

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 # 5407
Name Hupfer Oil & Gas
Address 3711 Country Lane
City/State/Zip Hays, KS 67601

Purchaser Koch Oil Co.
Wichita, KS 67201

Operator Contact Person Dennis Hupfer
Phone (913) 628-8666

Contractor: License # 5107
Name H-30, Inc.

Wellsite Geologist Mike Fletcher
Phone 316-792-8141

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

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

WELL HISTORY

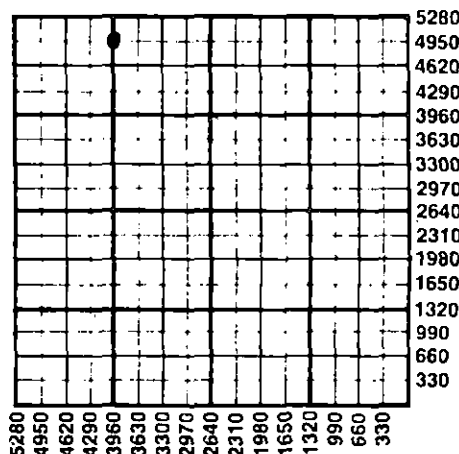
Drilling Method:
 Mud Rotary Air Rotary Cable
.....6-25-857-2-85 ...7-25-85.....
Spud Date Date Reached TD Completion Date
...4420'.....
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 337 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt

API NO. 15-145-21-209-1000
County Pawnee
C.N/2.N/2.NW Sec.16.. Twp.23.. Rge.17.. East West

..4950.... Ft North from Southeast Corner of Section
..3960.... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Martha Well #.2
Field Name Garfield
Producing Formation Miesner Sand
Elevation: Ground 2092 KB. 2097'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # Applied on Martha #1 7-22-85

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

Source of Water:
Division of Water Resources Permit # T.85-591
 Groundwater 4980 Ft North from Southeast Corner
(Well) ..3900 Ft West from Southeast Corner of
Sec 16 Twp 23 Rge 17 East West
 Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain).....
(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 Dennis D. Hupfer
Title President Date 8-2-85

Subscribed and sworn to before me this 2nd day of August 1985.
Notary Public Alberta Klaus

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

ALBERTA KLAUS
Date Commission Expires 11-1-85
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES NOV. 1, 1985

RECEIVED
STATE CORPORATION COMMISSION

8-585 AUG 5 1985

CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-84)

Sec 16 Twp 23 Rge 17

Operator Name Hupfer Oil & Gas Lease Name Martha Well # 2

Sec. 16 Twp. 23 Rge. 17 East West County Pawnee

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
DST #1 - Cong. Chert - 4226 to 4261: 30-30-30-30. Recovered 45 ft. G.I.P., 15 ft. SOCM and 180 ft. oil specked salt water. IBHP 423, FBHP 402, IFP 127 - plugged, FFP 127-127.		
Sand & shale	0'	960'
Shale	960'	1134'
Anhydrite	1134'	1164'
Shale & lime	1164'	1443'
Lime & shale	1443'	4420'
Rotary total depth	4420'	
Heebner	3682	-1579
Toronto	3696	-1593
Douglas	3706	-1603
Brown Lime	3788	-1685
Lansing	3796	-1693
Base K.C.	4082	-1979
Cong. Chert	4282	-2145
Mississippi	4303	-2200
Miesner	4346	-2243
Kinderhook	4388	-2294
Viola	4397	-2317
R.T.D.	4420	-2317
DST #2 - Cong. Chert - 4263 to 4298: 45-30-45-30. Recovered 120 ft. G.I.P., 5 ft. of oil and 200 ft. muddy water with oil specks. IBHP 476, FBHP 476, IFP 63-105, FFP 127-137.		
DST #3 - Mississippi - 4304 to 4340: 45-30-45-30. Recovered 360 ft. G.I.P., 150 ft. SOCGM. IBHP 328, FBHP 264, IFP 52-63, FFP 84-84.		
DST #4 - Miesner Sand - 4343 to 4363: 45-30-45-30. G.T.S. 14 minutes, T.S.T.M. Recovered 270 ft. HOCGM and 130 ft. oil with some water. IBHP 820, FBHP 831, IFP 84-116, FFP 148-164. Completion: Perforate miesner sd. 4348 to 52 (2) holes per ft. Acidized w/ 250 gal. 15% FE. Frac w/ 46 tons Co ² plus 275 bbl. gel water & 100 sxs. 20/40 sand & 80 sxs. 10/20 sand. Flowed back 100 bbl. of load. CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used		

Good show of oil. Report all strings set-conductor, surface, intermediate, production, etc. P.O.P.

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"	22#	33'	60/40	250	3% cc, 2% gel
PRODUCTION	7-7/8"	4-1/2"	10.5#	4419'	50/50	125	18% salt

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
Shots Per Foot	Specify Footage of Each Interval Perforated			
2	4248 to 4252	Acid	250 gal. FE 15%	4252
		Frac	46 tons Co ² w/ 275 bbl. gel water w/ 100 sxs. 20/40 sd. & 80 sxs. 10/20 sd.	4252

TUBING RECORD Size 2-3/8 Set At 4215 Packer at Liner Run Yes No

Date of First Production 7-25-85 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas T.S.T.M. MCF	Water Bbls	Gas-Oil Ratio	Gravity
	34 bbl	T.S.T.M.	90 bbl.		36°

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) Miesner Sand Used on Lease Dually Completed Commingled 4248 to 4252.