

ORIGINAL

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

API NO. 15- 065-22,642 ~~00-00~~
County: Graham
NE SE NW Sec. 34 Twp. 9 Rge. 24 East West
3630 Ft. North from Southeast Corner of Section
2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Operator: License # 5058
Name: Griggs Oil, Inc.
Address 107 N. Market, Suite 800

City/State/Zip Wichita, KS 67202
Purchaser: _____

Operator Contact Person: Jim Collins
Phone (316) 267-7779

Contractor: Name: Duke Drilling Co., Inc.
License: 5929

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: _____

Well Name: _____

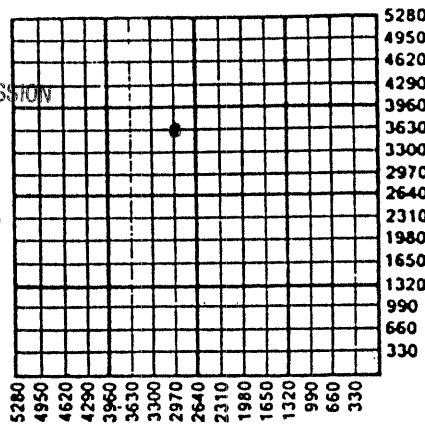
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

07-23-91 08-01-91 8-13-91
Spud Date Date Reached TD Completion Date

Lease Name Kurtz Well # 1
Field Name _____
Producing Formation KC
Elevation: Ground 2537 KB 2526
Total Depth 4146 PBD 4100

RECEIVED
STATE CORPORATION COMMISSION
AUG 22 1991
08-22-1991
WICHITA, KANSAS



5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330
N
A/T/D
PFA 9-3-91

Amount of Surface Pipe Set and Cemented at 217 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2194 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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 Wilbert D Berg
Title Prod Supt Date 8/21/91
Subscribed and sworn to before me this 21 day of August, 19 91.
Notary Public Virginia Lee Smith
Date Commission Expires August 25, 1992

VIRGINIA LEE SMITH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8/25/92

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)

SIDE TWO

Operator Name Griggs Oil, Inc.

Lease Name Kurtz

Well # 1

Sec. 34 Twp. 9 Rge. 24 East West

County Graham

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
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)

Dst #3 & 4 were misruns

Name	Formation Description	
	Top	Bottom
Antly	2166 + 360	
Base		2201 + 325
Heebner	3825-1299	
Toronto	3848-1322	
Lansing	3861-1335	
Base KS		4082-1556

CASING RECORD

New Used TO 4146-1620

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"	28#	217'	60/40poz	130	2% gel 3% cc.
Production	7-7/8"	4 1/2"	10.5#	4133'	60/40poz	125	10% salt 2% gel

PERFORATION RECORD

Shots Per Foot | Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth

2	4056-4062	250 Gel MCA	4056-62

TUBING RECORD

Size Set At Packer At
Pull pipe & plug

Liner Run Yes No

Date of First Production | Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours | Oil Bbls. Gas Mcf Water 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

15-065-22642-00-00

ORIGINAL

CROWN TESTING CO.
224 E. DOUGLAS, SUITE 530
WICHITA, KS 67202

RECEIVED
STATE CORPORATION COMMISSION

AUG 22 1991

DRILL-STEM TEST DATA

CONSERVATION DIVISION
WICHITA, KANSAS

Well Name	Kurtz	Test No.	1
Well Number	1	Zone Tested	Lansing
Company	Griggs Oil, Inc.	Date	7-27-91
Comp. Rep.	Roger Welty	Tester	Greg Saffa
Contractor	Duke Drilling Rig 4	Ticket No.	12893
Location	34 9S 24W Graham County	Elevation	2524 KB

Recorder No. 13810 Clock Range 12 hr. Blow _____

Depth 3880 Initial Flow Very strong decreasing by end of 30 min.

Initial Hydro Mud Press. 1893

Initial Flow Press. 89-223

Initial Shut-in Press. 670 Final Flow No blow

Final Flow Press. 223-223

Final Shut-in Press. 625

Final Hydro Mud Press. 1847

Temperature 111° Initial Flow _____ Mins. _____

Mud Weight 9.0 Viscosity 40 Initial Shut-in _____ Mins. _____

Fluid Loss 9.2 Final Flow _____ Mins. _____

Interval Tested 3854-3880 26 ft. anchor Final Shut-in _____ Mins. _____

Top Packer Depth 3849 Surface Choke Size 1/2

Bottom Packer Depth 3854 Bottom Choke Size 1/2

Total Depth 3880 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 X H Wt. _____ Rubber Size 6 5/8

Drill Collar I.D. _____ Ft. Run _____

Recovery—Total Feet 360

Recovered 360 Feet Of Muddy water no show of oil 47,000 ppm

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Remarks _____

CROWN TESTING COMPANY shall not be liable for damage 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, or its statement or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for by the party for whom the test is made.

