

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

Operator: License # 5886

Name: Chief Drilling, Inc.

Address 120 S. Market, #300

City/State/Zip Wichita, KS 67202

Purchaser: Koch

Operator Contact Person: Douglas W. Thimesch

Phone 216, 262-3791

Contractor: Name: Chief Drilling, Inc.

License: 5886

Wellsite Geologist: n/a

Designate Type of Completion

- New Well
 - Re-Entry
 - Workover
- Oil
 - Gas
 - Dry
 - SWD
 - ENHR
 - Other (Core, VSV, Expl., Cathodic, etc)
 - STOV
 - SIGV
 - Temp. Abd.

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

Operator: Abercrombie Drilling

Well Name: #1 Ball

Comp. Date 10-24-90 Old Total Depth 4685

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

Spud Date	Date Reached TD	Completion Date
<u>8-19-92</u>	<u>8-21-92</u>	<u>9-23-92</u>

APT NO. 15- 171 20415-0001

County Scott

SE SW SW Sec. 9 Twp. 19S Rge. 31 X E

330 Feet from SW (circle one) Line of Section

4290 Feet from SW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, SW or NW (circle one)

Lease Name Ball OWWO Well # 2-9

Field Name Grigston SW

Producing Formation Lansing

Elevation: Ground 2974 KS 2881

Total Depth 4685' PSTD 4251'

Amount of Surface Pipe Set and Cemented at 313 Feet
Surf. in hole when commenced

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2252 Feet

If Alternate II completion, cement circulated from Surf.

feet depth to 1300 w/ 325 sz cat.

Drilling Fluid Management Plan REWORK 12-17-93
(Data must be collected from the Reserve Pit)

Chloride content 31 ppm Fluid volume 300 bbls

Dewatering method used RELEASED

Location of fluid disposal if hauled offsite:

DEC 29 1993

Operator Name _____

Lease Name FROM CONFIDENTIAL Docket No. _____

Quarter _____ Sec. _____ Twp. _____ S. Rng. _____ E/W _____

County _____ Docket No. _____

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 Michael C. Rowe, Jr.
Title Controller Date 12-7-92

Subscribed and sworn to before me this 1 day of December 19 92.

Notary Public Betty M. Abbott

Notary Public
BETTY M. ABBOTT
STATE OF KANSAS
My Appt. Exp. 1-22-95

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

↓ Distribution

ECC SWD/Rep

KCS Plug

RECEIVED
STATE CORPORATION COMMISSION
DEC 17 1993
CONSERVATION DIVISION
(Wichita) Kansas

P1

Operator Name Chief Drilling, Inc.

Lease Name Ball OWWO

Well # 2-9

Sec. 9 Twp. 19S Rge. 31

East
 West

County Scott

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.)

List All E.Logs Run:

Bond Log (mailed KCC 9-24-92)

Log Formation (Top), Depth and Datum Sample

Name Top Datum

RELEASED

DEC 29 1993

FROM CONFIDENTIAL

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
Surf. csg. in hole		8 5/8		313		55	
Production		5 1/2"	15.5#	4680'	common	130	10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate	4685	Common	130	
Protect Casing	4270	common	100	10% salt (cement prod. csg)
Plug Back TD	2252	common	300	10% salt (squeeze)
Plug Off Zone	1300	common	325	Port Collar (Cem. did not circ.) Cement circulated

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
1	4606-4609' (Hydra Jet)	acidize w/250 gal 15% MCA, 500 gal 15%
3	4270'	INS, 1500 gal 15% INS Squeeze
4	4225-4228'	250 sx INS
3	1300'	Cement circulated -top of cem. @ surface

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
138 jts	2 8/8"	4240'		

Date of First, Resumed Production, SWD or Inj.	Producing Method
9-24-92	<input type="checkbox"/> Flowing <input checked="" 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
	20 BO	---	50 BW		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (if vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled

HALLIBURTON SERVICES

INVOICE

A Halliburton Company

INVOICE NO.	DATE
208169	08/31/1992
WELL/PLANT OWNER	

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
2-9	SCOTT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
	CHEYENNE	HYDRA JET SERVICE	08/31/1992		
NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
087	GARY LINDENMUTH			COMPANY TRUCK	39235

