

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 PBTD
 Commingled Docket No. Pending
 Dual Completion Docket No. _____
 Other(SWD or Inj?) Docket No. _____

WO 2/9/98 Recomp 2/11/98

~~Spud Date of~~ Workover Date Reached TD at workover Completion Date at workover

API NO. 15- 055-21485 - C00

County Finney

NE - NE - NW Sec. 20 Twp. 22S Rge. 34 X W

330 FNL Feet from S/N (circle one) Line of Section

2310 FWL Feet from E/W (circle one) Line of Section

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

Lease Name Burg Well # 5-20

Field Name Amazon Ditch

Producing Formation Lansing / Marmaton

Elevation: Ground 2968 KB 2979

Total Depth 4840 PBSD 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 Re-work, 5-20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 4200 ppm Fluid volume 150 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

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

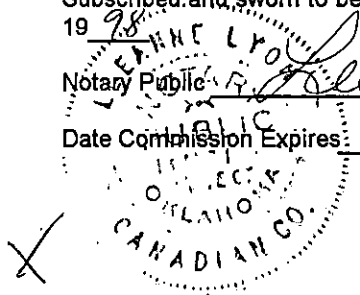
Title Drilling Superintendent Date 2/16/98

Subscribed and sworn to before me this 16th day of Feb.

Notary Public Leanne Lyon

Date Commission Expires 4-28-2001

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
FEB 19 1998
2-19-1998
WICHELLE, Kansas
Form ACO-1 (7-91)



Operator Name Sonat Exploration Company Lease Name Burg Well # 5-20

Sec. 20 Twp. 22S 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 (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: Array Induction/ Gr Microlog/ Gr BHC-Sonic/ Gr Comp. Neutron Litho Density/ Gr	<input checked="" type="checkbox"/> Log Formation(Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> <tr> <td>Heebner</td> <td>3735</td> <td>756</td> </tr> <tr> <td>Lansing</td> <td>3789</td> <td>810</td> </tr> <tr> <td>Marmaton</td> <td>4264</td> <td>1285</td> </tr> <tr> <td>Morrow Shale</td> <td>4598</td> <td>1619</td> </tr> <tr> <td>Mississippian, St. Louis</td> <td>4650</td> <td>1671</td> </tr> </table>	Name	Top	Datum	Heebner	3735	756	Lansing	3789	810	Marmaton	4264	1285	Morrow Shale	4598	1619	Mississippian, St. Louis	4650	1671
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CASING RECORD <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	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				

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
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
4	4016-4020	Acidized w/800 gal 15% MCA FE	4020

TUBING RECORD	Size 27/8"	Set At	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. 2/13/98	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 Bbls. 65	Gas Mcf	Water Bbls 167	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Pending

Production Interval 4016-4286

Other (Specify) _____