

15-153-20758-00-01 ORIGINAL

SIDE ONE

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

API NO. 15- 153-20,758-00-01

County Rawlins

50'E C NE NE Sec. 32 Twp. 1 Rge. 35  East West

4620 Ft. North from Southeast Corner of Section

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

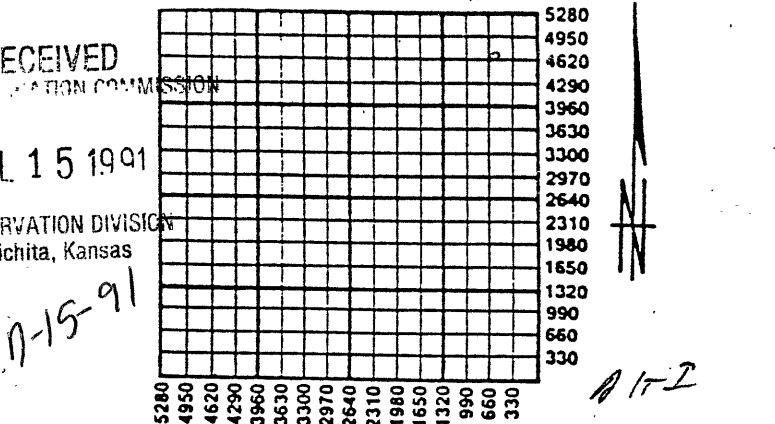
Lease Name Cahoj Well # 1

Field Name Kletchka

Producing Formation SWD Cedar Hills

Elevation: Ground 3232 KB 3237

Total Depth 3190 PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 302 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.

Operator: License # 8786

Name: Edward J. Cahoj

Address P.O. BOX 13

City/State/Zip McDonald, Ks. 67745

Purchaser: Salt Water Disposal

Operator Contact Person: Edward J. Cahoj

Phone 417-326-4486

Contractor: Name: Golden Eagle Drilling

License: 8682 STATE CORPORATION COMMISSION

Wellsite Geologist: James Dillie

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: Raymond Oil

Well Name: Cahoj #1

Comp. Date 6-22-90 Old Total Depth 4430

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

4-4-91 4-10-91 4-17-91  
Spud Date Date Reached TD Completion Date

**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 Edward J. Cahoj

Title operator Date 7/12/91

Subscribed and sworn to before me this 12 day of July, 19 91.

Notary Public Ronald P. Kolley

Date Commission Expires 3-17-93

**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)



A Division of Halliburton Company

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <b>Cobay #1 SWD</b>		COUNTY <b>Roubidoux</b>	STATE <b>Ks</b>	CITY / OFFSHORE LOCATION	DATE <b>4-6-91</b>
CHARGE TO <b>Ed Cobay</b>		OWNER <b>Ed Cobay</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		MITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS <b>Ed Cobay</b>		CONTRACTOR <b>G.E.D. #2</b>	LOCATION <b>1 Oberlin, Ks 67552</b>		CODE
CITY, STATE, ZIP		SHIPPED VIA <b>1501 S.W. 101</b>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION <b>2</b>	CODE
WELL TYPE <b>11 - Development</b>	WELL CATEGORY	WELL PERMIT NO.	DELIVERED TO <b>AW Atwood</b>	LOCATION <b>3</b>	CODE
TYPE AND PURPOSE OF JOB <b>035 - Cont. P. in Com.</b>		<b>B-946640</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.		
020-117		1		MILEAGE - 3579	40	mi			2.60	104.00
021-016		1		Pump Charge	3180	21	8	hr		1185.00
030-016		1		Swinger Top Plug	1	ea	4 1/2	in		35.00
213-009		1		Mud Flush	500	Gal			45	225.00
12A	825 201	1		Reg Guide Shoe	1	ea	4 1/2	in		83.00
24A	815 19101	1		Insert Float Valve	1	ea	4 1/2	in		73.00
27	815 19111	1		Auto Fill Assy	1	ea	1.0	in		27.50
40	8019 1004	1		S-4 Centralizer	7	ea	4 1/2	in	41.00	287.00
720	8008881	1		Cement Basket	2	ea	4 1/2	in	85.00	170.00

RECEIVED  
STATE CORPORATION COMMISSION  
JUL 15 1991  
CONSERVATION DIVISION  
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B-946640**

**4520.24**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X \_\_\_\_\_  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X \_\_\_\_\_  
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.

