

CONFIDENTIAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 31594

Name: SONAT EXPLORATION COMPANY

Address 14000 QUAIL SPRINGS PARKWAY

SUITE 100

City/State/Zip OKLAHOMA CITY, OK 73134

Purchaser: EOTT

Operator Contact Person: J. C. MORRIS

Phone (405) 749-5337

Contractor: Name: MURFIN DRILLING COMPANY

License: 30606

Wellsite Geologist: M. BRADFORD RINE

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl. (Agasthoidic, etc.)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

3/04/96 3/16/96 4/13/96
Spud Date Date Reached TD Completion Date

API NO. 15- 055-21485-0000 ORIGINAL

County FINNEY

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

330 Feet from S(circle one) Line of Section

2310 Feet from E(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 MARMATON

Elevation: Ground 2968 KB _____

Total Depth 4840' PBTB _____

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.

Receiving Fluid Management Plan ALT 1 87 10-23-96
(Data must be collected from the Reserve Pit)

Chloride content 4200 ppm Fluid volume 150 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: RCC

RELEASED

Operator Name JUL 1 1

Lease Name JAN 1 1 1998 License No. CONFIDENTIAL

Quarter Sec. Twp. S Rng. E/W

County FROM CONFIDENTIAL 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 7/11/96

Subscribed and sworn to before me this 11th day of JULY, 1996.

Notary Public Leanne 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)

COMPLETION

SIDE TWO

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 Tests Taken (Attach Additional Sheets.)

Samples Sent to Geological Survey

Cores Taken

Electric Log Run (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

Table with columns: Name, Top, Datum. Rows: HEEBNER (3735, KB - 2979), LANSING (3789), MARMATON (4264), MORROW SHALE (4598), MISSISSIPPIAN, ST. LOUIS (4650)

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with columns: 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. Includes SURFACE and PRODUCTION rows with handwritten notes like '8% gel, 2% CaCl2'.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

Table with columns: 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. Includes rows for 4 shots at 379'-4385' and 4350'-4356'.

TUBING RECORD Size 2 7/8 Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 4/13/96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 250 Bbls. Gas -0- Mcf Water -0- Bbls. Gas-Oil Ratio -0- Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval 4,350'-4,396' Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify)

Handwritten date: 10/10/96



HALLIBURTON

CONFIDENTIAL

JOB LOG HAL-2019-C

CUSTOMER Senet Exploration	WELL NO. 5.20	LEASE Burg	JOB TYPE Long String	DATE 3-16-96
			TICKET NO. 915331	

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

	0615							Called Out
	1045							On Location ORIGINAL
								Rig Laying Down DP
								Set up Equipment
	1430							Start 5 1/2" 15.5' /ft Csg in hole
								Float valve @ 4777'
	1725							Casing on bottom
								Rig up to Circulate
	1735							START Circulation
		4						Rig up to Pump trucks
	1825	4				300		Start mixing cement
								640 sks 50/50 Pozmix 'H'
								47% Total Gal 5" Gilsonite /sk
	1905	4	176			300		Cement mixed
								Wash out pump & line
								Release Plug
	1910	5 1/2				300		Start Displacement
	1935		115			1600		Plug DOWN (max) lift Pressure: 1200P
								RELEASE PRESSURE
								Float Held
								Wash up & Rack up Equipment
								Job Completed

circulation through out Job

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 15 1996

CONSERVATION DIVISION
WICHITA, KS

RELEASED

JAN 11 1998

FROM CONFIDENTIAL

Thank you
Dad, Gary, Danny & Bob



SUMMARY

HALLIBURTON LOCATION

Liberal

FIELD Kalcom SEC 20 TWP. 22S RING. 34W COUNTY Finnay STATE KS

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	24	8 5/8	0	1833	
LINEAR						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <i>Insert Float 5 1/2</i>	1	
FLOAT SHOE		H
GUIDE SHOE <i>TEX Pattern 5 1/2</i>	1	O
CENTRALIZERS	2	W
BOTTOM PLUG		
TOP PLUG <i>5 1/2</i>	1	C
HEAD <i>11</i>	1	
PACKER <i>Basket</i>	1	O
OTHER <i>Clamp</i>	1	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>3-6</i>	DATE <i>3-6</i>	DATE <i>3-6</i>	DATE <i>3-6</i>
TIME <i>10:30</i>	TIME <i>0350</i>	TIME <i>0615</i>	TIME <i>0800</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Duggins</i>	<i>20172</i>	<i>Liberal</i>
<i>Manager</i>	<i>52933</i>	
	<i>7170</i>	
<i>Cuepersing</i>	<i>50404</i>	
	<i>2610</i>	
<i>Henley</i>	<i>50735</i>	
	<i>75817</i>	

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____
 ACID TYPE _____ GAL. _____
 ACID TYPE _____ GAL. _____
 SURFACTANT TYPE _____ GAL. _____
 NE AGENT TYPE _____ GAL. _____
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

CONFIDENTIAL

JUL 11

CONFIDENTIAL

DEPARTMENT *Cement*
 DESCRIPTION OF JOB *8 5/8 Surface*

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE *X*
 HALLIBURTON OPERATOR *Clint Duggins*
 COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
1	560	Premium Plus		B	<i>1/4" Floccet 85/15, 20% Gel</i>	2.30	12.2
2	150	Prem		B	<i>20% CL</i>	1.56	14.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN RPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET *42 ft* REASON *Shoe Point*

SUMMARY

PRESLUSH/BBL-GAL. *5* TYPE *H₂O*
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. *114*
 CEMENT SLURRY: BBL-GAL. *264*
 TOTAL VOLUME: BBL-GAL. *385*

REMARKS

Sawt Expl.
 Burg
 5-30
 Surface
 3-6-96



JOB LOG HAL-2013-C

CUSTOMER *Sant Expl* WELL NO. *5-20* LEASE *Bucca* JOB TYPE *8 5/8 Surface* TICKET NO. *921175*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>0320</i>							<i>Called out</i>
	<i>0350</i>							<i>on Location (CSG ON BOTTOM)</i>
	<i>0614</i>	<i>5</i>	<i>5</i>			<i>50</i>		<i>Pump H₂O</i>
	<i>0615</i>	<i>7</i>	<i>229</i>			<i>100</i>		<i>Pump Cont @ 12.2'</i>
	<i>0648</i>	<i>5</i>	<i>35</i>			<i>70</i>		<i>Pump Cont @ 14.8'</i>
	<i>0655</i>							<i>Prep Plug</i>
	<i>0656</i>	<i>5 1/2</i>	<i>114</i>			<i>80</i>		<i>Displace ORIGINAL</i>
	<i>0711</i>					<i>190</i>		<i>Bump Plug</i>
	<i>0718</i>					<i>500</i>		<i>Release Psi (Float Held)</i>
	<i>0800</i>							<i>Job Complete</i>

CONFIDENTIAL

*Circ 30 bbl Cont to Pit
73 sks*

RCC

JUL 1 1

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 15 1996

RELEASED

CONSERVATION DIVISION
WICHITA KS

JAN 1 1 1998

FROM CONFIDENTIAL