

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
RECOMPLETION FORM
ACO-2 AMENDMENT TO WELL HISTORY

API NO. 15- 065-22156 -00-01

County Graham

C SE Sec. 9 Twp. 6S Rge. 22 X East West

1320 Ft. North from Southeast Corner of Section

1320 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Mary Rush Well # 9-9-3

Field Name Springbird

Producing Formation _____

Elevation: Ground 2297 KB 2302

Operator: License # 6889

Name: Oxford Exploration Company

Address: PO Box 37390

City/State/Zip: Denver CO 80237

Purchaser: _____

Operator Contact Person: David E. Park, Jr.
Phone: (303) 741-2888

Designate Type of Original Completion
 New Well Re-Entry Workover

Date of Original Completion 6/13/85

Name of Original Operator Oxford Exploration

Original Well Name Mary Rush 9-9-3

Date of Recompletion: _____

Commenced 1/17/91 Completed 1/18/91

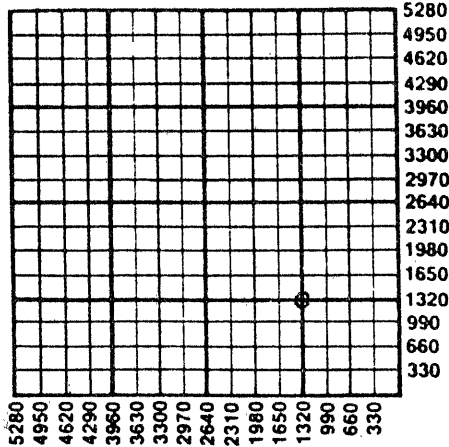
Re-entry Workover

Designate Type of Recompletion/Workover:
 Oil SWD Temp. Abd. 01-28-91
 Gas Inj Delayed Comp. 28 1991
 Dry Other (Core, Water Supply, etc.)

Deepening Re-perforation
 Plug Back PBD
 Conversion to Injection/Disposal

Is recompleted production: _____

Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (Disposal or Injection?)
Docket No. E-26139



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Bond log in UIC file
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

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 recompletion of any well. Rules 82-3-107 and 82-3-141 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 any additional wireline logs and driller's time logs (not previously submitted) shall be attached with this form. Submit ACO-4 or ACO-5 prior to or with this form for approval of commingling or dual completions. Submit CP-1 with all plugged wells. Submit CP-111 with all temporarily abandoned wells. NOTE: Conversion of wells to either disposal or injection must receive approval before use; submit form U-1.

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 Barry R Gager Title Geologist Date 1/25/91

Subscribed and sworn to before me this 25th day of January 19 91

Notary Public Anne E. Voth Date Commission Expires 10/5/92

SIDE TWO

Operator Name Oxford Exploration Company Lease Name Mary Rush Well # 9-9-3

Sec. 9 Twp. 6S Rge. 22 East West County Graham

RECOMPLETION FORMATION DESCRIPTION

Log Sample

Name Top Bottom

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	surf.	300'	standard	50	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
2½	3551-53	250 gal 15% MCA
	3703-05	250 gal 15% MCA, 2000 gal 15% NE acid

PBTD 3885 Plug Type cement

TUBING RECORD

Size 2 3/8' Set At 3514' Packer At 3514' Was Liner Run Y N

Date of Resumed Production, Disposal or Injection waiting on approval

Estimated Production Per 24 Hours Oil _____ Bbls. Water _____ Bbls. Gas-Oil-Ratio _____
 Gas _____ Mcf

Disposition of Gas:

Vented Sold Used on Lease (If vented, submit ACO-18.)

DISTRICT Hays KS

DATE 1-17-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Oxford Exploration (CUSTOMER) RECEIVED JAN 25 1991
 AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 9-9-3 LEASE Mary Rush SEC. 9 TWP. 6S RANGE 22W

FIELD NW Hill City KS COUNTY Graham STATE KS OWNED BY Oxford Exploration

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 PACKER: TYPE _____ SET AT _____
 TOTAL DEPTH _____ MUD WEIGHT _____
 BORE HOLE _____
 INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
 PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			8 5/8	KB	302	
PIPE CSY.			4 1/2	KB	3960	
TUBING			1/2"	KB	300	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Cement Annulus between 4 1/2" + 8 5/8" casing down 1/2" + bg
w/50 sbs Standard Cement as directed

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage, (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED _____ CUSTOMER

DATE 1-17-91

TIME 0925 (A.M.) P.M.