By Roger Welty
Owner, Operator or his Agent



15-065-22642-00-00

CROWN TESTING CO.
224 E. DOUGLAS, SUITE 530
WICHITA, KS 67202

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION

AUG 22 1991

CONSERVATION DIVISION
Wichita, Kansas

DRILL-STEM TEST DATA

Well Name	Kurtz	Test No.	2
Well Number	1	Zone Tested	Lansing
Company	Griggs Oil, Inc.	Date	7-28-91
Comp. Rep.	Roger Welty	Tester	Greg Saffa
Contractor	Duke Drilling Rig 4	Ticket No.	12894
Location	34 9S 24W Graham County	Elevation	2524 KB

Recorder No. 13810 Clock Range 12 hr Blow _____

Depth 4010 Initial Flow Fair blow 2½" in bucket in 30 min.

Initial Hydro Mud Press. 2031

Initial Flow Press. 89-178

Initial Shut-in Press. 178 Final Flow Fair blow 2" in bucket in 60 min.

Final Flow Press. 178-267

Final Shut-in Press. 267

Final Hydro Mud Press. 1985

Temperature 120° Initial Flow 30 Mins.

Mud Weight 9.2 Viscosity 44 Initial Shut-in 45 Mins.

Fluid Loss 8.6 Final Flow 60 Mins.

Interval Tested 3974-4010 36 ft. anchor Final Shut-in 60 Mins.

Top Packer Depth 3969 Surface Choke Size ½

Bottom Packer Depth 3974 Bottom Choke Size ½

Total Depth 4010 Main Hole Size 7 7/8

Drill Pipe Size 4½ X H Wt. _____ Rubber Size 6 5/8

Drill Collar I.D. _____ Ft. Run _____

Recovery—Total Feet _____

Recovered 560 Feet Of water 61,000 ppm

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Remarks _____

CROWN TESTING COMPANY shall not be liable for damage 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, or its statement or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for by the party for whom the test is made.

By Roger Welty
Owner, Operator or his Agent



15-065-22642-00-00

CHENEY TESTING COMPANY, INC.
P. O. Box 367 HILL CITY, KANSAS 67642

ORIGINAL

RECEIVED
CONSERVATION COMMISSION

AUG 22 1991

DRILL-STEM TEST DATA

CONSERVATION DIVISION
Wichita Kansas

Company	Griggs Oil Inc.	Test No.	5
Well Name & Number	Kurts #1	Zone Tested	Kansas City
Company Address	107 N. Market Suite 800, Wichita, Kan.	Date	7-30-91
Company Rep.	Roger Welty	Tester	Huck Smith
Contractor	Duke Drlg. Co. #4	Elevation	2526 K.B.
Location: Sec. 34 Twp. 9S Rge. 24W CoGraham State Kan.	Est. Feet of Pay		

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4047 Clock # 22345
 (A) Initial Hydrostatic Mud 2046 PSI
 (B) First Initial Flow Pressure 259 PSI
 (C) First Final Flow Pressure 586 PSI
 (D) Initial Shut-in Pressure 1028 PSI
 (E) Second Initial Flow Pressure 701 PSI
 (F) Second Final Flow Pressure 807 PSI
 (G) Final Shut-in Pressure 1009 PSI
 (H) Final Hydrostatic Mud 1988 PSI
 Temperature 111°
 Mud Weight 9.1 Viscosity 45
 Fluid Loss 8.2 c.c.
 Interval Tested 4023-4055
 Anchor Length 32'
 Top Packer Depth 4018
 Bottom Packer Depth 4023
 Total Depth 4055
 Drill Pipe Size 4½ EX.H.
 Wt. Pipe I. D. Collars 2.25 Ft. Run 281
 Recovery-Total Feet 1680

Recorder No. 13770 Type AK-1 Range 4200 PSI
 Recorder Depth 4050 Clock # 25559
 Tool Open Before I.S.I. 30 Mins.
 Initial Shut-in 30 Mins.
 Flow Period 30 Mins.
 Final Shut-in 30 Mins.
 Top Choke Size 1" Hole Size 7 7/8"
 Bottom Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 10:55 A.M.
 Blow Remarks Strong blow through-out test.

