

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, TX 75240

Purchaser Oklahoma Gas Pipeline Co.

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

Contractor: License # 05382
Name Cheyenne Drlg. Co.

Wellsite Geologist Hershel Hinkle
Phone (918) 561-7215

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
7-7-87 7-11-87 8-28-87
Spud Date Date Reached TD Completion Date
3000' 2953'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 753 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

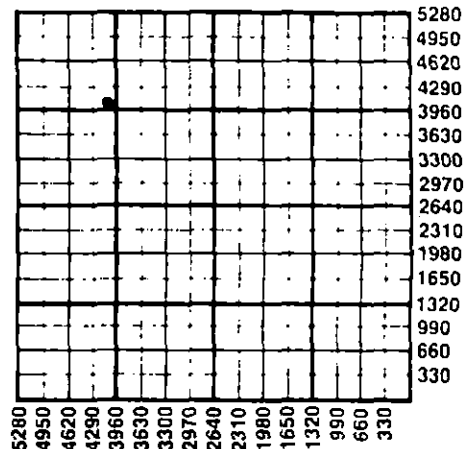
API NO. 15-175-20958-00-00
County Seward
N W 4 Sec 19 Twp 34S Rge 34 East West

4030 Ft North from Southeast Corner of Section
4069 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name J. P. Rogers Well # 4
Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2959 KB 2962
Section Plat



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

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

Source of Water:
Division of Water Resources Permit # 9-9-87
 Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner
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. F. Fiero
Title Engineering Technician Date 9-2-87

Subscribed and sworn to before me this 2nd day of September 1987
Notary Public Barbara D. Anderson
Date Commission Expires

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

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

Sec 19 Twp 34S Rge 34W

Operator Name Santa Fe Minerals, Inc. Lease Name J. P. Rogers Well # 4

Sec. 19 Twp. 34 S 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	1064'	
Glorietta	1181'	
Base Glorietta	1338'	
Tubb	1654'	
Red Cave	1710'	
Wellington	2240'	
Hollenberg	2579'	
Chase	2635'	
Herington	2635'	
Upper Krider	2665'	
Lower Krider	2700'	
Odell	2740'	
Winfield	2750'	
Gage	2788'	
Towanda	2803'	
Holmesville	2855'	
Fort Riley	2859'	
Dketo	2909'	

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 ^u	24#	753'	light tail	220	2% CaCl
Production	7-7/8	5-1/2 ^m	15.5#	3,000'	light "C" thixset	380	2% CaCl
						215	5% KCL

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	Herington 2652-2637	2500 gals. of 15% HCL Acid	2652-2637
2	U. Krider 2678-2670	9200 gals. of 15% HCL Acid	2678-2670
1	L. Krider 2740-2683	15% HCL Acid	2740-2683
2	Winfield 2780-2752	4299 gals. of 15% HCL Acid	2780-2752

TUBING RECORD Size 2-3/8" Set At 2828' Packer at none Liner Run Yes No

Date of First Production 8-28-87 Producing Method Flowing Pumping Gas Lift Other (explain).....

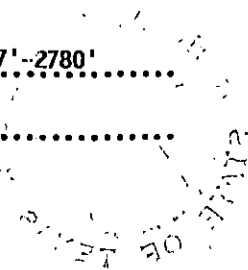
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	0	90	9	0	NA

METHOD OF COMPLETION

Production Interval

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

2637'-2780'



