

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

Operator: License # 31594  
Name: Sonat Exploration Company  
Address 14000 Quail Springs Parkway, #100  
  
City/State/Zip Oklahoma City, OK 73134

Purchaser

Operator Contact Person : Jerry Ledlow

Phone ( 405 ) 749-5356

Contractor : Name : Abercrombie RTD Inc.

License : 30684

Wellsite Geologist : M. Bradford Rine

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 :  
Operator : APR 6 1998

Well Name :

Comp. Date FROM CONFIDENTIAL Total Depth

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No.   
 Dual Completion  Docket No.   
 Other(SWD or Inj?)  Docket No.   
2/27/97 3/10/97 3/12/97  
Spud Date Date Reached TD Completion Date

API NO. 15- 055-22529-01529-0000

County Finney

C - N/2 - NE - NE Sec. 15 Twp. 23S Rge. 34 X W

330 FNL Feet from SN (circle one) Line of Section

660 FEL Feet from EW (circle one) Line of Section

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

Lease Name Baker Well # 15-5

Field Name Great Eastern Ditch

Producing Formation Dry

Elevation : Ground 2940 KB 2945

Total Depth 4900 PBTD

Amount of Surface Pipe Set and Cemented at 1840 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.

Drilling Fluid Management Plan D & A 4-7-97  
(Data must be collected from the Reserve Pit)

Chloride content 27,000 ppm Fluid volume 1500 bbls

Dewatering method used Evaporation

Location of fluid disposal hauled offsite

Operator Name

Lease Name  License No.

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

County  Docket No.

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 J. C. Morris J. C. Morris

Title Drilling Superintendent Date 3/24/97

Subscribed and sworn to before me this 24 day of March  
1997.

Notary Public Janice A. Fuller

Date Commission Expires 7-25-2000

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

Operator Name Sonat Exploration Company Lease Name Baker Well # 15-5

Sec. 15 Twp. 23S Rge. 34  East  West  
 County Finney

**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 Test Taken  Yes  No  
 (Attach Additional Sheets.) See Additional Sheet

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)

List All E. Logs Run:  
 Spectral Density Dual Spaced Neutron II Log  
 High Resolution Induction Log  
 Longed Spaced Sonic  
 Microlog

Log Formation(Top), Depth and Datums  Sample  
 Name \_\_\_\_\_ Top \_\_\_\_\_ Datum \_\_\_\_\_  
 See Additional Sheet

**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#	1840	65/35 poz	<del>600</del> 750	6% gel, 3%cc
					A	150	2%gel, 3%cc

**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

**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. D&A Producing Method  Flowing  Pumping  Gas Lift  Other ( Explain )

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> 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) Dry

Production Interval \_\_\_\_\_

Operator Name Sonat Exploration Company

Lease Name Baker

Well # 15-5 County Finney

ORIGINAL

15-055-22529

Formation(Top), Depth and Datums

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Name	Top	Datum
Heebner	3762	-817
Toronto	3775	-830
Lansing A	3811	-866
Lansing D	3918	-973
Lansing G	4018	-1073
Kansas City A	4134	-1189
Kansas City B	4192	-1247
BKC	4261	-1316
Marmaton	4282	-1337
Pawnee	4372	-1427
Ft Scott	4400	-1455
Cherokee Sh	4414	-1469
Atoka	4515	-1570
Morrow Sh	4614	-1669
Miss (St Gen)	4678	-1733
Miss (St Louis)	4701	-1756
TD	4900	

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Operator Name Sonat Exploration Company

Lease Name Baker

Well # 15-5 County Finney

ORIGINAL

15-055-22529

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Drill Stem Test Taken

DST #1

Interval: 4503-4653  
Formation: Atoka Ls's  
Times: 30-60-30-90  
Initial Blow: wk: 1/2" decr surf bl  
Final Blow: none  
IHP: 2281 FHP: 2262  
IFP: 22-28 FFP: 33-37  
ISIP: 994 FSIP: 969  
Temperature: 111 deg  
Rec: 15' mud/oil spots in tool  
\* fl pr's on mech. recorders:  
IFS 62-62 FFP 62-62

