Contractor: Name: Murfin Drilling Company

License: 30606

Wellsite Geologist: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

12/18/90 1/4/91 1/5/91

Spud Date Date Reached TD Completion Date

API NO. 15- 071-20533-00-00

County Greeley

S/2 SE SW Sec. 12 Twp. 19S Rge. 43 East West

330 Ft. North from Southeast Corner of Section

3280 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

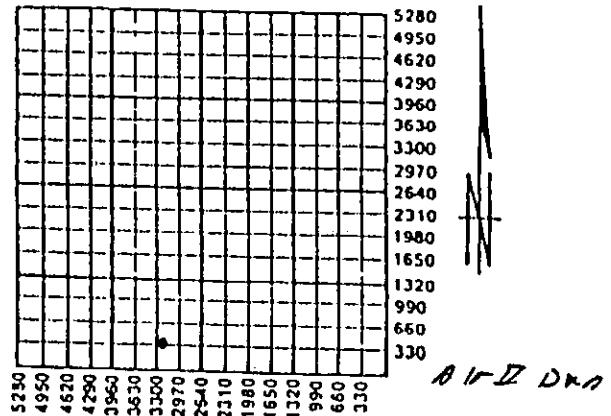
Lease Name Schmidt Well # 1-12

Field Name Wildcat

Producing Formation PxA

Elevation: Ground 3838' KB 3850'

Total Depth 5300' PBTD _____



RECEIVED
STATE CORPORATION COMMISSION

MAR 18 1991

CONSERVATION DIVISION
Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 501 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.

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-6 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 J. L. Hampton

Title Sr. Staff Admin. Supv. Date 2/19/91

Subscribed and sworn to before me this 19 day of February, 19 91.

Notary Public Julie A. Victor

Date Commission Expires 4/7/94

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

KCC Distribution

KGS SWD/Rep NGPA

Plug Other

(Specify)

ORIGINAL

SIDE TWO

Operator Name Amoco Production Company Lease Name Schmidt Well # 1-12

Sec. 12 Twp. 19 Rge. 43 East West
County Greeley

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.)

Formation Description

Log Sample

Name	Top	Bottom
Stone Corral	2440'	
Chase	2670'	
Admire	3435'	
Heebner	4010'	
Des Moines	4515'	
Upper Morrow	5060'	
Lower Morrow	5135'	
Mississippian	5230'	

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#	501'	60/40 POZ Common	135 150	2% gel, 3% cc 3% cc

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

TUBING RECORD Yes No
Size Set At Packer At Liner Run

Date of First Production	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 Coningled Other (Specify) _____

Production Interval _____

ORIGINAL WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 093178

DISTRICT Liberal Kansas

DATE 1-5-91

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

WELL NO. 1-12 LEASE Schmidt SEC. 12 TWP. 19S RANGE U34

FIELD COUNTY Greeley STATE Kansas OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS, INITIAL PROD., PRESENT PROD.

PREVIOUS TREATMENT: DATE TYPE MATERIALS STATE CORPORATION COMMISSION

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

Plug To Abandon with 265 sy HLC

RECEIVED MAR 18 1991

CONSERVATION DIVISION Wichita, Kansas

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... b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies... c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and reporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials... d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials... e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well... f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act... 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.

SIGNED CUSTOMER

DATE 1-5-91

TIME 0800 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.

RETAIN

ORIGINAL

WELL DATA

FIELD _____ SEC 12 TWP 19S RNG 43W COUNTY Greeley STATE Kansas

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	4	24	8 5/8	64	500	
LINER						
TUBING						
OPEN HOLE			7 7/8	500	5300	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-5-91	DATE 1-5-91	DATE 1-5-91	DATE 1-5-91
TIME 0100	TIME 0545	TIME 0600	TIME 1730

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Bill Sauter 64781	40078	Liberal
Joe Floyd 62652	RCM "P" 75374 BULK	Liberal
Ken Meyers 59018	4734	Hopewell

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-⁰API

DISPL. FLUID _____ DENISTY _____ LB/GAL-⁰API

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 _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Plug To Abandon

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR Bill Sauter COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	STATE CORPORATION COMMISSION	YIELD CU.FT./SK.	MIXED LBS./GAL
	265	HLC		B	1/4" Floccite	MAR 18 1991	1169	13.1
						CONSERVATION DIVISION Wichita, Kansas		

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL see Job log DISPL: BBL-GAL _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL _____