*[Signature]*  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL **167.92**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

EXTRA COPY

# BULK MATERIALS DELIVERY

## AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. **051410**

HALLIBURTON SERVICES  
A Division of Halliburton Company

DATE <b>6 April 1991</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Cahoj SWD</b>	COUNTY <b>Rawlins</b>	STATE <b>KS</b>
CHARGE TO <b>Dillie &amp; Cahoj</b>		OWNER <b>Dillie &amp; Cahoj</b>	CONTRACTOR <b>Golden Eagle Drig.</b>	No. <b>B 946640</b>
MAILING ADDRESS		DELIVERED FROM <b>Oberlin, KS</b>	LOCATION CODE <b>25529</b>	PREPARED BY <b>Lyle/</b>
CITY & STATE		DELIVERED TO <b>NW/Atwood, KS</b>	TRUCK NO. <b>1567 50181</b>	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		1	B	Standard Cement	75	sk			6.75	506.25			
506-105		1	B	Pozmix 'A'	50	sk			3.50	175.00			
506-121		1	B	(2) Halliburton Gel Allowed 2%						N/C			
509-968		1	B	Salt Granulated 10%	599	lb			.10	59.90			
507-145		1	B	CFR-2 .75%	79	lb			3.85	304.15			
507-970		1	B	D-Air-1 .25%	31	lb			2.55	79.05			
504-308		1	B	Standard Cement	176	sk			6.75	1,188.00			
506-105		1	B	Pozmix 'A'	94	sk			3.50	329.00			
506-121		1	B	(6) Halliburton Gel Allowed 2%						N/C			
507-277		1	B	Halliburton Gel Added 8%	18	sk			13.75	247.50			
507-285		1	B	Econolite	470	lb			.90	423.00			
507-210		1	B	Flocele 1/4#/sk.	68	lb			1.30	88.40			
<p>RECEIVED STATE COMMISSION COMMISSION MAY 15 1991 COMMISSION DIVISION Wichita, Kansas</p>													
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET		
500-207		1	B								444.	1.15	510.60
				SERVICE CHARGE							CU. FEET		
500-306		1	B	Mileage Charge	38,087		40		761.74		.80	609.39	
				TOTAL WEIGHT							LOADED MILES	TON MILES	
No. <b>B 946640</b>		CARRY FORWARD TO INVOICE							SUB-TOTAL		<b>4,520.24</b>		

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO.

ORIGINAL 051410

DISTRICT Oberlin, Ks

DATE 4-6-91

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

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

WELL NO. 1 sub LEASE Cahoy SEC. 32 TWP. 1s RANGE 35w

FIELD COUNTY Rawlins STATE Ks OWNED BY Ed Cahoy

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, THICKNESS, FROM, TO, PACKER TYPE, SET AT, TOTAL DEPTH, MUD WEIGHT, BORE HOLE, INITIAL PROD., PRESENT PROD., NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Handwritten treatment instructions: Cont 4 1/2" Prod Cong., 500 Gal Mud Flush - 270 stks H2O, 14 lb Flocrete, 125 stks Golyo B2, 2% Gel, 10% Salt, 75% CER-2, 25% D-Air as directed.

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... c) That because of the uncertainty of formation... d) That Halliburton warrants only that its products, materials and services are as described...

RECEIVED STATE CORPORATION COMMISSION

JUL 15 1991

CONSERVATION DIVISION Wichita, Kansas

SIGNED [Signature] CUSTOMER

DATE 4-6-91

TIME 12:15 hrs A.M. P.M.

