

COPY

AMENDED 1/18/91

SIDE ONE

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

Operator: License # 04782

Name: Ensign Operating Co.

Address 621 17th St., Suite 1800

City/State/Zip Denver, Co. 80293

Purchaser: Enron

Operator Contact Person: Jerry Simmons

Phone (303) 293-9999

Contractor: Name: H-30 Drilling Inc.

License: 5107

Wellsite Geologist: None

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

8/8/90 8/15/90 8/29/90 (NOPI)
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,146

County Seward

NW SE SE Sec. 13 Twp. 31S Rge. 32 East West

990 Ft. North from Southeast Corner of Section

990 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

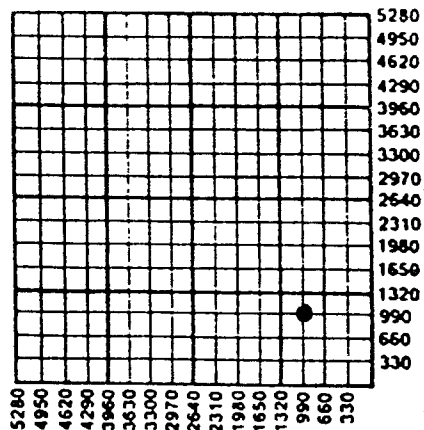
Lease Name Garten Well # 1-13

Field Name Thirty-One

Producing Formation Morrow

Elevation: Ground 2835' KB 2847'

Total Depth 5575' PBTD 5559'



Amount of Surface Pipe Set and Cemented at 1744' 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 cmr.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-1 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Connie Smith

Title Engineering Tech. Date 12/19/90

Subscribed and sworn to before me this 19 day of December

Penelope J. Stiers
Notary Public

Date Commission Expires My Commission expires October 21, 1991

621 17th St. Suite 1800
Denver, Colorado 80293

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) D.S.

COPY

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Garten Well # 1-13

Sec. 13 Twp. 31S Rge. 32 East West
County Seward

INSTRUCTIONS: ~~Report all 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
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

~~Formation Description~~

Log Sample

Name	Top	Bottom
Base Stone Corral		Toronto 4203'
Anhy	1742'	Lansing 4294'
Hutchinson Salt	2207'	Marmaton 4920'
Chase Herrington	2632'	Cherokee 5096'
Krider	2668'	Atoka 5209'
Winfield	2728'	Morrow 5397'
Council Grove	3023'	Chester 5517'
Topeka	3753'	Total Depth 5575'
ieebner (top		
2nd Sh	4185'	

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#	1744'	Lite Wt. Class "C"	585	2% cc
Production	7-7/8"	4-1/2"	10.5#	5573'	Prim. Plus	150	3% KCl

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	
4 JSPF	5449-5455', 5457-5467', 5483-5489'	None

TUBING RECORD

Size 2-3/8" Set At 5490' Packer At

Liner Run Yes No

Date of First Production SI - WOPL Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Morrow