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ORIGINAL
SIDE ONE

3-5-92
CONFIDENTIAL
RECEIVED
MAR 05 1992

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

API NO. 15- 147-20,526 -00-00

County Phillips FROM CONFIDENTIAL

50' NE SE NE SE Sec. 32 Twp. 5 Rge. 20W X East West

2970 Ft. North from Southeast Corner of Section

330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

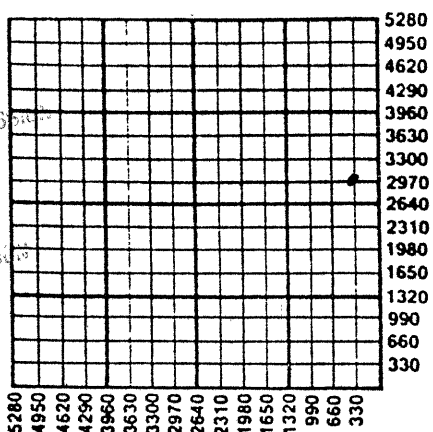
Lease Name Ray "A" Well # #5

Field Name Ray

Producing Formation Regan sand

Elevation: Ground 2158 KB 2163

Total Depth 3645 PBDT 3631



Amount of Surface Pipe Set and Cemented at 208 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1694 Feet

If Alternate II completion, cement circulated from 1694

feet depth to surface w/ 325 sx cmt.

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FEB 13 1991

OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

2-13-91

2-13-91

Operator: License # 5058

Name: Griggs Oil, Inc.

Address 107 N. Market, #800

City/State/Zip Wichita, KS 67202

Purchaser: Citgo

Operator Contact Person: Jack Griggs

Phone (316) 267-7779

Contractor: Name: Red Tiger Drilling

License: 5302

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion
X New Well Re-Entry Workover

X Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:
X Mud Rotary Air Rotary Cable

11-02-90 11-08-90 11-09-90
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 Prod Supt Date 2-12-91

Subscribed and sworn to before me this 12 day of February, 1991.

Notary Public Virginia Lee Smith

Date Commission Expires
VIRGINIA LEE SMITH
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 12/92

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)

CONFIDENTIAL

SIDE TWO

Operator Name Griggs Oil, Inc. Lease Name Ray "A" Well # 5
 Sec. 32 Twp. 5 Rge. 20W East West
 County Phillips

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3272</td> <td>1109</td> </tr> <tr> <td>Toronto</td> <td>3296</td> <td>1133</td> </tr> <tr> <td>Lansing</td> <td>3314</td> <td>1151</td> </tr> <tr> <td>Base KC</td> <td>3509</td> <td>1346</td> </tr> <tr> <td>Regan</td> <td>3557</td> <td>1394</td> </tr> <tr> <td>Granite W</td> <td>3596</td> <td>1434</td> </tr> <tr> <td>TD</td> <td>3645</td> <td>1482</td> </tr> </tbody> </table>	Name	Top	Bottom	Heebner	3272	1109	Toronto	3296	1133	Lansing	3314	1151	Base KC	3509	1346	Regan	3557	1394	Granite W	3596	1434	TD	3645	1482
Name	Top		Bottom																							
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Base KC	3509	1346																								
Regan	3557	1394																								
Granite W	3596	1434																								
TD	3645	1482																								
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 (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																									

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		211'	60-40poz	140	3%cc 2%gel
Production	7 7/8	5 1/2	15.5	1694	60-40poz H/C standard	125 275	3%cc 2%gel 1/4 # Floccul
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				1694 Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
4 shots	3558 1/2	3559.4					
TUBING RECORD Size <u>2 7/8"</u> Set At <u>3620</u> Packer At _____				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production 12/1/90	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 26 Bbls.	Gas _____ Mcf	Water 169 Bbls.	Gas-Oil Ratio _____	Gravity _____		

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 _____

JOB LOG ORIGINAL

WELL NO. #5 LEASE Ray A. TICKET NO. 904410-1
 CUSTOMER Griggs OIL Inc. PAGE NO. #1 of 1
 JOB TYPE 5 1/2" Prod C-g. DATE 11-9-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		FROM/DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							Called out - Job ready to 0600 hrs
	0520							On loc. Rig circulating
	0630							Rig start tying down DP
	0911							Drilled down - laydown Kelly - rig up to Rig 02
	1102							Start 5 1/2" Cg - Run float Equip - Rig Guide
								Shoe - Insert w/ Auto - Fill - Hillburkwood
								Certs on 1" 3" 5" 7" 47" 49" Galles Ltd.
								Baskets on 48" 49" etc - 50 Cementer O/N
								Top of Joint 49'
	1307							Cg @ 3645' - Hook up to Circ - up in derrick
	1315							Rig start circulating - mix 500 Super flush
	1404							Hook up to Pump truck
	1407	6.0	18.0			250		Start 1800lb Salt flush
	1410	5.0	3.0			200		Start 3 bbl Fresh water
	1411	5.0	12.0			200		Start 500 gal Super flush
	1416	5.0	3.0			200		Start 3 bbl Fresh water
	1417	5.5	28.9			175		Start mixing 1255.60140 182 28 C/L 108 salt
		5.0						758 CFR-2 & .25 D-Air
	1423	5.0				100		Finish mixing Cement
								Release 5 w top plug while washing out dump lines
	1426	3.0	87.0			100		Start disp. C-1 3 bbl w/ 5' (containing Sugar)
	1436	7.0				300		65 bbl pumped - Press. Increasing
	1438	7.0				500		1700 Press @ 500' - Slow Rate to 300pm
	1439	3.0				350		350 B.E @ 300pm
	1441					1000		Plug down - Full Circ Press - 500' @ 300pm
	1444					0		Release Press. - Insert Held
	1445							Job Completed

