

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, Ste. 100
City/State/Zip Wichita, KS 67218

Purchaser Oil - Koch Oil Company
Gas - No Purchaser at this time

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

Contractor: License # 5829
Name Aldebaran Drilling Co., Inc.

Wellsite Geologist L. Kristopher Moore
Phone 316-685-5372

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
11-5-84 11-15-84 3-1-85
Spud Date Date Reached TD Completion Date
4113' 3930' 12-19-84
Total Depth PBTD

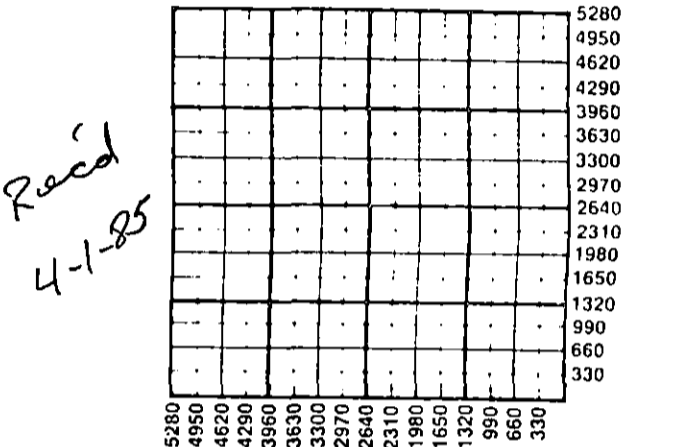
Amount of Surface Pipe Set and Cemented at 363' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-151-21,509-00-00
County Pratt
C SE NW 6 26S 11 East
Sec Twp Rge West

3300 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Bookstore Well # 1-6
Field Name STARK, N.E. - New pay?
Producing Formation Lansing B Zone - Oil
Mississippi Chert - Gas

Elevation: Ground 1847 KB 1856
Section Plat



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 #
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec 6 Twp 26S Rge 11 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 L. Kristopher Moore
Title L. Kristopher Moore, Geologist Date 1-29-85
Subscribed and sworn to before me this 29th day of January 1985
Notary Public Kathleen G. Quinn
Date Commission Expires March 20, 1987

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)

KATHLEEN G. QUINN
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Appt. Exp. 3-20-87

ATTACHMENT

SIDE TWO

Operator Name W. L. Kirkman, Inc. Lease Name Bookstore Well # 1-6

Sec. 6 Twp. 26S Rge. 11 East West County Pratt

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: Indian Cave Sand (2573-94) 30-30-30-30
IF: 90-78 FF: 112-101 ISIP: 427 FSIP: 694
HYD: 1216-1216 BHT: 94°F
REC: 30' slightly gas cut mud
120' mud
No gas to surface

Name	Top	Bottom
Herington	1815	(+ 41)
Howard B-Zone	2980	(-1124)
Heebner Shale	3379	(-1523)
Base Kansas City	3885	(-2029)
Mississippi Chert	3938	(-2082)
Kinderhook Shale	4030	(-2174)
Viola (sample top)	4108	(-2252)

DST #2: Tarkio Sand (2760-2838) 30-30-15-30
IF: 135-213 FF: 304-304 ISIP: 960 FSIP: 971
HYD: 1328-1313 BHT: 104°F
REC: 160' water cut mud
400' saltwater (Chlorides: 82,000)

DST #3 Howard B Zone (2983-3011) 30-60-30-60
Weak blow throughout both flows.
ISIP: 1044 FSIP: 1014 IF: 50-71 FF: 91-111
HYD: 1459-1439 BHT: 109°
REC: 30' mud
120' slightly oil cut mud (5% oil)

RELEASED

JUL 15 1986

FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Use							
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#...	..363'...	Common..	..300..	3% CC 2% Gel
..Production...	..7 7/8"...	..4 1/2"...	..10.5#...	..4110'...	60-40POZ	..325..	18% salt 3/4 of 1% D-31 w/ S-10 1,000 Gal DJ Mud Sweep
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	3942-68			2,000 gal. of 7% NE & 2% KCL		3942-68	
4	3841-43			1,500 gal. 15% NE Acid		3841-43	
4	3608-12			500 Gal. 15% NE Acid		3608-12	
4	2984-87 & 2993-96			500 Gal. 15% NE Acid		2984-87	
				5000# 10/20 Sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2 3/8"		Set At 3930'		Packer at 3806.73			
Date of First Production		Producing Method					
oil - 3-1-85		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
gas - approx. mid May, 1985							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
3		Bbls	MCF	123 bbls			
				Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold in May Other (Specify)
 Used on Lease Dually Completed
 Commingled

3608-12 - oil
3942-68 - gas

JUL 1 1986

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
CONFIDENTIAL

ZONES OF INTEREST:

Indian Cave Sand (2570-88):

Sandstone: gray-green, fine angular grains, glauconitic, micaceous, scattered fair granular porosity, trace of gas, no odor, no fluorescence, 24 unit hot wire kick after circulating for samples 30 minutes.

