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NOV 9 9 1992

11-9-92

OCT 25

ORIGINAL CONFIDENTIAL

11

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

API NO. 15- 065-22,648-00-00

County Graham ✓

SW SW NW Sec. 3 Twp. 7S Rge. 23 X East West

3040' ✓ Ft. North from Southeast Corner of Section

4880' ✓ Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Fountain ✓ Well # #4

Field Name Mt. Etna Northwest

Producing Formation BKC

Elevation: Ground 2355 KB 2360

Total Depth 3870' PSTD 3834

Operator: License # 5058

Name: Griggs Oil, Inc.

Address 107 N. Market, #800

City/State/Zip Wichita, KS 67202

Purchaser: Koch

Operator Contact Person: Jim Collins

Phone (316) 267-7779

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Roger Welty

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

9-4-91 9-10-91 9-19-91

Spud Date Date Reached TD Completion Date

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

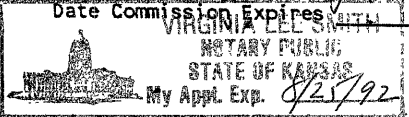
Signature Wilber D Berg

Title Production Super. Date 10/25/91

Subscribed and sworn to before me this 25th day of October, 1991.

Notary Public Virginia H Smith

Date Commission Expires August 25, 1992

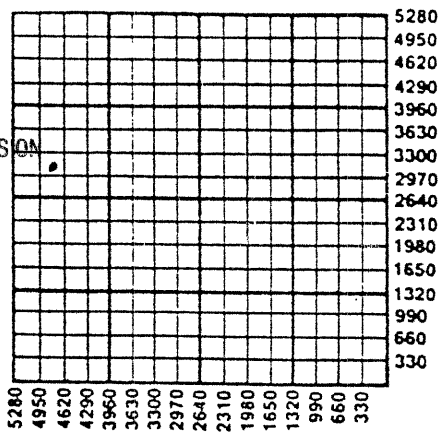


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NON DIVISION
Wichita, Kansas

10-28-91



12-26-91

Amount of Surface Pipe Set and Cemented at 221' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2032 Feet

If Alternate II completion, cement circulated from 2032

feet depth to surface w/ 525 sx cmt.

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)

SIDE TWO

Operator Name Griggs Oil, Inc. Lease Name Fountain Well # 4
 Sec. 3 Twp. 7S Rge. 23 East County Graham
 West

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <th style="width:60%;"></th> <th style="width:20%; text-align: center;"><input checked="" type="checkbox"/> Log</th> <th style="width:20%; text-align: center;"><input type="checkbox"/> Sample</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhy</td> <td style="text-align: center;">2017</td> <td></td> </tr> <tr> <td>B Anhy</td> <td></td> <td style="text-align: center;">2049</td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">3583</td> <td></td> </tr> <tr> <td>Toronto</td> <td style="text-align: center;">3608</td> <td></td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3623</td> <td></td> </tr> <tr> <td>B K C</td> <td></td> <td style="text-align: center;">3819</td> </tr> <tr> <td>L T D</td> <td style="text-align: center;">3870</td> <td></td> </tr> </tbody> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Anhy	2017		B Anhy		2049	Heebner	3583		Toronto	3608		Lansing	3623		B K C		3819	L T D	3870	
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CASING RECORD <input 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"	20#	221'	60-40 posmix	170	3% cc 2% gel
Production	7 7/8"	4.5	10.5	3865	60-40 posmix	110	10% salt 2% gel
Alt #2			stage collar	2032	65-35 6% gel	525	

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	3776-3780	250 Gal. MCA Acid	3776-80
		1500 Gal. NE Acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
	2 3/8	3827		

Date of First Production 9-20-91	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. 25 Gas Mcf Water Bbls. Gas-Oil Ratio Gravity 37.7

