

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 # 5198
name A. Scott Ritchie
address 125 N. Market, Suite 950
City/State/Zip Wichita, KS 67202

Operator Contact Person Rocky Milford
Phone 316/267-4375

Contractor: license # 6033
name Murfin Drilling Co.

Wellsite Geologist Rich Robba
Phone 316/264-6653

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
7-3-84 7-11-84 7-11-84
Spud Date Date Reached TD Completion Date

4398' RTD n/a
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 247 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from 247 feet depth to surface w/ 1.70 SX cmt

API NO. 15-135-22,615-00-00

County Ness

100' E of S/2 NW NW Sec. 8 Twp. 17S Rge. 22 West

4290 Ft North from Southeast Corner of Section
4520 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

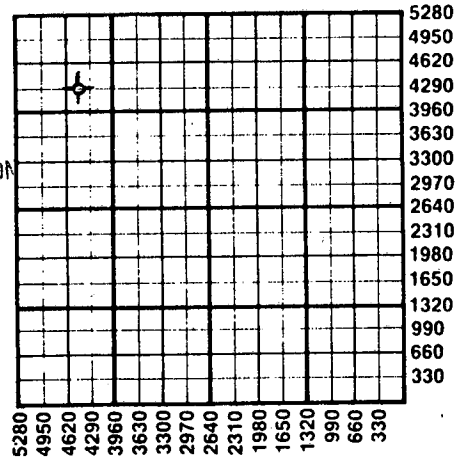
Lease Name Higgins Well# 1

Field Name

Producing Formation n/a

Elevation: Ground 2350' KB 2355'

Section Plat



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SEP 27 1984
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

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) (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.

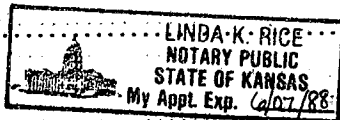
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 [Signature] Title Operator Date 9/17/84

Subscribed and sworn to before me this 17th day of September 1984

Notary Public Linda K. Rice Date Commission Expires 10/1/88



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. 8 Twp. 17 Rge. 22 West

Operator Name A. Scott Ritchie Lease Name Higgins Well# 1 SEC. 8 TWP. 17S RGE. 22 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

	Name	Top	Bottom
DST #1 from 4274' to 4285' (Cherokee sand). Recovered 1' of mud, no show of oil. IFP: 21-21#/15"; ISIP: 32#/30"; FFP: 21-21#/15"; FSIP: 21#/30".	Anhydrite	1647'	(+ 708)
	B/Anhydrite	1681'	(+ 674)
	Heebner	3750'	(-1395)
	Toronto	3770'	(-1415)
	Lansing	3789'	(-1434)
DST #2 from 4337' to 4355' (Lower Cher. Sand) Recovered 1' of mud, no show of oil. IFP: 21-21#/30"; ISIP: 21#/30"; FFP: 21-21#/30"; FSIP: 21#/30".	B/KC	4068'	(-1713)
	Pawnee	4168'	(-1813)
	Ft. Scott	4262'	(-1907)
	Cherokee Sh.	4278'	(-1923)
	Cherokee Sd.	4280'	(-1925)
DST #3 from 4338' to 4370' (Mississippi). Recovered 5' of mud with a few specks of oil. IFP: 43-43#/30"; ISIP: 524#/30"; FFP: 43-43#/30"; FSIP: 272#/30".	Mississippi	4362'	(-2007)
	LTD	4398'	(-2043)
DST #4 from 4368' to 4378' (Mississippi). Recovered 1' of oil cut watery mud and 113' of muddy salt water. IFP: 66-77#/45"; ISIP: 1267#/45"; FFP: 77-88#/45"; FSIP: 1235#/45".			

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 1/2"	8-5/8"	24#	247'	quickset	170	none
PERFORATION RECORD specify footage of each interval perforated				Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)			
shots per foot							Depth
TUBING RECORD size set at packer at				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing method <input type="checkbox"/> flowing <input 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		
	Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify) _____

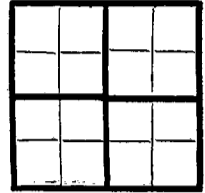
PRODUCTION INTERVAL: Dually Completed. Commingled

WELL LOG

A. SCOTT RITCHIE
 COMPANY 125 N. Market, Suite 950
 Wichita, KS 67202
 FARM HIGGINS NO. 1
 RIG. NO. 16
 TOTAL DEPTH 4398'
 COMM. 7-3-84 COMP. 7-11-84
 CONTRACTOR MURFIN DRILLING COMPANY
 250 N. Water, Suite 300
 Wichita, KS 67202

SEC. 8 T. 17 R. 22W
 LOC. 100' E S/2 NW NW

COUNTY Ness
 KANSAS



DEPTH	FORMATION	PRODUCTION
20	10	
15	8-5/8" csg set @ 247' w/170 sx Common Quickset	ELEVATION
12	6	
13	5	

FIGURES INDICATE BOTTOM OF FORMATIONS

Post Rock	55'
Shale	116'
Flint Rock	120'
Shale	248'
Sand & Shale	1830'
Anhydrite	1693'
Shale	2845'
Shale & Lime (RTD)	4398'

RECEIVED
 STATE CORPORATION COMMISSION

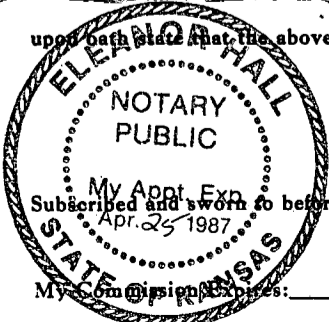
AUG 09 1984

CONSERVATION DIVISION
 Wichita, Kansas

State of Kansas
 County of Sedgwick } ss:

I, Robert A. Ramseyer, Jr. of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Higgins #1 well.



Robert A. Ramseyer, Jr.
 Robert A. Ramseyer, Jr., Agent for Operator

Eleanor Hall
 NOTARY PUBLIC

My Commission Expires: 4-25-87