Recovered 1680 Feet Of Saltwater with show of oil Chlorides; 50,000 P.P.M.
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Extra Equipment Cir. Sub Price of Job _____

15-065-22642-00-00

CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

RECEIVED ORIGINAL STATE GEOLOGICAL COMMISSION

AUG 22 1991

DRILL-STEM TEST DATA

CONSERVATION DIVISION
Wichita, Kansas

Company	Griggs Oil Inc.	Test No.	6
Well Name & Number	Kurts #1	Zone Tested	Kansas City
Company Address	107 N. Market #800, Wichita, Kan.	Date	7-30-91
Company Rep.	Roger Welty	Tester	Huck Smith
Contractor	Duke Drlg. Co. #4	Elevation	2526 K.B.
Location: Sec. 34 Twp. 9S Rge. 24W CoGraham State Kan.	Est. Feet of Pay		

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4062 Clock # 22345
 (A) Initial Hydrostatic Mud 2046 PSI
 (B) First Initial Flow Pressure 48 PSI
 (C) First Final Flow Pressure 48 PSI
 (D) Initial Shut-in Pressure 1076 PSI
 (E) Second Initial Flow Pressure 67 PSI
 (F) Second Final Flow Pressure 76 PSI
 (G) Final Shut-in Pressure 1066 PSI
 (H) Final Hydrostatic Mud 1988 PSI
 Temperature 112°
 Mud Weight 9.3 Viscosity 49
 Fluid Loss 9.2 c.c.
 Interval Tested 4045-4070
 Anchor Length 25'
 Top Packer Depth 4040
 Bottom Packer Depth 4045
 Total Depth 4070
 Drill Pipe Size 4½ EX.H.
 Wt. Pipe l. D. Collars 2.25 Ft. Run 281

Recorder No. 13770 Type AK-1 Range 4200 PSI
 Recorder Depth 4065 Clock # 25559
 Tool Open Before I.S.I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 60 Mins.
 Final Shut-in 60 Mins.
 Top Choke Size 1" Hole Size 7 7/8"
 Bottom Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 11:35 P.M.
 Blow Remarks 1st open; Weak blow building to 6"
2nd open; Bottom of the bucket in. 50 min.

Recovery-Total Feet 125
 Recovered 125 Feet Of Muddy Oil
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job _____



P.O. Box 4442
Houston, Texas 77210

15-065-22642-00-00

CEMENTING LOG ORIGINAL

STAGE NO.

Date 7-23-91 District HAYS Ticket No. 627767
 Company GR 1963 S. Tenn Rig DUKE
 Lease ROBERTS #1 Well No. 1
 County OSKAGE State KN
 Location 10570 Hill City Field _____

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

CASING DATA: PTA Squeeze
 Surface 8 1/2 Intermediate Production Liner
 Size _____ Type UCS Weight 24 Collar _____

LEAD: Pump Time 6 1/2 hrs. Type U
 Amt. 130 Sks Yield 126 ft³/sk Density 15 PPG

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size 2 1/2 Weight 217 Collars 202
 Open Hole: Size 2 1/2 T.D. _____ ft. P.B. to _____ ft.

Pump Trucks Used 416024 - Deere
 Bulk Equip. D35 - CAT

CAPACITY FACTORS:
 Casing: _____ Bbls/Lin. ft. 0.637 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. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Jay Schneider

CEMENTER Ken R. Jekan

RECEIVED
 STATE COMMISSION
 AUG 22 1991
 CONSERVATION DIVISION
 WICHITA, KANSAS

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls/Min	
						Run 5 hrs 35 surface pipe
						pipe set at 212'
						cement of 130 lbs 6 1/4 pop
						3 1/2 cc 2 1/2 gal
						pump plug w/ 12.3 bbls water
						& cement of lid circulate
						Job complete at 11:00 P.M.



P.O. Box 4442
Houston, Texas 77210

15-065-22642-00-00
CEMENT ORIGINAL

STAGE NO.

Date 8-01-91 District HAYS Ticket No. 627772
Company GRIGG O.I Rig Duke
Lease KURTZ Well No. _____
County GRANT State KS
Location _____
14N7W WUKAWA 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 3/8 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS

Casing. Bbls/Lin. ft. 0.162 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. _____

CEMENT DATA

Spacer Type: 5 bbls salt - 250 gal m.s.
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
6/40 2% gel Excess _____

Amt. 125 Sks Yield 1.26 ft³/sk Density 14.5 PPG

TAIL: Pump Time 5 min hrs. Type _____
Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead 5.61 gals/sk Tail _____ gals/sk Total 17 Bbls

Pump Trucks Used _____

Bulk Equip. _____

Float Equip: Manufacturer BAKER

Shoe Type CEMENT NOSE Depth _____

Float Type AFU Depth _____

Centralizers: Quantity 5 Plugs Top _____ Btm. _____

Stage Collars 1

Special Equip. PORT COLLAR

Disp. Fluid Type water Amt. _____ Bbls. Weight 5.34 PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Bill R. DeKam

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						pipe set at 4/31
						Start at 4/04
			5			<p style="text-align: center;">RECEIVED STATE CORPORATION COMMISSION AUG 22 1991 CONSERVATION DIVISION Wichita Kansas</p>
			5			
			17			
			66 3/4			pump plug w/ 66 3/4 bbls of water
			1100			Land plug at 1100 PSI
						of lost drill hole
						pump 10 SKS IN Rat hole
						PORT Collar at 2182