RETAIN

FIELD NE H.11 City KS ORIGINAL SEC. 12 TWP. 6S RNG. 22W COUNTY Graham STATE KS

FORMATION NAME TYPE FROM TO INITIAL PROD: OIL BPD. WATER BPD. GAS MCFD PRESENT PROD: OIL BPD. WATER BPD. GAS MCFD COMPLETION DATE MUD TYPE MUD WT. PACKER TYPE SET AT BOTTOM HOLE TEMP. PRESSURE MISC. DATA TOTAL DEPTH

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows: CASING (8 5/8 KB 302), TUBING (4 1/2 CS9 4 1/2 KB 3960, 1/2 KB 300), OPEN HOLE, PERFORATIONS.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times for 1-17.

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY., MAKE. Rows: FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes J. Moore, K. Legg, C. Stafford.

RECEIVED JAN 25 1991

MATERIALS

TREAT. FLUID DENSITY LB/GAL-API DISPL. FLUID DENISTY LB/GAL-API PROP. TYPE SIZE LB. ACID TYPE GAL. % SURFACTANT TYPE GAL. IN. NE AGENT TYPE GAL. IN. FLUID LOSS ADD. TYPE GAL.-LB. IN. GELLING AGENT TYPE GAL.-LB. IN. FRIC. RED. AGENT TYPE GAL.-LB. IN. BREAKER TYPE GAL.-LB. IN. BLOCKING AGENT TYPE GAL.-LB. PERFPAC BALLS TYPE QTY. OTHER

DEPARTMENT Cement DESCRIPTION OF JOB Cement Ann between 4 1/2" + 2 5/8" casing w/ 1/2" + by w/ 50 SKS Standard

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN. CUSTOMER REPRESENTATIVE X Tack Moore HALLIBURTON OPERATOR Tack Moore COPIES REQUESTED

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Row: 50 Standard Neat 1.18 15.6

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING DISPLACEMENT PRESLUSH: BBL-GAL. TYPE BREAKDOWN MAXIMUM LOAD & BKDN: BBL-GAL. PAD: BBL-GAL. AVERAGE FRACTURE GRADIENT TREATMENT: BBL-GAL. DISPL: BBL-GAL. SHUT-IN: INSTANT 5-MIN. 15-MIN. HYDRAULIC HORSEPOWER CEMENT SLURRY: BBL-GAL. TOTAL VOLUME: BBL-GAL. ORDERED AVAILABLE USED AVERAGE RATES IN BPM REMARKS See Job log Thank you Tack Moore JAN 28 1991 TREATING DISPL. OVERALL CEMENT LEFT IN PIPE FEET REASON

CUSTOMER Oxford Exploration LEASE Mary Rush WELL NO. 9-9-3 JOB TYPE Cement Ann DATE 1-17-91

JOB LOG

ORIGINAL

WELL NO. 9-9-3 LEASE MARY RUSH TICKET NO. 1904612
 CUSTOMER Oxford Exploration PAGE NO. 1 of 1
 JOB TYPE Cont. Ann. through 1/2" tbg DATE 1-17-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							Called out - Ready @ 0930
	0910							On location - setup
	0944							Rig start running 1/2" tbg
	1005							Tbg stacked out @ 300'
	1030							Hook up to 1/2" tbg
	1032					400		Start cement - 50 sks Standard w/ No additives
	1036	1/2	1			400		Hole circulated
	1053	1/2	9			400		Cement Circulated
	1100	1/2	10.5			300		Finish Cement - Circulated 1 1/2 bbl
	1104							Wash up truck
	1115							Job Complete
								Thankyou Kent - Carl - Jack

1/17/91