RETAIN

WELL DATA  
FIELD \_\_\_\_\_ SEC. **32** TWP. **15** RANG. **35W** COUNTY **Rawlins** 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. **7 1/2" Hole** PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH **3190'**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	105	4 1/2"	153	3180	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES **4 1/2"**

TYPE AND SIZE	QTY.	MAKE
TRIP PIN	1ea	Hawco
GUIDE SHOE	1ea	"
CENTRALIZERS	1ea	"
BOTTOM PLUG	1ea	"
TOP PLUG	1ea	"
HEAD		
PACKER		
OTHER	2ea	"

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. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER **500 Gal Mud Flush**

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JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <b>4-6-91</b>	DATE <b>4-6-91</b>	DATE <b>4-6-91</b>	DATE <b>4-6-91</b>
TIME <b>0800</b>	TIME <b>1100</b>	TIME <b>1300</b>	TIME <b>1630</b>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
S. Odan	30654	Oberlin Ks
E. Reynolds	3514-RM HF-100	"
S. Lindsey		Duncan OK
M. McFarland	5014 RM-K	Oberlin Ks

DEPARTMENT **Cmt + Bulk**  
DESCRIPTION OF JOB **Cmt 4 1/2" Prod Cong**  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE **S. Odan**  
HALLIBURTON OPERATOR \_\_\_\_\_  
COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BLK SACKED	ADDITIVES	YIELD CU.FT./SK	WATER LBS./GAL
1	870	HDB	Std Ag	6	4 1/2" 1/2" Flocc	3.62	15.7
	125	Std-162	Reg	6	0.2% Gal. 10% 1/2" 75% 200 Mesh	1.30	14.54

PRESSURES IN PSI  
 CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET **13'** REASON **Shoe Jam**

SUMMARY  
 PRESLUSH: BBL-GAL **500** TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_  
 TREATMENT: BBL-GAL \_\_\_\_\_ DISP: BBL-GAL **50**  
 CEMENT SLURRY: BBL-GAL **17 1/2**  
 TOTAL VOLUME: BBL-GAL **265**  
 REMARKS  
**See Job log sheet**  
**Thank You S. Odan, Mike & Jim**

SERVICES  
LOG

FORM 2013 R-2

WELL NO. 1500 LEASE Cahaj  
 CUSTOMER Ed Cahaj  
 JOB TYPE Cmt 4 1/2" Prod Cong

TICKET NO. 051410  
 PAGE NO. 1  
 DATE 7-6-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							On hole - Rig crew haying down drill pipe - Set up Eq.
	1200							Fin haying down - Rig up to run 4 1/2" Cong
	1310							Start Cong in hole, Reg Guide St Insert / Auto Fill in 12' collar, Centralizers on collars 1, 3, 4, 5, 6, 19, 29, Cmt Bskts on Jts 20 and 30
	1417							Drop Ball - 6 Jts off bottom
	1425							Cong on bottom - Rig down Tong Rig up - Head to Mud Pump
	1435							Break Circ
	1457					700		Ball Thru - Circulate
	1455							Finish Circ - Head to Truck
	1500	5 1/2				300		Start 500 Gal (Blue) Flush
		" "	12-Flush			"		Start 270, sts 140h - 125 sts 6040 Pbs
	1540	-	703			-		Fin Cmt - Shut Down - Wash out Pump + Lines
	1542	6						Release Plug at D. spl.
	1550	-	50 1/2			1200		Plug Down - Holding
	1553					-		Release Plug - Insert not Hold
	1555					500		Close Release -
	1556		1/2 1/2			1200		Pump Plug Down
	1558					200		Release Pres - Close in Manifold "Got Mud Flush to Surf" "No Cmt Circ"
								Job Complete

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUL 15 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

Thank You  
 Smith, Eldon  
 M. J. [unclear]