

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

5

Operator: License # 5614  
Name Hutchinson Oil Co.  
Address 105 S. Broadway, Suite #470  
City/State/Zip Wichita, Kansas 67202

Purchaser Texaco Trading & Transportation  
P.O. Box 5568, Denver, Co. 80217

Operator Contact Person Steve Hutchinson  
Phone 316 262 1525

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

Wellsite Geologist Jeffrey A. Burk  
Phone 316 263 2043

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:

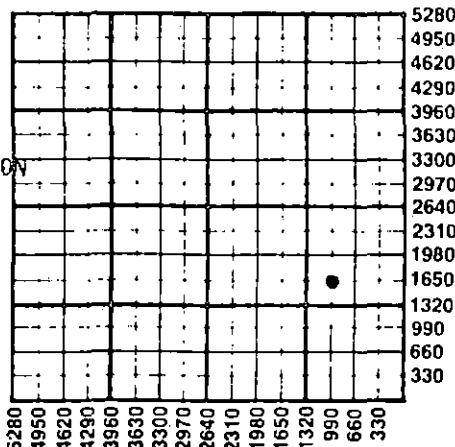
Mud Rotary  Air Rotary  Cable

7/25/88 8/2/88 8-18-88  
Spud Date Date Reached TD Completion Date  
3,825'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 268 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 cnt  
Cement Company Name  
Invoice #

API No. 15-185-22,537-0000  
County Stafford  
SW NE SE Sec 19 Twp 22S Rge 12 East  
1650 Ft North from Southeast Corner of Section  
990 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)  
Lease Name Krankenberg Well # 3-19  
Field Name Krankenberg Rev.  
Producing Formation LKC 3506-10'  
3536-40'  
Elevation: Ground 1870 KB 1875

Section Plat



11-15-88  
RECEIVED  
STATE CORPORATION COMMISSION  
NOV 15 1988  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  Repressuring

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

Source of Water:  
Division of Water Resources Permit # T88-395

Groundwater 1650 Ft North from Southeast Corner  
(Well) 990 Ft West from Southeast Corner of  
Sec 19 Twp 22S Rge 12 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 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. 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 William S. Hutchinson

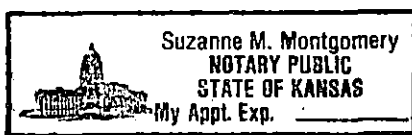
Title Owner Date 10/27/88

Subscribed and sworn to before me this 27 day of October 1988

Notary Public Suzanne M. Montgomery

Date Commission Expires 9-15-89

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)  
11-15-88



Sec 19, Twp 22S, Rge 12W

SIDE TWO

Operator Name Hutchinson Oil Co. Lease Name Krankenber Well # 3-19

Sec. 19 Twp. 22S Rge. 12  East  West County Stafford

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 3372-3418' 30-45-30-45 GTS 45 sec Gauge & stab 2,976 MCF Rec 63' HOGCM 120' HOGCM 25% oil ISIP 1265# FSIP 1253# IFP 616-623# FFP 576-626# IHP 1609# FHP 1605# BHT 105°  
 DST #2 3413-30' 30-45-60-45 45' MGO 48% oil 60' MGO 44% oil ISIP 960# FSIP 1111# IFP 35-40# FFP 45-54# IHP 1636# FHP 1629# BHT 108°  
 DST #3 3463-3500' 30-45-30-45 GTS 2 min Gauge 980,000 CFG in 30 min; 2nd opening OTS in 10 min Gauge 1,506,000 in 30 min Rec 420' CGO Gravity 35° ISIP 1316# FSIP 1300# IFP 300-364# FFP 373-392# IHP 1699# FHP 1673# BHT 107°  
 DST #4 3498-3542' 30-45-55-45 GTS in 2 min TSTM Rec 3200' CGO Gravity 35° ISIP 995# FSIP 946# IFP 225-329# FFP 427-638# IHP 1689# FHP 1677# BHT 108°  
 DST #5 3680-3750' 30-45-55-45 Rec 725' CO gravity 31° 240' O&GCMW ISIP 1240# FSIP 1236# IFP 62-172# FFP 214-396# IHP 1817# FHP 1792# BHT 113°

Name	Top	Bottom
Sand	0	140'
Red Bed	140'	180'
Sand, Shells & Shale	180'	683'
Anhydrite	683'	847'
Shale & Shells	847'	1,090'
Shale & Lime	1,090'	1,720'
Lime & Shale	1,720'	3,825'
Rotary Total Depth		3,825'

E-LOG TOPS

Anhy	680	+	1195
Heebner	3189	-	1309
Toronto	3203	-	1328
Douglas	3221	-	1346
BL	3319	-	1444
Lans	3334	-	1459
Viola	3634	-	1759
Arbuckle	3743	-	1868
LTD	3824	-	1949

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used				Production			
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"	20#	268'	60/40Poz	165	3% cc
Production	7-7/8"	5-1/2"	14#	3820'	Common	50	3% cc 2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4spf	3742-48' Arbuckle			300 gals 15% FE			
	Cast iron Bridge Plug @ 3650'						
2spf	3536-40' "K" zone			1000 gals 15% NE			
2spf	3506-10' "J" zone			500 gals 15% NE			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2-7/8		Set At 3620'		Packer at BP 3650'			
Date of First Production		Producing Method					
8/18/88		<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	
25		Bbls	MCF	0	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 3536-40'  
 Used on Lease  Dually Completed 3505-10'  
 Conningled