CHIEF DRILLING CO INC
BOX 240
HOISINGTON, KS 67544

JIB

RELEASED

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OR 73102-5601

DEC 29 1993

LINE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
0-117	MILEAGE	55	MI	2.60	143.00
1-205	MISCELLANEOUS PUMPING JOBS	2950	PSI	965.00	965.00
0-130	DELIVERY CHARGE (SMALL UNIT)	5	HR	30.00	150.00
6-235	HYDRA-JET TOOL	1	UNT	785.00	785.00
6-245	HYDRA-JETTING SERVICES	1	HR	PER 8 HR	
6-243	JETS	2	EA	340.00	340.00
6-228	STRIPPER TYPE HEAD	2	EA	45.00	90.00
		1	HR	140.00	140.00
		1	EA	PER 8 HR	
0-945	WC-19	200	LB	4.10	820.00
4-163	CLAYFIX II	16	GAL	20.00	320.00
0-366	BA-10	15	LB	2.55	38.25
4-100	MO-67	2	GAL	4.80	9.60
0-222	SACKED SAND 20/40 & SMALLER	40	SK	8.60	344.00

FROM CONFIDENTIAL

INVOICE SUBTOTAL

DISCOUNT-(BID)
INVOICE BID AMOUNT

4,144.05

746.06-

3,398.79

RECEIVED
AUG - 5 1992

8-117
129400
9/30/92
150200
20250

ENTERED SEP 11 1992

RECEIVED
STATE CORPORATION COM

DEC 17 1993

CONSERVATION DIVISION
Wichita, Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

3,398.79

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 WITH INTEREST

ORIGINAL

P.O. BOX 951046
WELLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
245901	08/21/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
L 2-9	SCOTT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
S CITY	CO. TOOLS	CEMENT PRODUCTION CASING	08/21/1992		
NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
987	GARY LINDENMUTH			COMPANY TRUCK	38654

CHIEF DRILLING CO INC
BOX 240
HOISINGTON, KS 67544

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

RELEASED

DEC 29 1993

FROM CONFIDENTIAL

DE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
CING AREA	EA - EASTERN AREA1				
0-117	MILEAGE	44	MI	2.60	114.40
1-016	CEMENTING CASING	4685	FT	1,365.00	1,365.00
0-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	50.00	50.00
8-317	SUPER FLUSH	10	SK	98.00	980.00
9-960	SALT	300	LB	.10	30.00
A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	121.00	121.00
25.205	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
15.1925	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
15.1931	CENTRALIZER 5-1/2" X 7 7/8"	7	EA	44.00	308.00
07.9302	CEMENT BASKET 5 1/2"	2	EA	90.00	180.00
00.8883	CEMENTER-FO-5-1/2 8RD 14-17#	1	EA	1,910.00	1,910.00
13.0150	STANDARD CEMENT	130	SK	6.06	787.80
9-960	SALT	550	LB	.10	55.00
7-775	HALAD-322	61	LB	6.30	384.30
7-970	D-AIR 1, POWDER	33	LB	2.95	97.35
8-127	CAL SEAL	6	SK	19.70	118.20
0-207	BULK SERVICE CHARGE	154	CFT	1.15	177.10
0-306	MILEAGE CMTG MAT DEL OR RETURN	296.208	TMI	.80	236.97
INVOICE SUBTOTAL					7,020.12

140-0300
2632.00
+ tax

RECEIVED
STATE CORPORATION COMMISSION

DEC 17 1993

CONSERVATION DIVISION
Wichita, Kansas

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

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UNLESS 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'S OBLIGATION TO PAY WILL BE

HALLIBURTON SERVICES

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

 A Halliburton Company

INVOICE NO.	DATE
246013	09/02/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
LL 2-9		SCOTT		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
SS CITY		CHEYENNE	SQUEEZE HOLE IN CASING		09/02/1992
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
2987	CARY LINDENMUTH			COMPANY TRUCK	39499

