

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 # 4767
Name Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
City/State/Zip Wichita, KS 67202
Purchaser Koch Oil Company
Wichita, Kansas
Operator Contact Person Rocky Milford
Phone 316/267-4375
Contractor: License # 6033
Name Murfin Drilling Co.
Wellsite Geologist Leah Ann Kasten
Phone 316/267-4375

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SMD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)
If OMWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mid Rotary Air Rotary Cable
4/17/86 4/22/86 5/13/86
Spud Date Date Reached TD Completion Date
3904' n/a
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 260 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2049 feet
If alternate 2 completion, cement circulated
from 2049 feet depth to surface 550 cmt
Cement Company Name Allied Cementing Co.
Invoice # 46680

API NO. 15-15-065-22,313-00
County Graham
100' E of East
C SE SE Sec. 18 Twp. 6 Rge. 22 West
660 Ft North from Southeast Corner of Section
560 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name Griffey-18D Well #. 1
Field Name Pen
Producing Formation Lansing
Elevation: Ground 2389' KB 2394'
Section Plat

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # no water at present 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 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 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 [Signature]
Title President Date 5/27/86
Subscribed and sworn to before me this 27th day of May 1986
Notary Public Linda K. Rice
Date Commission Expires 6/07/88

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)



STATE CORPORATION COMMISSION
JUN 05 1986
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Griffey-18D Well # 1

Sec. 18 Twp. 6S Rge. 22 East West County Graham

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 from 3540' to 3580' (Lower Top-eka). Recovered 150' of watery mud and 2,280' of muddy salt water w/scum of oil. IFP:216-926#/30"; ISIP:1271#/30"; FFP:961-1156#/30"; FSIP:1271#/30".

DST #2 from 3584' to 3643' (Toronto & Lansing "A" zone). Recovered 140' of watery mud and 2,380' of salt water, no show of oil. IFP:251-972#/30"; ISIP:1290#/30"; FFP:1006-1179#/30"; FSIP:1290#/30".

DST #3 from 3731' to 3795' (L/KC H, I, & J zones). Recovered 240' of gas in pipe and 280' of mud cut oil. IFP:45-93#/30"; ISIP:1149#/45"; FFP:114-139#/30"; FSIP:1145#/45".

DST #4 from 3869' to 3904' (Cong. sd.). Recovered 100' of mud with oil spots; 360' of muddy water with oil spots; and 1,140' of salt water. IFP:367-848#/15"; ISIP:1142#/30".

Name	Top	Bottom
Anhydrite	2044' (+ 350)	
B/Anhydrite	2078' (+ 316)	
Topeka	3396' (-1002)	
Heebner	3590' (-1196)	
Toronto	3615' (-1221)	
Lansing	3632' (-1238)	
B/KC	3824' (-1430)	
Cgl. sd.	3883' (-1489)	
LTD	3904' (-1510)	

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"	23#	260'	60/40 ppz	185	2% gel 3%
production	7-7/8"	4 1/2"	10.5#	3877'	60/40 ppz	130	10% salt & 3% gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
1	3/8"	3785' - 3777'		1500 gal. of 28% acid			3785' - 3777'
2	SSB jets	3782 1/2' - 86 1/2' - 3774' - 3778'					
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
5/13/86							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	60 Bbls	MCF	0 Bbls	CFPB			

METHOD OF COMPLETION

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

Production Interval
 3774' - 78' &
 3782 1/2' - 86 1/2'