Thank you
 Eldon - Jerry A. & Jerry T.

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FEB 13 1991

REGISTRATION DIVISION
 Wichita, Kansas

HALLIBURTON SERVICES
JOB LOG

WELL NO. A-5 LEASE Ray RELEASED
 CUSTOMER Griggs Oil Inc. TICKET NO. 904465
 JOB TYPE Cement F.O. PAGE NO. 1
 MAR 05 1992 DATE 11-19-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		FROM CONFIDENTIAL	DESCRIPTION OF OPERATION AND MATERIALS
				T	S	TUBING	CASING		
1-19-90	0500								ORIGINAL
	0830								called out ready 0900 on loc. make up tools - set Equip unload tubing set up rig
	0930								st. 5 1/2 F.O. Fingers on 2 1/2" tubing
	10:40								Press Test CSG, 500#
	11:10								OPEN F.O. - wouldn't open Pull Tubing - Fingers - order another Set from NAYS
	11:50								Tubing out
	12:50								START IN w/ NAYS Fingers
	13:20								PRESS. CSG TRY OPEN F.O. -
	14:35								START out - Tubing - Fingers REWORK - Fingers
	15:30								START BACK w/ Fingers
	16:15								PRESS CSG 500# OPEN F.O. 12,000#
	16:18		3						START CIRC good BLOW
	16:25								START mix 275 SK HLC 4" Hole 50 SK STD
		4							6 BBL Pumped good RETURNS 90 BBL Pumped out RETURNS Fill RAT Hole
	16:48		110						FINISH mix cement
	16:49								START displ
	16:51		7						FINISH displ
	16:53								Close F.O. and Press. Test CSG
	16:58								F.O. 950# OK
	17:05		20						REV. out
	17:15								FINISH REV. out - START Pull Tubing
	18:00								Tubing F.O. Fingers out.
									THANKS HAROLD - MIKE KENT - JERRY CIRC 15 BBL out.

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 FEB 13 1991
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER

ORIGINAL

DRILL-STEM TEST DATA

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Well Name	Ray "A"	Test No.	1
Well Number	5	Zone Tested	Sand
Company	Griggs Oil, Inc.	Date	10-8-90
Comp. Rep.	A. Ratzlaff	Tester	Don Fabricius
Contractor	Red Tiger Drilling	Ticket No.	2869
Location	3-5-20	Elevation	

MAR 05 1992

FROM CONFIDENTIAL

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12
 Depth 3557 Depth 3561
 Initial Hydro Mud Press. 1866 Initial Hydro Mud Press. _____
 Initial Shut-in Press. 872 Initial Shut-in Press. _____
 Initial Flow Press. 176-471 Initial Flow Press. clock stopped
 Final Flow Press. 542-695 Final Flow Press. _____
 Final Shut-in Press. 872 Final Shut-in Press. _____
 Final Hydro Mud Press. 1866 Final Hydro Mud Press. _____
 Temperature _____ Tool Open Before I. S. I. 30 Mins.
 Mud Weight 9.4 Viscosity 52 Initial Shut-in 45 Mins.
 Fluid Loss 10 Flow Period 30 Mins.
 Interval Tested 3554-65 Final Shut-in 45 Mins.
 Top Packer Depth 3549 Surface Choke Size 1"
 Bottom Packer Depth 3554 Bottom Choke Size 3/4"
 Total Depth 3565 Main Hole Size 7 7/8
 Drill Pipe Size 4 1/2 X H Wt. 16.60 Rubber Size 6 3/4
 Drill Collar I. D. _____ Ft. Run _____

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Recovery—Total Feet _____
 Recovered 240 Feet Of gas in pipe
 Recovered 80 Feet Of slightly gassy oil
 Recovered 1420 Feet Of slightly gas cut water
 Recovered _____ Feet Of _____

FEB 13 1991

CONSERVATION DIVISION
 Wichita, Kansas

Remarks
Strong blow thru-test

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.
 It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

By _____