TOPOGRAPHIC LAND SURVEYORS

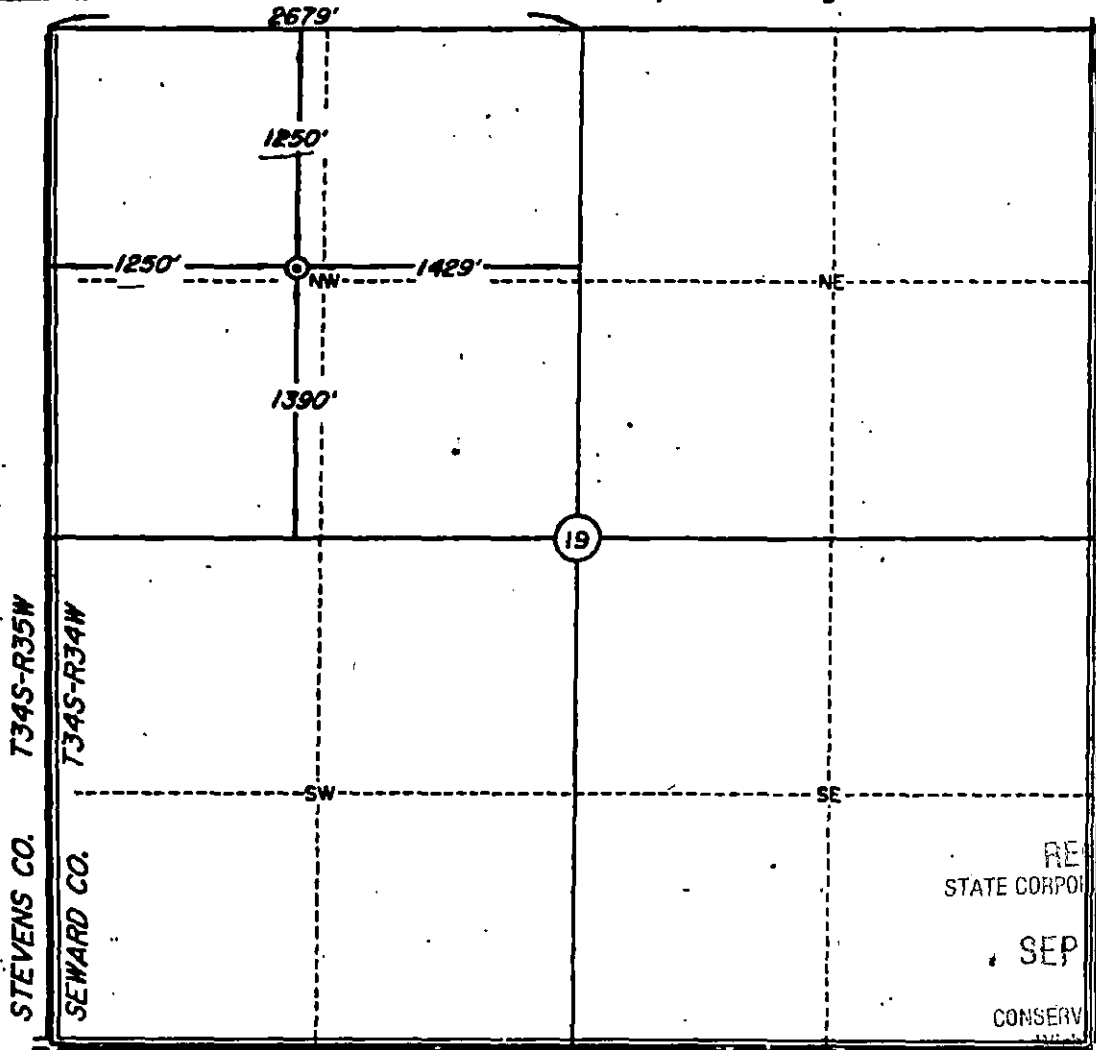
Surveying and Mapping for the Energy Industry

1008 E. 17TH ST. • HAYS, KANSAS 67601

TELEPHONES: LOCAL (913) 825-2883 • OKLA. WATS (800) 522-4273 • OUT OF STATE WATS (800) 654-3219

SEWARD County, Kansas

1250' E1/4 - 1250' E1/4 - NW1/4 Section 19 Township 34S Range 34W 6th P.M.



RECEIVED
STATE CORPORATION COMMISSION
SEP 3 1987
CONSERVATION DIVISION
Kansas

Scale: 1" = 1000'

Date Staked April 16, 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:
2959' Gr. at Stake

Lease Name: J.P. Rogers Well No.: 4

Topography & Vegetation: Location fell in irrigated alfalfa, 120' Northwest of irrigation pivot arm.

Reference Stakes or
Alternate Location

Good Drill Site? Yes Stakes Set none

Best Accessibility to Location From West.

Distance & Direction
from Hwy Jct or Town: From Northeast Corner of Liberal @ US 83 & Tucker Road,
go 8 miles West on Tucker Road to the Southwest Corner of Section 19, T34S-R34W.

GERTIFICATE:

I, Gary D. Boswell 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.

Gary D. Boswell

Kansas Reg. No. 670

