

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 9783
Name Santa Fe Minerals, Inc.
Address Two Galleria Tower
13455 Noel Rd., Suite 1100
City/State/Zip Dallas, Texas 75240

Purchaser Oklahoma Gas Pipeline Co.

Operator Contact Person Jim LaFavers
Phone (214) 701-7588

Contractor: License # #05382
Name Cheyenne Drilling Co.

Wellsite Geologist Gayle Tapp
Phone (918) 561-7206

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
12/2/87 12/4/87 4/4/88
Spud Date Date Reached TD Completion Date
2850 2827
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 801 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
A/I

API No. 15-175-2098-3-00-00
County Seward
N. W. 4 Sec. 21 Twp. 34S Rge. 34 East West

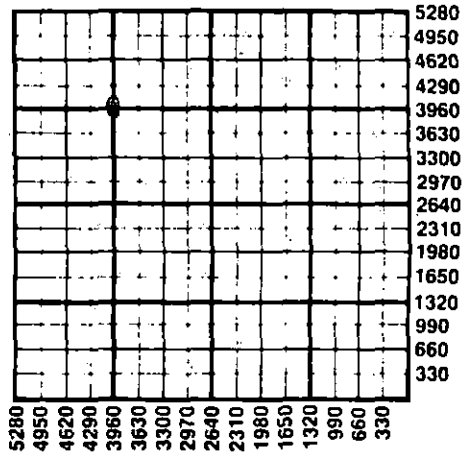
3960 Ft North from Southeast Corner of Section
3954 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name J. T. Hacker Well # 2
Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2949 KB 2958

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain) hauled in (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 James B. LaFavers
Title Engineering Technician Date 4/18/88

Subscribed and sworn to before me this 18th day of April 1988
Notary Public Barbara D. Anderson

Date Commission Expires BARBARA D. ANDERSON
Notary Public State of Texas
My Commission Expires June 29, 1989

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 SWD/Rep NGPA
 Plug Other (Specify)
APR 25 1988
4-25-88

Sec 34 Twp 34 Rge 34

SIDE TWO

Operator Name Santa Fe Minerals, Inc. Lease Name..... J. T. Hacker Well #... 2 ...

Sec... 21 Twp... 34S Rge... 34 East West County..... Seward

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

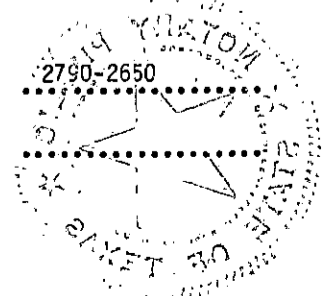
Name	Top	Bottom
Blaine Gypsum	980	
Glorietta	1170	
Tubb	1660	
Red Cave	1710	
Wellington	2240	
Chase Group	2640	

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	801'	Class "C"	370	2% CaCl
Production	7-7/8	5-1/2	15.5	2850'	Class "C"	460	2% CaCl
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	Chase 2790-2650			14,600 gal. 28% HCL acid		2790-	
				3,600 gal. 15% HCL acid		2650	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2-3/8		2815'		None			
Date of First Production		Producing Method					
4-1-88		<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	Gas	Water	Gas-Oil Ratio	Gravity	
0 Bbls		563 MCF	0 Bbls	-	CFPB	-	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify)
 Dually Completed Commingled



TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry

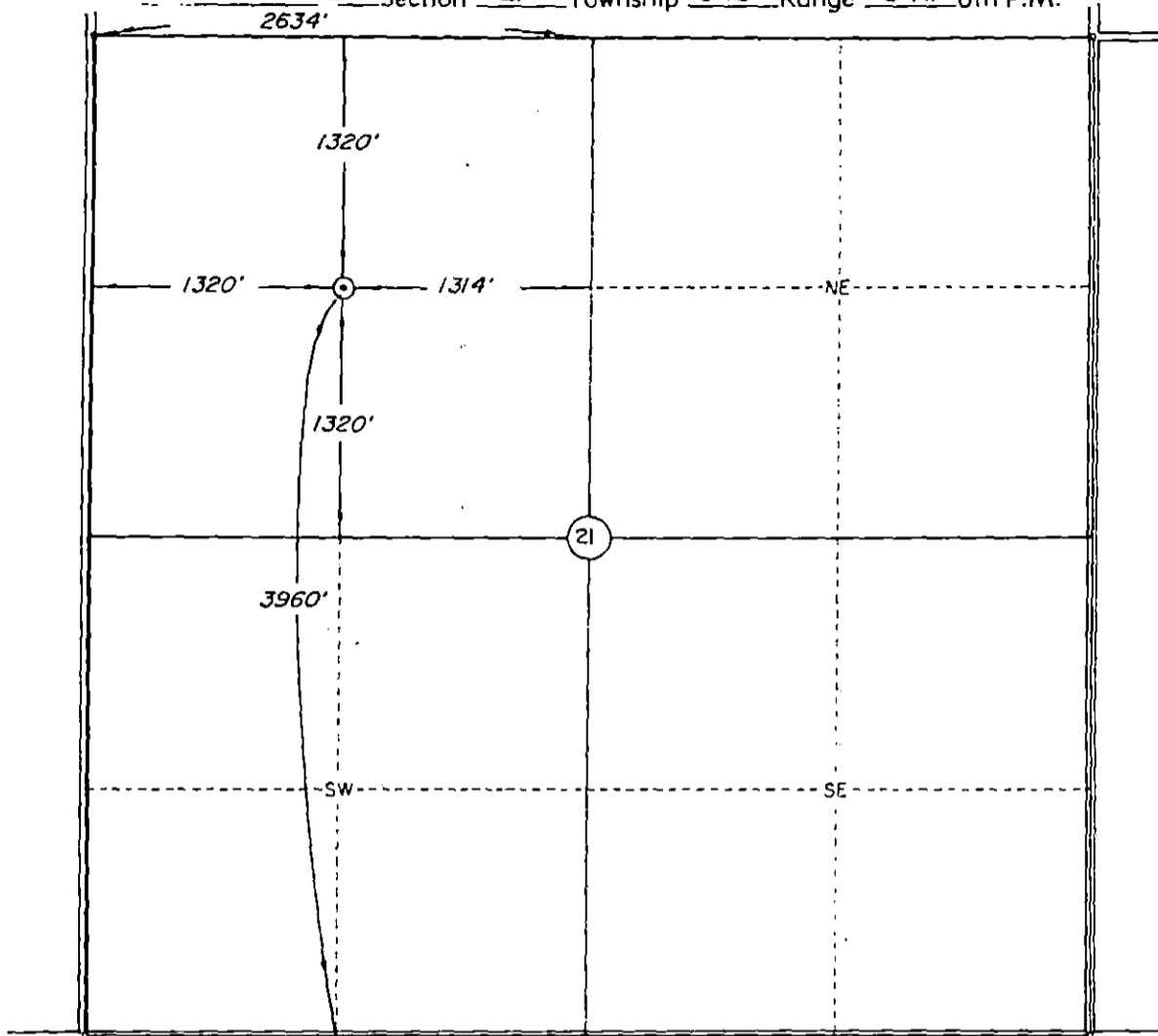
1008 E 17TH ST • HAYS KANSAS 67601

TELEPHONES LOCAL (913) 625-2683 • OKLA WATS (800) 522-4273 • OUT OF STATE WATS (800) 654-3219

SEWARD

County, Kansas

1320' FSL-1314' FEL Section 21 Township 34S Range 34W 6th P.M.



Scale: 1" = 1000'

Date Staked October 10, 1987

This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed.

Review this plat and notify us immediately of any possible discrepancy.

Operator: SANTA FE MINERALS

ELEVATION:

2949' Gr. at Stake

Lease Name _____ J.T. Hacker Well No 2

Topography & Vegetation Location fell in planted milo.

Good Drill Site? Yes Reference Stakes or Alternate Location none
Stakes Set _____

Best Accessibility to Location From West.

Distance & Direction
from Hwy Jct or Town From Jct. US 83 & US 270 & Tucker Road (North of Liberal),
go 6 miles West on Tucker Road & 1 mile North to the Northwest Corner of Section 21,
T34S-R34W.

CERTIFICATE:

I, Roger R. Rowe a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

APR 25 1988

Roger R. Rowe
Kansas Reg. No. 839

CONSERVATION DIVISION
Wichita, Kansas

