API NO. 15- 151-21,984-00-00

Form ACO-1 (7-89)

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

| WELL COMPLETION FORM | County Pratt | | | | |
|---|--|--|--|--|--|
| ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE | SE SW NE Sec. 28 Twp. 29 Rge. 14 East west | | | | |
| Operator: License # 5929 | Ft. North from Southeast Corner of Section | | | | |
| Name: Duke Drilling Co., Inc. | 1650 Ft. West from Southeast Corner of Section | | | | |
| Address P.O. Box 823 | Ft. West from Southeast Corner of Section (MOTE: Locate well in section plat below.) | | | | |
| Address | Lease NameCooper Welt #1-28 | | | | |
| | Field Name | | | | |
| city/state/Zip <u>Great Bend, KS 67530</u> | · | | | | |
| Purchaser: | Producing Formation | | | | |
| Operator Contact Person: James B. Phillips | Elevation: Ground 1983 KB 1991 | | | | |
| Phone (_ 316 267-1331 | Total Depth 4700' PBTD | | | | |
| Contractor: Name:Duke Drilling Co Inc. z | 5280 | | | | |
| Σ | 4620 | | | | |
| License:5929 | 3960 3630 | | | | |
| Wellsite Geologist: | 3300 | | | | |
| Designate Type of Completion X New Well Re-Entry Workover, | 2640 N | | | | |
| New Well Re-Entry WorkoverW | 1980 TV | | | | |
| Oil SWD Temp. Abd. | 1650 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | |
| x Dry Other (Core, Water Supply etc.) | ENV 23 KSUSSS 660 | | | | |
| Designate Type of Completion New Well Re-Entry Workover | Wichitz. 12 | | | | |
| Operator: | 5280 4950 4620 4620 3306 3306 2316 1320 1320 990 330 | | | | |
| Well Name: | Amount of Surface Pipe Set and Cemented atFeet | | | | |
| Comp. DateOld Total Depth | Multiple Stage Cementing Collar Used? Yes No | | | | |
| rilling Method: | If yes, show depth set Feet | | | | |
| Mud Rotary Air Rotary Cable | If Alternate II completion, cement circulated from | | | | |
| 03-02-90 3-9-90 3-9-90 jpud Date Date Reached TD Completion Date | | | | | |
| · | feet depth to w/ sx cmt. | | | | |
| Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will writing and submitted with the form. See rule 82-3-wireline logs and drillers time log shall be attached with form with all plugged wells. Submit CP-111 form with all | of filed with the Kansas Corporation Commission, 200 Colorado of the spud date of any well. Rule 82-3-130, 82-3-107 and see held confidential for a period of 12 months if requested in 107 for confidentiality in excess of 12 months. One copy of all this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 ll temporarily abandoned wells. Any recompletion, workover or | | | | |
| conversion of a well requires filing of ACO-2 within 120 day | ys from commencement date of such work. | | | | |
| ll requirements of the statutes, rules and regulations promulith and the statements herein are complete and correct to the | gated to regulate the oil and gas industry have been fully complied me best of my knowledge. | | | | |
| | | | | | |
| ignature Amer 1 | K.C.C. OFFICE USE ONLY | | | | |
| itle Explo Manager Date 9 | F Letter of Confidentiality Attached Wireline Log Received Drillers Timelog Received | | | | |
| ubscribed and sworn to before me this 1140 day of 90 | Distribution | | | | |
| otary Public Stelly Hotalis | SALLY R. BYERS KGS SWD/Rep NGPA Other | | | | |
| ate Commission Expires 12/6/92 | NOTARY PUBLIC STATE OF KANSAS (Specify) | | | | |
| | Appl. Exp. 12/6/992 | | | | |

SIDE THO

| Operator NameDuk | e Drilling | Co., Inc. | Lease Name | Cooper | | Well # | 1-28 | | |
|--|---|--|----------------------------------|-----------------------|--|-------------------------------|-------------------------------|--|--|
| Зес. 28 Тыр. 29 | Rge14 | East | County | Pratt | | | <u></u> | | |
| interval tested, tim hydrostatic pressures if more space is need | important tops e tool open a ;, bottom hole | and base of formati nd closed, flowing temperature, fluid re | and shut-in pre | ssures, whet | her shut-in pro | essur e r ea | ched static level, | | |
| Orill Stem Tests Taken (Attach Additional Sheets.) | | | | Formation Description | | | | | |
| Samples Sent to Geolo | - | Yes X No | , | | [X] Log □ | Sample | | | |
| Cores Taken | | 🗌 Yes 🗓 No | Name | | Тор | Bot1 | om | | |
| Cleatric Log Run (Satumit Copy.) | ./ . | ☐ Yes ☒ No | BKC Viola Simpse Arbuck | 4 · on Sand | 3846 (-18 \$\psi 0284 \(\bar{5} \right) 20 \$4111 (-24) \$4537 (-25) \$4578 (-25) \$4668 (-26) |)45) 128) 154) 1554) | • | | |
| * | | | TD . | | 4702 · | | | | |
| CASING RECORD New Used 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 | 1211 | 8-5/8" | 20# | 401' | 60/40poz | 215 | | | |
|) - | | | · | <u> </u> | | | | | |
| PERFORATION RECORD Shorts Per Foot Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | | | | | | | | | |
| \(\frac{1}{2}\) | | | | | | | | | |
| | · | | | | | | | | |
| FUBIEC RECORD | Size | Set At | Packer At | Liner Run | ☐ Yes ☐ | No | | | |
| Date of First Produc | tion Producin | ng Method Flowing | Pumping G | as Lift 🗆 | Other (Explain) | | | | |
| Estimated Production Per 24 Hours | Oil | Bbls. Gas | Mcf Wate | Bbls. | Gas-Oil | Ratio | Gravity | | |
| C'sposition of Gas: NETHOD OF COMPLETION Production Interval | | | | | | | | | |
| Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled (If vented, submit ACO-18.) Other (Specify) | | | | | | | | | |
| | | | | | | | | | |