Howard B Zone (2990-3000):

Limestone: cream to gray, fine crystalline, scattered poor crystalline and pinpoint porosity, slightly chalky, soft, slight show of oil-gas, 9 unit hot wire kick.

Lansing B Zone (3610-20):

Limestone: cream, fine crystalline, very fine crystalline porosity, good odor, good show of live oil, fairly well saturated, dull fluorescence, 60 unit hot wire kick throughout entire circulation for samples at 3638'.

Mississippi (3848-60):

Chert: tan to white, fresh to semi-weathered, scattered fair pinpoint porosity, some fracture porosity, slight show of oil and gas, fleeting odor, gilsonite, no fluorescence, chert is 90% of the show.

Limestone: cream, fine crystalline and interbedded, fair crystalline porosity, trace of free high gravity oil, limestone is 10% of show.

DSTs Continued:

APR - 2 1985

Kansas Geological Survey
WICHITA BRANCH

DST #4: Lansing B Zone (3608-3628) 30-60-45-60

Gsa to surface in 12 minutes
Gauged: 5,300 cubic feet of gas.
ISIP: 1226 FSIP: 1176 IF: 60-71 FF: 91-111
HYD: 1671-1651 BHT: 115°F
REC: 65' slightly oil & gas cut mud (5% oil)
60' oil & gas cut mud (35% oil)
60' heavy oil & gas cut mud (55% oil)

DST #5: Hertha (3837-3870) 30-60-30-60

ISIP: 1176 FSIP: 781 IF: 71-71 FF: 81-81
HYD: 1893-1872 BHT: 118°F
REC: 60' slightly oil cut mud (10% oil)

DST #6: Mississippi (3940-3980) 30-60-30-60

ISIP: 1348 FSIP: 1348 IF: 81-91 FF: 91-101
HYD: 1913-1893
REC: 125' gas cut mud (Chlorides: 11,000)

Strong blow throughout both flows

Gas to surface in 9 minutes

1st blow: 15 min)
20 min) 56,800 MCF
30 min)

2nd blow: 5 min 72,400 MCF
10 min 63,500 MCF
20 min) 61,900 MCF
30 min)

Stabilized at 61,900 MCF

DST #7: Viola (4029-4110)

ISIP: 142 FSIP: 81 IF: 50-50 FF: 60-60
HYD: 1943-1923
REC: 20' drilling mud

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DST #8: Viola (4027-4113)

ISIP: 121 FSIP: 111 IF: 60-60 FF: 7171
HYD: 1993-1973
REC: 80' of drilling mud.
specks of oil on top of tool.

APR 1 1985



453 SOUTH WIEBE ROAD
P.O. BOX 18611
WICHITA, KANSAS 67207
(316) 685-5372

CONFIDENTIAL

WELL LOG

Released

WELL NAME: BOOKSTORE #1-6
WELL LOCATION: C SE-NW
SEC. 6-26S-11W PRATT COUNTY, KS.

OPERATOR: W.L. KIRKMAN, INC.

TRACTOR: ALDEBARAN DRILLING CO., INC.

JUL 10 1985

COMMENCED: 5:00 P.M. 11-5-84

COMPLETED: 7:00 A.M. 11-15-84

9 jts. 8 5/8" 23 new set at 363'
CASING RECORD: 300 sks. common 3% cc
2% gel. - 107 jts. 4 1/2" 10.5 w
used set at 4110' 325 sks 60-40
poz. 18% salt 3/4 of 1% D-31
w S10 1000 gal. DJ mud sweep

*STATE GEOLOGICAL SURVEY
WICHITA BRANCH*

FORMATION:

FROM:

TO:

Sand-Red Bed
Red Bed
Lime-Shale
Shale
Lithia

0
375'
1719'
4090'
4110'

375'
1719'
4090'
4110'
4113'

*APR - 2 1985
State Geological Survey
WICHITA BRANCH*

**RELEASED
JUL 15 1986
FROM CONFIDENTIAL**

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS:

CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE DRILLER'S LOG ON THE WELL DRILLED
C SE-NW, SEC. 6-26S-11W, Pratt County, Kansas TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

APR - 1 1985

ALDEBARAN DRILLING CO., INC.
WAYNE L. KIRKMAN
PRESIDENT

SUBSCRIBED AND SWORN TO BEFORE ME THIS 20TH DAY OF NOVEMBER, 1984

KATHLEEN G. QUINN
MY APPOINTMENT EXPIRES
MARCH 20, 1987
3-20-87

MARCH 20, 1987

Kathleen G. Quinn
KATHLEEN G. QUINN