

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

5

15-051-24,434-00-00

API NO. 15-.....  
County.....Ellis.....  
NE.. SW..SW.... Sec..34 Twp.13S Rge.20.. East  
..... West  
..... 290... Ft North from Southeast Corner of Section  
..... 4290... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Operator: License # ..... 6033  
Name ..... Murfin Drilling Company  
Address ..... 250 N. Water  
..... Suite 300  
City/State/Zip ..... Wichita, Ks. 67202

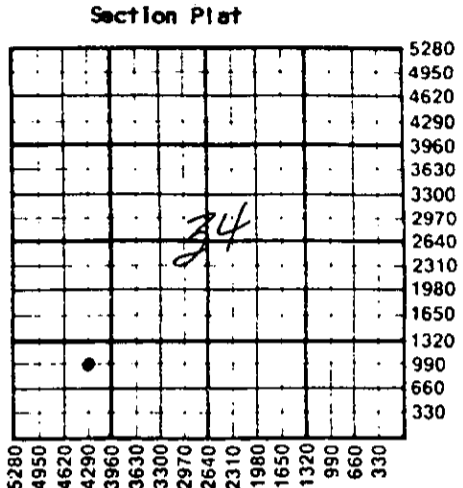
Lease Name.....NICHOLSON.....Well #..2-34..  
Field Name.....Pleasant.....  
Producing Formation.....Arbuckle.....  
Elevation: Ground.....2290.....KB.....2295.....

Purchaser.....Farmland Ind.  
Operator Contact Person ..... Larry M. Jack  
Phone ..... 316-267-3241

Contractor: License # ..... 6033  
Name ..... Murfin Drilling Company  
Wellsite Geologist..... Roger Welty  
Phone..... 913-674-5835

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

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



WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  
Docket # .....  Repressuring

WELL HISTORY  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9-28-86 ..... 10-07-86 ..... 10/29/86 .....  
Spud Date Date Reached TD Completion Date  
4000' ..... 3956' .....  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at.....feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from.....feet depth to.....surf...w/ 350 SX cmt  
Cement Company Name .....  
Invoice # .....

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 Twp Rge 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.

By: *Larry M. Jack*  
Signature .....  
Title..... Larry M. Jack, Eastern Div., Prod. Mgr. .... 11/5/86

Subscribed and sworn to before me this 5 day of NOV 1986  
Notary Public: *Kerran Redington*  
Kerran Redington  
Date Commission Expires 2/6/90

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)  
.....  
.....

KERRAN REDINGTON  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 2-6-90

Sec 34 Twp 13 Rge 20 W

Operator Name ..... Murfin Drilling Company ..... Lease Name..... NICHOLSON ..... Well #... 2-34

Sec... 34 ..... Twp... 13S... Rge... 20W.....  East  West County..... Ellis .....

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: 3490-3514'. 30-60-45-90. Rec: 154' MW  
 HP: 1822-1781, SIP: 1156-1125, FP: 95-105/105-137,  
 BHT: 116°, RW: 48,000 gauged .052 @ 73°

DST #2: 3568-3620. 30-60-45-90. Rec: 565' GSW  
 HP: 1895-1833, SIP: 1031-958, FP: 137-222/243-360,  
 BHT: 118°, RW: 40,000 gauged: .064 @ 75°

DST #3: 3620-3666. 30-60-45-90. Rec: 345' MSW  
 HP: 1968-1885, SIP: 686-675, FP: 116-148/158-211,  
 BHT: 120°, RW: .068 @ 73°

DST #4: 3724-3785. Rec: 75' M. HP: 2040-2010,  
 SIP: 592-581, FP: 105-107/116-137, BHT: 123°

DST #5: 3854-3890. 30-60-45-90. Rec: 20' M  
 HP: 2146-2094, SIP: 606-665, FP: 84-84/84-84, BHT: 123°

DST #6: 3888-3918, 30-60-45-90. Rec: 441' MCO  
 (252' 70% O, 10% M, 20% G + 180' 30% O, 50% M, 20% G)  
 + 124' GIP. HP: 2146-2094, SIP: 822-843, FP: 148-169/211-233

DST #7: 3918-2937'. Rec: 30' CGO + 60' OCMW (20% O, 30% M, 50% W) + 378' SW.  
 HP: 2125-2041, SIP: 1104-1062, FP: 95-137/180-243.

Name	Top	Bottom
LOG TOPS:		
ANHYDRITE	1603	
B/ANHYDRITE	1650	
TOPEKA	3296	
HEEBNER	3531	
LANSING	3572	
ARBUCKLE	3900	
LTD	3995	
RTD	4000	

RELEASED

DEC 23 1987

FROM CONFIDENTIAL

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#	256'	60/40	175	2% gel, 3% ct
Prod.	7 7/8"	5 1/2"	15.5# + 300	3999'	Class A Howcplite + 50 sx.	150	10% salt, 3/4% Pozmix
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
8	3901-07'			250 gal. 28% Double FE		3901-07'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Size 2 7/8" Set At 3950'		Packer at			
10/29/86		Producing Method <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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity	
3				14			

CFR-2

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Solid  Other (Specify) ..... 3901-07'  Used on Lease  Dually Completed  Commingled .....