WESTERN TESTING CO., INC. FORMATION TESTING

TICKET

Telecopier TOTAL

API 415-151-21,984 P. O. BOX 1599 Formation_ _____Ff. Pav____Ft. PHONE (316) 262-5861 Elevation_ WICHITA, KANSAS 67201 Date T __Customer Order No._ District COMPANY NAME ADDRESS __STATE Sec. Twp. Rge. _COUNTY_ LEASE AND WELL NO. Mail Invoice To_ _No. Copies Requested___ Co. Name Address Mail Charts To_ _No. Copies Requested___ Address ft. to Interval Tested From Formation Test No.___ ft. Total Depth Packer Depth ft. Size in. Packer Depth ft. Size Packer Depth _ft. Packer Depth____ ft. _in. Depth of Selective Zone Set_ ft Recorder Number Top Recorder Depth (Inside) Cap._ Bottom Recorder Depth (Outside) _ft. Recorder Number Cap. Below Straddle Recorder Depth ft. Recorder Number___ Drilling Contractor___ Drill Collar Length_ ____I. D.__ in. I. D. Mud Type____ ____Viscosity___ Weight Pipe Length___ in. Weight_ _Water Loss__ Drill Pipe Length. I. D. in cc Chlorides_ P.P.M. Test Tool Length___ __ft. Tool Size Tars: Make___ _Serial Number_ Anchor Length ___ft. Size in. Did Well Flow? Surface Choke Size _Reversed Out_ in Bottom Choke Size___ in. Main Hole Size Tool Joint Size Blow: Recovered____ _ft. of__ Recovered ft. of Recovered ft. of_ Recovered ft of Recovered Chlorides_ P.P.M. Sample Jars used _____Remarks: A.M. P.M. Time Pick Up Tool Time On Location_ P.M. Time Off Location___ Time Set Packer(s)_ Time Started Off Bottom___ Maximum Temperature___ Initial Hydrostatic Pressure(A)_ P.S.I. P.S.I. to (C)___ __(B)___ P.S.I. ___(D)_ P.S.I. to (F)___ _(E)_ _P.S.I. P.S.I. Final Hydrostatic Pressure(H)_ FIELD INVOICE COMPANY TERMS Open Hole Test Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. Mismin Straddle Test Tars All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount. Selective Zone Safety Joint Standby Evaluation Test Approved By______Signature of Customer or his authorized representative Extra Packer Circ. Sub. Mileage Fluid Sampler Western Representative Extra Charts Insurance



P. O. BOX 1599

PHONE (316) 262-5861

WESTERN TESTING CO., INC. FORMATION TESTING

Formation

15-151-21,984

TOTAL.

Eff. Pay____

WICHITA, KANSAS 67201 Date Customer Order No. District_ COMPANY NAME_ ADDRESS _COUNTY__ STATE Sec. Twp. Rge. LEASE AND WELL NO .___ Mail Invoice To_ _No. Copies Requested____ Co. Name Address ____No. Copies Requested____ Mail Charts To_ Address Formation Test No.____Interval Tested From ft. to ft. Total Depth Packer Depth 1997 Size in. ft. Size Packer Depth_ _ft. ft. Packer Depth_ Packer Depth___ Depth of Selective Zone Set___ Recorder Number Cap. Top Recorder Depth (Inside) ft. Recorder Number Cap. Bottom Recorder Depth (Outside) _ft. Below Straddle Recorder Depth ft. Recorder Number___ Drilling Contractor____ Drill Collar Length_ __I. D.___ Mud Type _I. D__ in. __Viscosity___ Weight Pipe Length___ Weight_ __Water Loss____ Drill Pipe Length_ _I. D.__ _in. ft. Chlorides___ ___P.P.M. Test Tool Length Tool Size in. Anchor Length ft. Jars: Make ____Serial Number____ Size__ in. Did Well Flow? Surface Choke Size __Reversed Out___ in. Bottom Choke Size _in. in. Main Hole Size ____in. Tool Joint Size Blow:___ Recovered___ ft. of Recovered__ ft. of_ Recovered__ _ft. of__ Recovered ft. of Recovered_ _ft. of_ Chlorides__ P.P.M. Sample Jars used _____Remarks:_ A.M. P.M. A.M. P.M. Time Pick Up Tool Time On Location_ Time Off Location___ A.M. P.M. Time Started Off Bottom___ Time Set Packer(s)_ Maximum Temperature___ Initial Hydrostatic Pressure(A) _____P.S.I. (B)____ P.S.I. to (C)____ P.S.I. P.S.I. to (F)____ P.S.I. ____P.S.I. Final Hydrostatic Pressure(H) FIELD INVOICE COMPANY TERMS Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. Open Hole Test Misrun Straddle Test Tars All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount. Selective Zone Safety Joint Standby Evaluation Extra Packer Signature of Customer or his authorized representative Circ. Sub. Mileage Fluid Sampler Western Representative... Extra Charts Insurance Telecopier