

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

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

Contractor: license # 5107  
name H-30, Inc.

Wellsite Geologist Bobby Beard  
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 OWWO: old well info as follows:  
Operator .....  
Well Name .....  
Comp. Date ..... Old Total Depth .....

WELL HISTORY

Drilling Method:  Mud Rotary     Air Rotary     Cable  
6/24/84    6-30-84    7-1-84  
Spud Date    Date Reached TD    Completion Date  
3580'    3350'  
Total Depth    PBSD

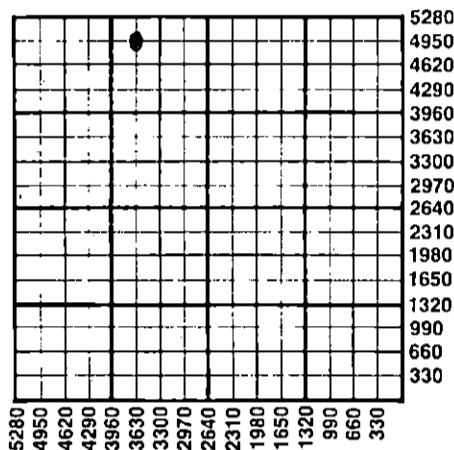
Amount of Surface Pipe Set and Cemented at 322' feet  
Multiple Stage Cementing Collar Used?     Yes     No  
If Yes, Show Depth Set ..... feet

If alternate 2 completion, cement circulated  
from 322 feet depth to surface w/ 250 SX cmt  
60/40 Poz, 2% gel, 3% cc

API NO. 15 - 009-23,549-0000  
County Barton  
NW NE NW    Sec 17 Twp 20S Rge 13     East  
(location)     West  
4950    Ft North from Southeast Corner of Section  
3630    Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name Hart    Well# 2  
Field Name Harrison East (extension)  
Producing Formation Lansing  
Elevation: Ground 1874    KB 1879

Section Plat



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit # 3954  
 Groundwater 4950 Ft North From Southeast Corner and  
(Well) 3660 Ft. West From Southeast Corner of  
Sec 17 Twp 20 Rge 13     East     West  
 Surface Water ..... Ft North From Southeast Corner and  
(Stream, Pond etc.) ..... Ft West From Southeast Corner  
Sec    Twp    Rge     East     West  
 Other (explain) .....  
(purchased from city, R.W.D.#)

Disposition of Produced Water:     Disposal  
4-S Tank Service is hauling.     Repressuring  
Docket # .....

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. Rules 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 Hupfer  
Title President    Date 7-30-84

Subscribed and sworn to before me this 3<sup>rd</sup> day of August 19 84

Notary Public Clara L. Walters  
Date Commission Expires 4-13-87



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STATE CORPORATION COMMISSION  
AUG 06 1984  
8-6-84  
CONSERVATION DIVISION  
Wichita, Kansas

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)

Form ACO-1  
(This form supercedes  
previous forms  
ACO-1 & C-10)

Sec. 17 Twp. 20S Rge. 13W

SIDE TWO

Operator Name Huffer Oil & Gas Lease Name Hart Well# 2 SEC 17 TWP. 20S RGE 13  East  West

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

DST #1 - Lansing - 3231 to 3554 (A zone). 45-30-45-30.  
 Recovered 50 ft. mud with oil specks. IBHP 47, FBHP - 38, IFP 38-38, FFP 38-38.

DST #2 - Lansing - 3253 to 3275 (B zone). 45-30-45-30.  
 Recovered 250 ft. G.I.P., 200 ft. heavy oil cut mud & 30 ft. oily water. IBHP 1001, FBHP 992, IFP 76-85, FFP 104-114.

DST #3 - Lansing - 3280 to 3112 (70 ft. break). 45-30-45-30. Recovered 60 ft. G.I.P., 125 ft. heavy oil cut mud. IBHP 324, FBHP 324, IFP 76-76, FFP 85-85.

DST #4 - Marmaton/Congolmerate (straddle test). 3436 to 3480. 60-30-60-30. Recovered 75 ft. slightly oil cut mud with some free oil. IBHP 76, FBHP 85, IFP 76-85, FFP 85-85.

Name	Top	Bottom
Top Soil & sand	0'	103'
Sand	103'	165'
Shale	165'	911'
Sand, shale & lime	911'	1588'
Shale, shell & lime	1588'	1960'
Shale & Lime	1960'	2224'
Lime & shale	2224'	2530'
Shale & lime	2530'	2791'
Lime & shale	2791'	3580'
Rotary total depth	3580'	
Heebner	3110	-1231
Toronto	3131	-1252
Douglas Shale	3148	-1269
Brown Lime	3223	-1344
Lansing	3233	-1354
Marmaton	3445	-1556
Congolmerate	3468	-1589
Viola	3496	-1617
Simpson Sand	3528	-1649
Arbuckle	3541	-1662

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#...	..322'...	..60/40 poz	..250....	..3% cc, .2% gel
... PRODUCTION ...	..7-7/8"...	..5-1/2"...	..14#...	..3579'...	..60/40 poz	..150....	..3% cc, .2% gel
							10% salt, 3/4% Lomar, 1"D"
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
..3 DP.....	..3304 to 3306.....			..750 gal. NE. 15%.....			..3304-3306
..3 DP.....	..3256 to 3262.....			..3000 gal. SGA. 15%.....			..3256-3262
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
size 2-7/8		set at 3340		packer at N/A			
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain) .....						
7-18-84							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	50	T.S.T.M.	45			38	
	Bbbs	MCF	Bbbs	CFPB			

Disposition of gas:  vented  sold  used on lease  
 METHOD OF COMPLETION:  open hole  perforation  other (specify) .....

PRODUCTION INTERVAL  
 ..3304 to 3306 Lansing...  
 ..3256 to 3262 Lansing...

Dually Completed  
 Commingled

OPERATOR Hupfer Oil & Gas LEASE NAME Hart #2 SEC. 17 TWP. 20 RGE. 13



FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>Completion: MICT - <u>Perforated Marmaton</u> from 3454 to 3458, 3 holes per foot. Acidized with 300 gal NE 15%; no show. Set retrievable plug @ 3445.</p> <p><u>Perforate Lansing</u> from 3432 to 3436, 2 holes per foot. Acidized with 300 gal NE 15%; no show. Pulled plug and set @ 3400 ft.</p> <p><u>Perforate Lansing</u> 3364 to 3367, 2 holes per foot. Acidized with 250 gal NE 15%; no show. Pulled plug and set @ 3310.</p> <p><u>Perforate Lansing</u> 3304 to 3306, 3 holes per foot. Acidized 250 gal 15% NE. Swabbed load - good show of oil. Re-treated with 750 gal NE 15%. 5 BFPH, 50%. Pulled plug and set @ 3275.</p> <p><u>Perforated Lansing</u> 3256 to 3262, 3 holes per foot. Acidized with 250 gal 15% NE Swabbed 8 BOPH, 600 ft. off bottom. Overnight fill up 400 ft. of oil. Re-treated with 3000 gal SGA 15%. Swabbed half of load; good show of oil. Pulled retrievable plug - set drillable plug @ 3350. Run tubing &amp; rods. P.O.P.</p> <p><u>Lansing</u> 3304 to 3306 3256 to 3262</p> <p>Final - 50 BOPD &amp; 45 BWPD Harrison East field extension.</p>				

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