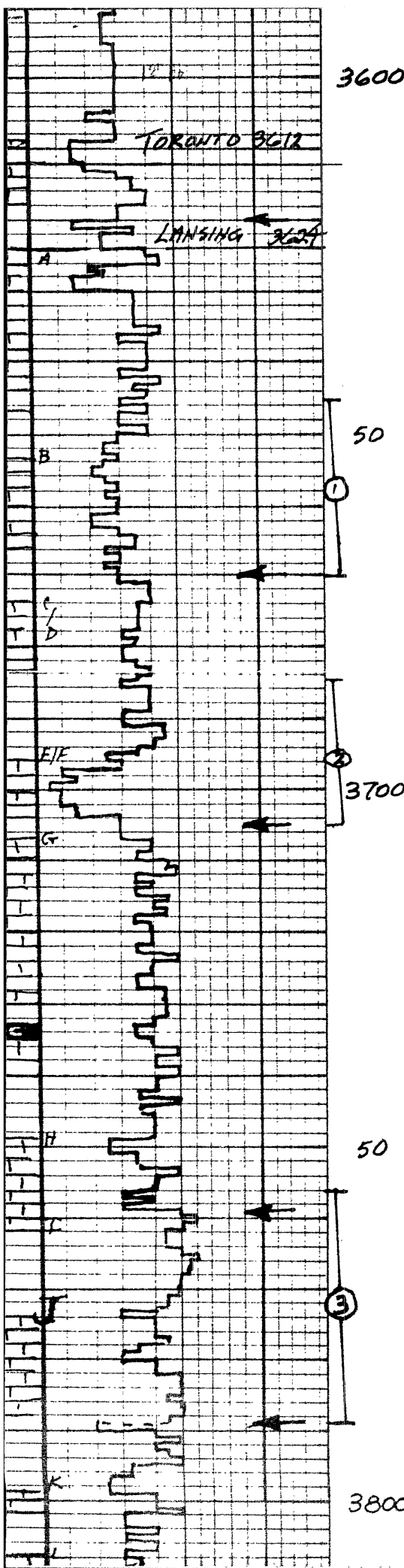
Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____



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ORIGINAL

15-069-22648-00-00
KCC

Ls, wh, fxl, CONFIDENTIAL
chert, wh-orange

OCT 25
CONFIDENTIAL

Ls, wh, fxl, fuly oöl: fr oöl of NSO
wh chert

TRILOBITE TESTING Co.

DST#1 3645-70'
30'-45'-45'-45"
IF: 30 Min weak 1 1/2 inch
FF: No blow
Recovery: 20' MCO
60% oil + 40% Md.
HYD 1873/1797#
SIP 88/77#
FP 44-44/55-55#
BHT 111°F

Ls, wh, fxl, oöl; wh-tu op chert:
sli show free oil in oöl of: Not abund

DST#2 3685-3705
IF: Strong in 18 Mins.
FF: " " 24 "
Recovery: 690' MW
Chlorides: 39,000 ppm RW207
System: 950 ppm
HYD 1960/1881#
SIP 121L/1183#
FP 77-166/244-322#
BHT 110°F

Ls, wh, CRK-fxl, Dty: VAY pr sptd
blk oil stn: NEB: pr o

Ls, wh, very CRK-VS oöl, soft-friable:
Dty: scattered show pin pts. FC, infriable
Crys: Not abund. sli: No odor

Ls, wh, fxl, CRK: Dty

shale, blk, carb.

Ls, wh, CRK-fxl: Dty: trace
pr. sptd Lt. oil stn: no free oil
pr. o

DST#3 3756-89'
30'-45'-45'-90"
IF: Weak building to 3 1/2 inch
FF: " " " 1 1/2 "
HYD 1993 1939#
SIP 255/255#
FP 66-77/88-100#
BHT 113°F
Recovery: 113' MCGO
5% Gas - 50% oil - 45% Md

Ls, wh, fxl, CRK: scattered fuly disseminated
pinpts free oil: pr o: faint odor

Ls, wh, CRK-fxl: sli f sli f: sptd blk
oil stn: NEB, No odor } pr o

3600

50

3700

50

3800



P.O. Box 4442
Houston, Texas 77219

COPY

CEMENTING LOG

15-065-22648-00-00

RELEASED

KCO
STAGE NO.