DST #2

Interval: 4599-4682  
Formation: Morrow  
Times: 30-60-30-90  
Initial Blow: v. wk 1/4" in bucket  
Final Blow: none  
IHP: 2268 FHP: 2265  
IFP: 23-43 FFP: 24-26  
ISIP: 43 FSIP: 39  
Temperature: 112 deg  
Rec: 10' mud

DST #3

Interval: 4763-4824  
Formation: Mississippian  
Times: 30-60-30-90  
Initial Blow: v wk, died 11 min  
Final Blow: none  
IHP: 2388 FHP: 2363  
IFP: 16-17 FFP: 17-18  
ISIP: 49 FSIP: 64  
Temperature: 112 deg  
Rec: 5' mud

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DST #4

Interval: Straddle 4180-4201  
Formation: Kansas City B  
Times: 45-60-60-90  
Initial Blow: wk 8" in bucket  
Final Blow: wk 6" in bucket  
IHP: 2085 FHP: 2053  
IFP: 17-56 FFP: 58-100  
ISIP: 1047 FSIP: 1030  
Temperature: 110 deg  
Rec: 180' muddy wtr, 75% w- 25% m  
Chl: 14,000, mud 4,000

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ORIGINAL

# ALLIED CEMENTING CO., INC.

2981

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REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Alaco City

DATE <u>3-1-97</u>	SEC <u>15</u>	TWP <u>23</u>	RANGE <u>34</u>	CALLED OUT <u>3:30 AM</u>	ON LOCATION <u>7:40 AM</u>	JOB START <u>11:00 AM</u>	JOB FINISH <u>3:14 PM</u>
LEASE <u>Baker</u>	WELL # <u>15-5</u>	LOCATION <u>Tennis 4w 8s 2w 7th W5</u>		COUNTY <u>Finney</u>	STATE <u>KS</u>		

CONTRACTOR <u>Abercrombie Only #4</u>	OWNER <u>Sonot Exploration</u>
TYPE OF JOB <u>Injection</u>	CEMENT
HOLE SIZE <u>1 3/4</u>	T.D. <u>1845</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1496/1845</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>44.46</u>
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED	<u>600 lbs 3/16cc</u>
<u>1/4" 2lb Seal</u>	<u>per 5x</u>
<u>150 ccm 3/16cc 2lb Seal</u>	
COMMON	<u>150 @ 7.20 1080.00</u>
POEMIX	<u>600 #6W @ 6.65 3990.00</u>
GEL	<u>3 @ 9.50 28.50 (not 28)</u>
CHLORIDE	<u>24 @ 28.00 672.00</u>
<u>2lb seal 150"</u>	<u>@ 1.15 172.50</u>
HANDLING	<u>750 @ 1.05 787.50</u>
MILEAGE	<u>56 @ 16.80 938.40</u>

### EQUIPMENT

PUMP TRUCK	CEMENTER <u>W. Hays</u>
# <u>224</u>	HELPER <u>B. Norton</u>
BULK TRUCK	
# <u>214</u>	DRIVER <u>B. White</u>
BULK TRUCK	
# <u>260</u>	DRIVER <u>D. Walla</u>

### REMARKS:

on 600 lbs 3/16cc 1/4" 2lb seal  
per 5x 150 ccm 3/16cc 2lb seal  
Displaced plug 1496 ft. 2lb seal  
held shut in cement did  
cris  
Thanks

### SERVICE

DEPTH OF JOB	<u>1845</u>
PUMP TRUCK CHARGE	<u>10.30.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>56 @ 2.85 159.60</u>
PLUG	<u>Rubber @ 90.00 90.00</u>

TOTAL \$ 8382.00

TOTAL \$ 1279.66

CHARGE TO: Abercrombie Only  
Sonot Exploration  
 STREET 801 Union Center  
 CITY Wichita STATE KS ZIP 67

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FROM CONFIDENTIAL

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Walter D. Brown

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89%	1 - Bill count	@ 358.00	358.00
	1 - Basket	@ 200.00	200.00
	2 - Cement bags	@ 61.00	122.00

TOTAL \$ 680.00

TAX	<u>-0-</u>
TOTAL CHARGE	\$ <u>10341.60</u>
DISCOUNT	\$ <u>1551.24</u> IF PAID IN 30 DAYS

Net \$ 8790.36

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