CHIEF DRILLING CO INC
BOX 240
HOISINGTON, KS 67544

RELEASED
DEC 29 1993

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
00-117	MILEAGE	50	MI	2.60	130.00
11-205	MISCELLANEOUS PUMPING JOBS	500	PSI	645.00	645.00
00-117	MILEAGE	50	MI	2.60	130.00
09-134	CEMENT SQUEEZE ^{RZ}	4250	FT	1,300.00	1,300.00
009-019		1	UNT		
04-308	STANDARD CEMENT	100	SK	6.06	606.00
09-268	SALT	450	LB	.10	45.00
00-207	BULK SERVICE CHARGE	107	CFT	1.15	123.05
00-306	MILEAGE CMTG MAT DEL OR RETURN	221.625	TMI	.80	177.30
INVOICE SUBTOTAL					3,156.35
DISCOUNT-(BID)					631.27-
INVOICE BID AMOUNT					2,525.08
*-KANSAS STATE SALES TAX					35.53
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,560.61

RECEIVED
STATE CORPORATION COMMISSION
DEC 17 1993
CONSERVATION DIVISION
Wichita, Kansas
\$2,560.61

TERMS INVOICES PAYABLE NET BY THE 25TH 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

ORIGINAL

P.O. BOX 951046
ALLAS, TX 75395-1046

HALLIBURTON SERVICES

INVOICE

A Halliburton Company

INVOICE NO.	DATE
245947	09/16/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
LL 2-9	SCOTT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
SS CITY	CHEYENNE WELL SVC	SQUEEZE HOLE IN CASING	09/16/1992
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
7987	GARY LINDENMUTH		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	39997

CHIEF DRILLING CO INC
BOX 240
HOISINGTON, KS 67544

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

RELEASED

INVOICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	ICING AREA - EASTERN AREA1				
00-117	MILEAGE	52	MI	2.60	135.20
		1	UNT		
09-134	CEMENT SQUEEZE	2252	FT	1,090.00	1,090.00
009-019		1	UNT		
16-228	STRIPPER TYPE HEAD			140.00	140.00
		8	HR	PER 8 HR	
		1	EA		
10-222	SACKED SAND 20/40 & SMALLER	2	SK	8.60	17.20
16-437	FO CMTR O/C POSITIONER 5 1/2"	1	EA	185.00	185.00
16-816	OPERATORS CHARGE			355.00	355.00
		8	HR	PER 8 HR	
00-117	MILEAGE	52	MI	2.60	135.20
		1	UNT		
09-134	CEMENT SQUEEZE	1300	FT	915.00	915.00
009-019		1	UNT		
30-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	50.00	50.00
		1	EA		
04-316	HALLIBURTON LIGHT W/STANDARD	200	SK	5.70	1,140.00
07-210	FLOCELE	50	LB	1.30	65.00
00-207	BULK SERVICE CHARGE	203	CFT	1.15	233.45
00-306	MILEAGE CMTG MAT DEL OR RETURN	480.740	TMI	.80	384.59
04-316	HALLIBURTON LIGHT W/STANDARD	400	SK	5.70	2,280.00
04-308	STANDARD CEMENT	30	SK	6.06	181.80
06-105	POZMIX A	1480	LB	.048	71.04
09-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	26.50	26.50
07-210	FLOCELE	100	LB	1.30	130.00
00-207	BULK SERVICE CHARGE	458	CFT	1.15	526.70
00-306	MILEAGE CMTG MAT DEL OR RETURN	1075.360	TMI	.80	860.29
	INVOICE SUBTOTAL				

DEC 29 1993

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

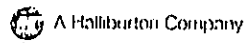
DEC 17 1993

CONSERVATION DIVISION
Wichita Kansas

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

TERMS: INVOICES PAYABLE NET BY THE 30TH OF THE FOLLOWING MONTH AFTER DATE OF SERVICE FROM CUSTOMER'S DEFERRED PAYMENT OF OPERATING ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE SERVICE IS RATED. CASH-BILLING IS AVAILABLE TO CUSTOMERS WHO WOULD LIKE TO PAY AT THE END OF EACH MONTH. CONTACT YOUR ACCOUNT MANAGER FOR MORE INFORMATION.