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

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REMARKS _____

FEET _____ REASON _____

CUSTOMER: Amoco
LEASE: Schmidt
WELL NO: 1-12
JOB TYPE: PTA
DATE: 1-5-91

JOB LOG

FORM 2013 R-2

ORIGINAL

WELL NO. 1-12 LEASE Schmidt TICKET NO. 093178
 CUSTOMER Amoco PAGE NO. _____
 JOB TYPE Plug To Abandon DATE 1-5-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0100 0545							Called out. on Location Rig ToH OPT collars
1	0945		15 32.5			250		SPOT 50sk Plug 2565-2292 DISP w/mud
2	1050		24 16.1			200		SPOT 80sk Plug 1570-1133 DISP w/mud
3	1145		15 8.9			200		SPOT 50sk Plug 900-627 DISP w/mud
4	1305		15 3.6			200		SPOT 50sk Plug 530-257 DISP w/mud
5	1405		3 0			100		SPOT 10sk Plug 30 ^{ft} -SURFACE DISP
6	1420		4.8 0			100		SPOT 15sk Plug Rat Hole DISP
7	1430		3 0			100		SPOT 10sk Plug mouse Hole DISP

RECEIVED
STATE CORPORATION COMMISSION

MAR 18 1991

CONSERVATION DIVISION
Wichita, Kansas

Job Complete
Thank you for calling
Halliburton Services
Bill Dauber and crew



HALLIBURTON SERVICES
Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET

NO. 093178 **8**

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>Schmidt 1-12</i>		COUNTY <i>Creeley</i>	STATE <i>Kansas</i>	CITY / OFFSHORE LOCATION <i>Tribune</i>	DATE <i>1-5-91</i>
CHARGE TO <i>Amoco</i>		OWNER <i>Same</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR <i>IMMURIN #25</i>	LOCATION 1 <i>Liberal</i>		CODE <i>25540</i>
CITY, STATE, ZIP		SHIPPED VIA <i>CC TRK</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 <i>Hugoton</i>
WELL TYPE		WELL CATEGORY	DELIVERED TO <i>Location</i>		LOCATION 3
TYPE AND PURPOSE OF JOB <i>Plan To Abandon</i>		WELL PERMIT NO. B-	ORDER NO.		REFERRAL LOCATION

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices 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 an attorney 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. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

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 FOR A PARTICULAR PURPOSE 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, product liability, 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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
<i>000-117</i>				MILEAGE	<i>163</i>	<i>mi</i>			<i>2.35</i>	<i>383</i>	<i>05</i>
<i>000-118</i>				<i>mileage surcharge</i>	<i>163</i>	<i>mi</i>			<i>.40</i>	<i>65</i>	<i>20</i>
<i>009-019</i>				<i>Fuel Charge</i>	<i>2565</i>	<i>Gal</i>	<i>8</i>	<i>hrs</i>		<i>1040</i>	<i>00</i>

RECEIVED
STATE CORPORATION COMMISSION
MAR 18 1991
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-**

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 CUSTOMER OR HIS AGENT (SIGNATURE)

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.

Bill Gault
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

EXTRA COPY

BULK MATERIALS DELIVERY

AND

ORIGINAL TICKET CONTINUATION

 FOR INVOICE AND
 TICKET NO. 093178


DATE 1-5-91	CUSTOMER ORDER NO.	WELL NO. AND FARM	COUNTY Greeley	STATE Ks.
CHARGE TO Amoco		OWNER	CONTRACTOR No. B 907017	
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks.	LOCATION CODE 25535	PREPARED BY Weal
CITY & STATE		DELIVERED TO Loc. WS Tribune Ks.	TRUCK NO. 4461/4734	RECEIVED BY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-118		2	B	Halliburton Light Cement	265	sk			6.16	1632.40	
507-210	890.50071	2	B	Flocele	66	lbs			1.30	85.80	
RECEIVED STATE CORPORATION COMMISSION MAR 18 1991 CONSERVATION DIVISION WASHINGTON, D.C.											
500-307		2	B	Mileage Surcharge	762.99				.10	76.30	
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		2	B	SERVICE CHARGE			CU. FEET	269	1.10	295.90	
500-306		2	B	Mileage Charge	23121 TOTAL WEIGHT	66 LOADED MILES	762.99 TON MILES		.75	572.24	
No. B907017		CARRY FORWARD TO INVOICE							SUB-TOTAL		