NOV 9 1992

OCT 25

11-9-92

Date 9-18-91 District OKLAHOMA Ticket No. 609954
 Company Greene Oil Co Rig Mud Unit
 Lease County 44 Well No. _____
 County G. Adams State KS
 Location 1 1/2 S - E 8 Field _____

CEMENT DATA:
 Spacer Type: FROM CONFIDENTIAL **CONFIDENTIAL**
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 2" Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type 65/35 67 gals
 Excess _____
 Amt. 525 Sks Yield 1.84 ft³/sk Density 12.7 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead 9.9 gals/sk Tail _____ gals/sk Total 124 Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used BSU 2751-6454
 Bulk Equip. BSU 2037
BSU 2752-6455

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Float Equip. Manufacturer _____
 Shoe. Type _____ Depth _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.80
 Open Holes: Bbls/Lin. ft. .00387 Lin. ft./Bbl. 258.6
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0105 Lin. ft./Bbl. 95.51
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Centralizers: Quantity _____ Plugs Top _____ Btrn. _____
 Stage Collars _____
 Special Equip. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Disp. Fluid Type water Amt. _____ Bbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE _____

CEMENTER Ron M Cullick

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
<u>7:30</u>						<u>arr loc build project safety in set up equip.</u>
<u>8:35</u>						<u>mix + pump 2 sks sand</u>
<u>9:00</u>						<u>wait 20 min</u>
<u>9:00</u>						<u>Try to open Tool - failed</u>
<u>11:35</u>					<u>3-4</u>	<u>mix cement</u>
<u>12:05</u>						<u>displace cement</u>
<u>12:10</u>						<u>run 4 Jts wash cement out short way</u>
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STATE CORPORATION COMMISSION
Wichita, Kansas

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Wichita, Kansas



P.O. Box 4442
Houston, Texas 77210

COPY

CEMENTING LOG

FROM CONFIDENTIAL
CEMENT DATA:

NOV 9 1992 15-065-22648-00-00

OCT 25
STAGE NO.

CONFIDENTIAL

Date 9-10-91 District HA-15 Ticket No. 427792
 Company Gregg Oil, Inc. Rig 400R #4
 Lease Fountain Well No. 4
 County Graham State KW
 Location _____ Field _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type _____ Weight _____ Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 7 1/2 T.D. 3870 ft P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.62 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations. From _____ ft. to _____ ft. Amt. _____

Spacer Type: 250 Gal mud sweep - 10H salt flt
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PF _____

LEAD: Pump Time _____ hrs. Type _____
64/40 109. Salt 37.62 Excess _____
 Amt. 125 Sks Yield 1.30 ft³/sk Density 13.7 PF _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PF _____
 WATER: Lead 6.10 gals/sk Tail _____ gals/sk Total 15 Bb _____

Pump Trucks Used 46029 - Deen
 Bulk Equip. 2030 - CARL

Float Equip: Manufacturer BAKER
 Shoe: Type Cement nose Depth _____
 Float: Type A-FU Depth _____
 Centralizers: Quantity 5 Plugs Top _____ Btm. _____
 Stage Collars 2 B.N. Set 1
 Special Equip. _____
 Disp. Fluid Type water Amt. 61 Bbls. Weight 837 PF _____
 Mud Type _____ Weight _____ PF _____

COMPANY REPRESENTATIVE Wilbur Burgess

CEMENTER Bill R. Latham

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Pipe Set at 3861
						Shoe set at 3840
			10			Pumps and mix 10 bbls salt fluid
			5			follow w/ 250 gal mud sweep
			18			follow w/ 120 bbls 6 1/4% sol
						3% Gel 10% salt
			61			Pumps plug w/ 61 bbls water
						Land plug at 1100 PSI
						Float did hold
						15 sks in feather
						plug down 8:30 AM

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 CONSERVATION DIVISION
 Wichita, KS