

039-20,818-00-00

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 8981
Name Adeco, Inc. & Chambers
Address 310 East Ash
City/State/Zip Oberlin, Kansas 67749

Purchaser KOCH OIL

Operator Contact Person Lester Chambers
Phone 913-475-3468

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Paul Priatel
Phone 303 544 2111

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

If ONNO: old well info as follows:
Operator ADECO-INC & CHAMBERS
Well Name METCALF
Comp. Date 7-31-87 Old Total Depth 3870

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7/20/87 7/27/87 8-15-87
Spud Date Date Reached TD Completion Date
3,853' 3870
Total Depth PBD

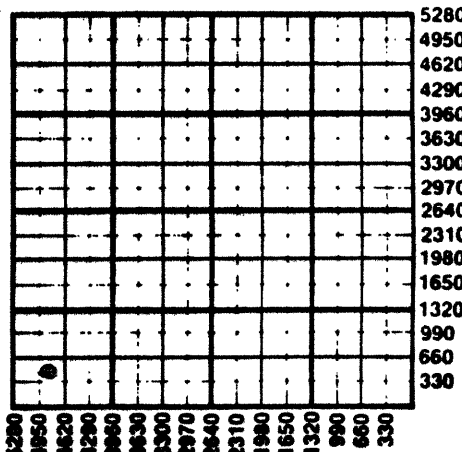
Amount of Surface Pipe Set and Cemented at 211.4 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 274 feet
If alternate 2 completion, cement circulated from 274 feet depth to 3759 w/ 160 SX cut 5-11-88 480 29

API NO. 15-039-20,818-00-00
County Decatur
430' FSL,
430' FWL SW/4 Sec 3 Twp 2S Rge 27W East West

430 Ft North from Southeast Corner of Section
4850 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Dole Metcalf Well # 1
Field Name Monaghan, North
Producing Formation Kansas City, Zone
Elevation: Ground 2556 KB 2561

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-5717

Source of Water:
Division of Water Resources Permit #
 Groundwater 100 Ft North from Southeast Corner
(Well) 800 Ft West from Southeast Corner of
Sec 23 Twp 1S Rge 27 East West
Don Macfee, Lebanon, Nebraska 69036
 Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 Lester L. Chambers
Title Date

Subscribed and sworn to before me this 16th day of MARCH 1988
Notary Public R. J. Metcalf
Date Commission Expires 4/13/89

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)

3-13-88
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-84)

Sec. 3 Twp 2 Rge 27 W

SIDE TWO

Operator Name Adeco, Inc. & Chambers Lease Name Dole Metcalf Well # 1

Sec. 3 Twp. 2S Rge. 27W East West County Decatur

WELL LOG

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.

Copies of Log have been sent.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 3414-3435 8 zone
 Initial Hydrostatic 1796 Tool open 30 min.
 Initial flow 32
 Final flow 34 Tool plugged
 Final Hydrostatic 1794 Test abandoned
 Recovered 10' of Dng mud - no show of oil

Dst #2 3437 - 3474 C zone
 Initial Hydrostatic 1831
 Initial flow 43
 Final flow 153 1st Flow 30
 Closed in 1165 1st cip 60
 Initial flow 153
 Final flow 238 2nd Flow 31
 Closed in 1131 2nd cip 60
 Final Hydrostatic 1830
 567' of Gas in pipe 441' of free gassy oil 36% gravity
 126' of oil out mud 30% oil 20% mud

Name	Top	Bottom
TOPEKA	-657	3218
Deer Creek	-727	3288
ORCAD	-762	3323
Toronto	-811	3372
A zone	-822	3382
B zone	-848	3409
C zone	-894	3455
D zone	-929	3490
E zone	-966	3527
F zone	-990	3551
G zone	-1010	3571
Marmaton	-1069	3630
Cherokee	-1183	3744
Arbuckle	-1215	3776
Granite	-1272	3833

*3 480
1920
1834*

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"	20#	219'	60/40 Poz	135	2% Gel 3% CC
Production	7 7/8"	4 1/2"	9.5#	3,759'	HDL Procepe per sx	350	7% Gilsomite, 150% sx Latex

1/4

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3455 to 3461	MCA ACID 15% 500 Gal HA 1.65 5 Gal SBA retarded acid 3000 Gal / 56 Gal 90 Gal HA 1.65 3 Gal / 15N 9 Gal CLA STA 11 9 Gal	3455-3461 " " " "

TUBING RECORD	Size <u>2 3/8</u>	Set At <u>3770</u>	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First Production 8-15-88 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	100				



METHOD OF COMPLETION

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed Conmingled

Production Interval

3437-74

INVOICE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 651046
DALLAS, TX 75265

INVOICE NO.	DATE
450833	07/27/1983

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER	
METCALF-BOLE 1		DECATUR		KS	ADECO INC.	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
OBERLIN		RED TIGER		CEMENT PRODUCTION CASING		07/27/1983
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA		FILE NO.
06665	PAUL PRIJATEL			COMPANY TRUCK		43268

ADECO INC
310 E ASH
OBERLIN, KS 67749

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	15	MI	2.10	31.50
		1	UNT		
001-016	CEMENTING CASING PUMP CHARGE	3754	FT	957.40	957.40
		1	UNT		
030-016	TYPE SW ALUMINUM PLUG-TOP	4 1/2	IN	31.00	31.00
		1	EA		
2 -009	MUD FLUSH	500	GAL	.45	225.00
1	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	83.00	83.00
25.201					
24A	INSERT FLOAT VALVE - 4 1/2"	1	EA	69.00	69.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19111					
40	CENTRALIZER 4-1/2" MODEL S-4	8	EA	41.00	328.00
807.93004					
320	CEMENT BASKET 4 1/2"	2	EA	85.00	170.00
800.8881					
504-308	STANDARD CEMENT	130	SK	6.75	877.50
507-613	LAP-1	130	LB	8.00	1,040.00
504-308	STANDARD CEMENT	228	SK	6.75	1,539.00
506-105	POZMIX A	122	SK	3.50	427.00
506-121	HALLIBURTON-GEL 2%	7	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	8	%	.74	259.00
		350	SK		
507-285	ECONOLITE	609	LB	.80	487.20
508-291	GILSONITE	2450	LB	.33	808.50
507-210	FLOCELE	88	LB	1.21	106.48
509-554	HALLIBURTON GEL	2	SK	6.30	12.60
509-968	SALT	100	LB		6.30
500-207	BULK SERVICE CHARGE	529	CFT		502.55
500-306	MILEAGE	368.60	TMI	.70	258.02

***** CONTINUED ON NEXT PAGE *****

RECEIVED
STATE CORPORATION COMMISSION

APR 29 1983

4-29-83
CONSERVATION DIVISION
Wichita, Kansas

TERMS 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.

INVOICE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 691086
DALLAS, TX 75265

INVOICE NO.	DATE
450833	07/27/1987

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER
METCALF-DOLE 1		DECATUR		KS	ADECO INC.
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
OBERLIN		RED TIGER	CEMENT PRODUCTION CASING		07/27/1987
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
006665	PAUL PRIJATEL			COMPANY TRUCK	43268

ADECO INC
310 E ASH
OBERLIN, KS 67749

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				8,246.55
	DISCOUNT-(BID)				2,246.55-
	INVOICE BID AMOUNT				6,000.00
	*-KANSAS STATE SALES TAX				235.19
	*-DECATUR COUNTY SALES TAX				58.81
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>				\$6,294.00

TERMS 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.