HA. BURTON SERVICES



INVOICE

INVOICE NO.	DATE
245947	09/16/1992
WELL/PLANT OWNER	

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
LL 2-9	SCOTT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
SS CITY	CHEYENNE WELL SVC	SQUEEZE HOLE IN CASING	09/16/1992
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
7987	GARY LINDENMUTH		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			39997

CHIEF DRILLING CO INC
BOX 240
HOISINGTON, KS 67544

RELEASED
DEC 2 9 1993

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

FROM CONFIDENTIAL

INVOICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	DISCOUNT - (BID) INVOICE BID AMOUNT				1,784.37 - 7,137.60
	*-KANSAS STATE SALES TAX				233.24
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$7,370.84

RECEIVED
SEP 23

9
CORP # 129110
DATE 10/16/93
ACCT. # 145020
20250
RECEIVED
CORPORATION COMMISSION
DEC 17 1993
CONSERVATION DIVISION
Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 30TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DELAYED 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 WITHIN 30 DAYS AFTER DELAY AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE AND TO BE COLLECTED BY THE CREDITORS OF THE CUSTOMER'S COMPANY TO THE EXTENT OF THE CUSTOMER'S ASSETS.

15-171-20415-00-01

10/9/92
deney

CHIEF DRILLING, Inc.

Drilling Contractors - Oil Producers

120 S. MARKET

SUITE 300

WICHITA, KANSAS 67202

October 9, 1992

OFFICE (316) 262-3791
FAX (316) 262-4504

ORIGINAL

[Handwritten mark]

V. RICHARD HOOVER
PRESIDENT

RELEASED

DEC 29 1993

Kansas Corporation Commission
Conservation Division
200 Colorado Derby Bldg.
Wichita, Kansas 67202

FROM CONFIDENTIAL

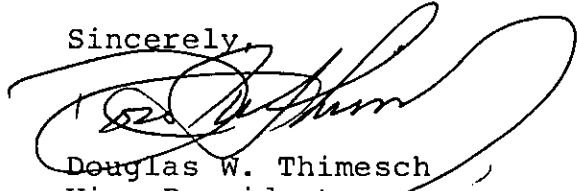
Re: #2-9 Ball OWWO
API #15-171-20,415-0001
SE SW SW, Sec. 9-19S-31W
Scott County, Kansas

Dear Sir:

We have completed the drilling of the above captioned well. It was completed as a producing well.

In accordance with rule #82-2-125D, Chief Drilling, Inc., operator of the above captioned well requests that all information be held in confidential custody by the Corporation Commission for an initial period of one (1) year from date of receipt.

Sincerely,



Douglas W. Thimesch
Vice President

DWT/bma

RECEIVED
STATE CORPORATION COMMISSION
OCT 12 1992
CONSERVATION DIVISION
Wichita, Kansas

15-171-20415-00-01

CHIEF DRILLING, Inc.

Drilling Contractors - Oil Producers

120 S. MARKET
SUITE 300
WICHITA, KANSAS 67202

ORIGINAL

DOUGLAS W. THIMESCH
PRESIDENT

OFFICE (316) 262-3791
FAX (316) 262-4504

December 16, 1993

RELEASED

DEC 29 1993

FROM CONFIDENTIAL

Mr. Jim Hemmen
Kansas Corporation Commission
202 W. First, #200
Wichita, Kansas 67202

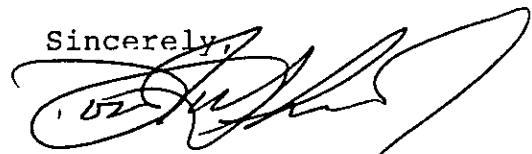
Re: #2-9 Ball OWWO
SE SW SW
Sec. 9-19S-31W
Scott County, Kansas
API #15-171-204150001

Dear Jim:

Enclosed find a copy of the ACO-1 on the above captioned well which our records indicate was filed December 1, 1992.

If I can be of further assistance please do not hesitate to contact me.

Sincerely,



Douglas W. Thimesch
President

DWT/bma

Encl:

RECEIVED
STATE CORPORATION COMMISSION

DEC 17 1993

CONSERVATION DIVISION
Wichita, Kansas