



# W J C, Inc.



(806) 495-2896

W. J. Collier, P.E.

May 26, 1994

W. J. Collier, P.E.  
May 26, 1994  
(915) 685-4171

Benjamin E. Stone  
Energy, Minerals and Natural  
Resources Department  
Oil Conservation Division  
State Land Office Building  
P. O. Box 2088  
Santa Fe, NM 87504

RE: J. G. Cox (SWD) #1-6, Sec 13, T17S, R38E  
Case No. 10613 - Well in Compliance Order No. R-9802  
of O.C.D. Regulations, Item #5

Mr. Stone:

Please find enclosed (1) Cement Bond Log on the V. F. Cox #1, Sec. 13, T17S, R38E, Lea County, New Mexico.

As per our phone conversation of May 26, 1994, the remedial work completed Item #5, Order No. R-9802, Case No. 10613. This places WJC, Inc. in full accordance of the Oil Conservation Division regulations.

Current Status: J. G. Cox #1-C SWD  
5-26-94 Disposing of 850 BBLs/Day @ Vacuum to 130 psi  
(the 130 psi being friction pressure).

History of Remedial Work:

- 4-20-94 Drilled cement retainer @4808' and 25 sks cement, plug @6780'.
- 4-24-94 Circulated hole clean to 8300'.
- 4-26-94 Set 9-5/8 Baker Packer (A-3-51A4) on 2-7/8 Duoline tbg. @4629'.
- 5-17-94 Acidized well bore w/10,000 Gals. 20% NeFe.
- 5-17-94 Placed well into operation. Pump pressure - vacuum to 130 psi (130# is friction pressure).
- 5-24-94 Tested casing to 490 psi - 30 min. - Held.  
O.C.D. Field Representative, Mr. Charlie Perrin, witnessed test

Thank you for your cooperation.

Sincerely,

WJC, INC.

*Donald R. Rogers*  
Donald R. Rogers  
Production Manager

DRR/gs  
cc: Well File  
P. O. Box 7  
Post, Texas 79356

**IT IS THEREFORE ORDERED THAT:**

(1) The applicant, WJC Inc., is hereby authorized to dispose of produced salt water into the San Andres and Bone Spring formations through the open hole interval from approximately 5,000 feet to 8,360 feet in its J. G. Cox Well No. 1 located 660 feet from the North line and 1980 feet from the West line (Unit C) of Section 13, Township 17 South, Range 38 East, NMPM, Lea County, New Mexico.

**PROVIDED HOWEVER THAT** prior to commencing injection operations into the subject well, the applicant shall demonstrate to the supervisor of the Division's Hobbs District Office that the F & M Oil and Gas Company W. F. Cone Well No. 2 located in Unit O of Section 12, and the A.E.N. Energy Inc. V. F. Cox Well No. 1 located in Unit F of Section 13, both in Township 17 South, Range 38 East, NMPM, are cased and cemented in such a manner so as to confine the injected fluid to the proposed injection interval.

**PROVIDED FURTHER THAT** upon a determination by the supervisor of the Division's Hobbs District Office that such wells are not adequately cemented, the applicant, prior to commencing injection operations, shall perform remedial cement operations in a manner prescribed by the Division.

(2) Injection shall be accomplished through 2 7/8-inch plastic-lined tubing installed in a packer set at approximately 4,900 feet; the casing-tubing annulus shall be filled with an inert fluid and a pressure gauge or approved leak detection device shall be attached to the annulus in order to determine leakage in the casing, tubing or packer.

(3) Prior to commencing injection operations, the casing in the subject well shall be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(4) The injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the surface pressure on the injection well to no more than 1,000 psi.

(5) The Director of the Division shall be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected fluid from the San Andres and Bone Spring formations.

(6) The operator shall notify the supervisor of the Hobbs District Office of the Division of the date and time of the installation of disposal equipment, the conductance of the mechanical integrity pressure test, and the conductance of remedial cement operations in order that the same may be witnessed.

8969



**BLACK WARRIOR  
WIRELINE CORP.**

P.O. Drawer 9138  
Columbus, MS 39205-9138

**CEMENT BOND**

**GAMMA RAY**

**VARIABLE DENSITY LOG**

COMPANY W. J. C. INC.

WELL V. F. COX #1

FIELD N/A

COUNTY LEA

STATEN. M.

LOCATION  
N/A

Other Services

1000  
900  
800  
700  
600  
500  
400  
300  
200  
100  
0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000

Permanent datum	0.1	110' NPH	110' F E NPH
Log measured from	F B DR 15'	Above Perm Datum	D E NPH
Drilling measured from	K B		G L NPH

Date	10-19-75	Type Fluid in Hole	Water + Oil
Job Tkt / Run No	- / ONE	Dens / Visc	NPH / NPH
Depth Driller	12183'	1st Cement Top	1223'
Depth Logger	N/A	Gas Rec Temp	
RTM Log Interval	6000'	Equip / Location	5616 / DDBRY NPH
Log Log Interval	4500'	Recorded By	ROGER HIGAN
Open Hole Size	2 2/8"	Witnessed By	MR DON RICE

CASING Pcs	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prod. String						
Prod. String	5 1/2"	15.5#			12183'	1223'
Lines						

PRIMARY CEMENTING DATA

DATE	Surface	Production	Fracturing	Other
Job of Cement				
Type of Cement				
Amount				
Retained by ?				
Retained by ?				
Wt. of Slurry				
Water used				
Drill mud type				
Drilling mud wt				