

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 # 5673
name W. L. Kirkman, Inc.
address P.O. Box 18611, 453 S. Webb Road
City/State/Zip Wichita, Kansas 67207

Operator Contact Person Wayne L. Kirkman
Phone (316) 685-5372

Contractor: license # 5829
name Aldebaran Drilling Co., Inc.

Wellsite Geologist Brian J. Kissick
Phone (316) 685-5372

PURCHASER None - dry hole

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
1-16-84 1-29-84 8-8-84
Spud Date Date Reached TD Completion Date

5379
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 686 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 - 033-20633-0000
~~19-20-643~~

County Comanche

C NE SW Sec 8 Twp 34S Rge 19 West

1874 Ft North from Southeast Corner of Section
3194 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

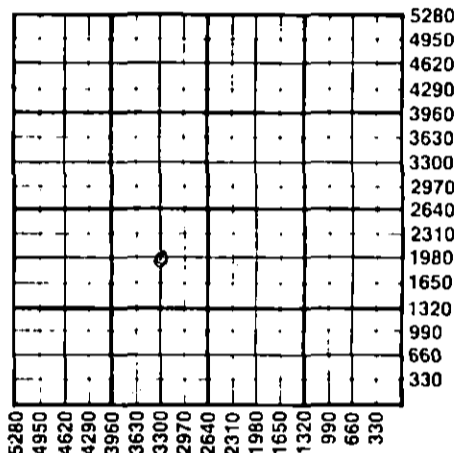
Lease Name Harbaugh Well# 1

Field Name

Producing Formation Mississippian D & A

Elevation: Ground 1928 KB 1937

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # 5165

Groundwater Ft North From Southeast Corner and (Well) Ft West From Southeast Corner of Sec Twp Rge 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) Protection, Kansas (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal 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.

RECEIVED
STATE CORPORATION COMMISSION
SEP 11 1984
7-11-84
CONSERVATION DIVISION
Wichita, Kansas

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 *Wayne L. Kirkman*
Wayne L. Kirkman
Title President Date 9-6-84

Subscribed and sworn to before me this 6th day of September 19 84

Notary Public KATHLEEN G. QUINN
Date Commission Expires JAN. 31 1988
Sedwick County, Kansas
My Appt. Exp. 3-20-87
Kathleen G. Quinn

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)

Sec. 8 Twp. 34 Rge. 19

Operator Name W. L. Kirkman, Inc. Lease Name Harbaugh Well# 1. SEC. 8. TWP. 34S. RGE. 19. 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: (4801-4874) 30-60-10-15
 IF: 39-26 ISIP: 78 FF: 26-26 FSIP: 26
 HP: 2422-2344
 Recovery: 22' slightly gas cut mud.

DST #2: (5038-5067) 30-60-30-60
 IF: 52-52 ISIP: 196 FF: 65-65 FSIP: 130
 HP: 2488-2409
 Recovery: 67' slightly gas cut mud.

DST #3: (5069-5106) 30-60-30-60
 IF: 52-65 ISIP: 1720 FF: 143-143 FSIP: 1707
 HP: 2488-2396
 Recovery: 190' slightly gas cut mud
 120' gassey saltwater, chlorides 45,000 ppm

DST #4: (5109-5133) 30-60-30-60
 IF: 52-39 ISIP: 1383 FF: 52-52 FSIP: 1279
 HP: 2488-2409
 Recovery: 75' slightly gas cut mud
 1900' gas in pipe

DST #5: (5226-5249) 30-60-45-90
 IF: 65-52 ISIP: 1810 FF: 39-39 FSIP: 1810
 Recovery: 120' slightly gas cut mud.

Name	Top	Bottom
Heebner Shale	4250	(-2413)
Lancing	4450	(-2613)
Swope	4848	(-3011)
Marmaton	4978	(-3141)
Pawnee	5018	(-3181)
"Reworked" Mississippi	5230	(-3494)
Mississippi	5260	(-3423)
LTD	5279	

CASING RECORD <input 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	23#	686	Common	225	2% gel, 3% CC
Production	7 7/8	4 1/2	10.5#	5370	60-40-POZ.	35	2% gel, 10% GIL
					60-40-POZ.	200	2% gel, 18% salt
							6% GIL/sx, 750-31

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
4	5235-5239	1,000 gals. 15% mud acid	5235-39
		FRAC w/ 10,000# 20-40 sand	5235-39
		2500# 10-20 sand	
PRODUCTION NOT COMMERCIAL			

TUBING RECORD			Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No	
size	set at	packer at		

Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)			
	Oil	Gas	Water	Gas-Oil Ratio
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION
 open hole perforation other (specify)

Dually Completed.
 Commingled

PRODUCTION INTERVAL

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