

**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 Koch Oil Company

**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**

<u>X</u>	New Well	Re-Entry	Workover	
<u>X</u>	Oil	SWD	SIOW	Temp. Abd.
	Gas	ENHR	SIGW	
	Dry	Other (Core, WSW, Expl., Cathodic, etc)		

### If Workover:

Operator : APR 6 1998

**Well Name :** \_\_\_\_\_

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

11/30/96      12/10/96      1/21/97

End Date      Date Reached TD      Completion Date

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 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**

**Title** Drilling Superintendent  
Subscribed and sworn to before me this 30<sup>th</sup> day of

Subscribed and sworn to before me this 20 day of January  
1997 RENE Joanne Lyon  
any Public U.S.A. 4-28-97  
Date Commission Expires:

Date 1/30/97

<b>K.C.C. OFFICE USE ONLY</b>				
<input checked="" type="checkbox"/>	F Letter of Confidentiality Attached			
<input checked="" type="checkbox"/>	C Wireline Log Received			
<input checked="" type="checkbox"/>	C Geologist Report Received			
<b>Distribution</b>				
<input type="checkbox"/>	KCC	SWD/Rep	<input checked="" type="checkbox"/>	NGPA
<input type="checkbox"/>	KGS	Plug	<input checked="" type="checkbox"/>	Other (Specify)
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## SIDE TWO

Lease Name TurrentineWell # 4-19County FinneyOperator Name Sonat Exploration Company East West

Sec. 19 Twp. 22 Rge. 34

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log <span style="float: right;">Formation(Top), Depth and Datums</span>	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name See Attached Sheet	Top Datum
Cores Taken	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>rel geo</i> <i>NP</i>	
List All E. Logs Run:			
Dual Induction Laterlog MicroLog Spectral Density Dual Spaced Long Spaced Sonic Log			

<b>CASING RECORD</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	1802	65/32 Poz-A	750 250	3% cc
Production	7 7/8	5 1/2	15.5	4870	50/50 Poz	675	4% gel

## ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:  <input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off zone	Depth Top Bottom	Type of cement	#Sacks Used	Type and Percent Additives
	4043-4034	H	70	

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
3	4004-4016	Acidized w/1000 gal FE HCL	4004-16
4	4498-4506	Acidized w/1500 gal FE HCL	4498-06
2	4755-4770	Acidized w/1500 gal FE HCL	4755-70

TUBING RECORD	Size 2 7/8	Set At 4729	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 1/21/97	Producing Method	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other ( Explain)
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Estimated Production Per 24 Hours	Oil 85	Bbls.	Gas	McF	Water 281	Bbls	Gas-Oil Ratio	Gravity
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Disposition of Gas:  <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION			Production Interval <u>4004-4770</u>					
	<input type="checkbox"/> Open Hole	<input checked="" type="checkbox"/> Perf.	<input type="checkbox"/> Dually Comp.	<input checked="" type="checkbox"/> Commingled	Pending				
	<input type="checkbox"/> Other (Specify)								