

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 : Murfin Drilling Company

License : 30606

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 : Sonat Exploration Co

Well Name : Burg #5-20

Comp. Date 4/13/96 Old Total Depth 4840

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other(SWD or Inj?) Docket No. \_\_\_\_\_  
3/4/96 3/16/96 Recomp 2/18/97  
Spud Date of ~~START~~ OF WORKOVER Date Reached TD Completion Date

API NO. 15- 055-214850001  
County Finney  
NE - NE - NW Sec. 20 Twp. 22S Rge. 34 X W

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

2310 FWL Feet from EW (circle one) Line of Section

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

Lease Name Burg Well # 5-20

Field Name Amazon Ditch

Producing Formation Marmaton

Elevation : Ground 2968 KB 2979

Total Depth 4840 PBDT 4790

Amount of Surface Pipe Set and Cemented at 1829 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 REWORK JH 2-25-97  
(Data must be collected from the Reserve Pit)

Chloride content 4200 ppm Fluid volume 150 bbls

Dewatering method used Evaporation 2-21-1997

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

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

County \_\_\_\_\_ Docket No. \_\_\_\_\_

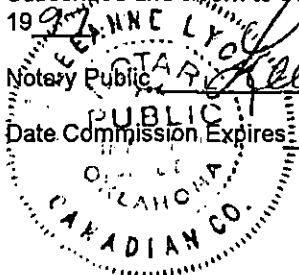
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KANSAS CORP COM  
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INSTRUCTIONS: An original and two copies of this form shall be filled with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of 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 2/18/97

Subscribed and sworn to before me this 18th day of Feb.  
1997  
Notary Public Kellanne Lyon  
Date Commission Expires 4-28-97



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)

ORIGINAL

SIDE TWO

Operator Name Sonat Exploration Company

Lease Name Burg

Well # 5-20

East

County Finney

Sec. 20 Twp. 22S Rge. 34

West

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.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E. Logs Run:  
Array Induction/ Gr  
Microlog/ Gr  
BHC-Sonic/ Gr  
Comp. Neutron Litho Density/ Gr

Log Formation(Top), Depth and Datums  Sample

Name	Top	Datum
Heebner	3735	756
Lansing	3789	810
Marmaton	4264	1285
Morrow Shale	4598	1619
Mississippian, St. Louis	4650	1671

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	1829	C	560	
Production	7 7/8"	5 1/2"	15.5	4840	H	640	

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				

PERFORATION RECORD -Bridge Plugs Set/Type

Shots Per Foot	Specify footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4379-4385, 4393-4396	Acidized w/1000 gal 15% FE HCL	4396
4	4350-4356	Acidized w/600 gal 15% FE HCL	4356
4	4280-86	Acidized w/1200 gal 15% MCA FE	4286

TUBING RECORD

Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
27/8"			

Date of First, Resumed Production, SWD or Inj.	Producing Method
2/16/97	<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
	85		22		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval 4280-4396

Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

Open Hole

Perf.

Dually Comp.

Commingled

Other (Specify)

2/16/97