

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

May 12, 1978

Mr. Terry J. Cox
Energy Reserves Group, Inc.
Casper, Wyoming 82601

Dear Mr. Cox:

This is with reference to your letter of April 25, 1978, wherein you request an injection pressure increase from 665 to 900 pounds per square inch on your Gallegos Canyon Unit No. 259, injection into which was authorized by Administrative Order No. SWD-195.

Since the instantaneous shutdown pressure on acid treatment was 1000 pounds per square inch and since this is a reflection of the formation fracture pressure, you are authorized to increase the injection pressure to 900 pounds per square inch.

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

OIL CONSERVATION COMMISSION

P. O. BOX 5089
SANTA FE, NEW MEXICO 87501

May 11, 1973

Mr. Larry L. Cox
Larry Coxworth Group, Inc.
Casper, Wyoming 82601

Dear Mr. Cox:

This is with reference to your letter of April 25, 1973, wherein you request an injection pressure increase from 600 to 900 pounds per square inch on your Calles Canyon Unit No. 259, injection into which was authorized by Administrative Order No. 259-195.

Since the instantaneous shutdown pressure on said treatment was 1000 pounds per square inch and since this is a reflection of the formation fracture pressure, you are authorized to increase the injection pressure to 900 pounds per square inch.

Yours very truly,

JOE D. LARLEY
Director

JDL:EL

Energy Reserves Group, Inc.
P.O. Box 3280
Casper, Wyoming 82601
Phone 307 265 7331



April 25, 1978

State of New Mexico
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

File
also letter to Mr. Cox

Re: Administrative Order No. SWD-195

Gentlemen:

On December 2, 1977, Energy Reserves Group, Inc., was granted permission to dispose of produced water into the Mesaverde Formation in the wellbore of the Gallegos Canyon Unit No. 259 by Administrative Order No. SWD-195.

A maximum injection pressure of 665 pounds per square inch was set by the Commission with the provision that this pressure limitation could be increased administratively upon the operator's establishing that such higher pressure will not result in fracturing of the confined strata.

Upon completion of the well, it was determined that the surface pressure required to fracture the formation is 1,000 pounds per square inch. This was determined by the instantaneous shut down pressure after breaking down the formation. Attached for your reference is a copy of the treatment report.

Energy Reserves Group requests that the maximum pressure limitation be increased to 900 pounds per square inch to more accurately reflect a pressure that will not fracture the formation.

Very truly yours,

ENERGY RESERVES GROUP, INC.

Terry J. Cox
Terry J. Cox
Production Engineer
Rocky Mountain District

TJC/dp

enc.

Date: 4-1-75, Agency: District Birmingham 31, File # 182949
 Operator: F. C. Jones, Group: A 2041
 Time: 11:00 AM, Day: 1, Month: 4, Year: 1975
 Field: Belmont, Miss. Order: Boston, Mass. 128, 128
 County: St. Louis, State: New Mexico
 Race Number: 1, This Zone: 1, This Work: 1

WELL DATA:		OG NG ☐ NO ☐ DO ☐ WD ☐ IW ☐ Misc ☐ Depth 116.18 3330 Formation Mesa Verde Size Tubing 2 3/8 Tubing Port _____ Type Packer Retrievable bridge plug Set At 3300 Liner Set From _____ To 10.5 Set From 0 To 3380 Size Liner _____ WI _____ Casing Perforations Size N/A Holes Per Foot 4 Intervals 3320-3350 Previous Treatment None Prior Production None
TREATMENT DATA:		Pad Used: Yes ☐ No ☒ Pad Type _____ Treating Fluid Type: Oil ☐ Water ☐ Acid ☒ Misc ☐ Foam ☐ Emulsion ☐ Treating Fluid Volume Gals 1008 Fluid Description 15% acid Total Prop Quantity _____ Lbs. Prop Type: Sand ☐ Beads ☐ Special ☐ None ☒ Prop Mesh Sizes, Types and Quantities _____ Hole Loaded With Fresh water Treat Via: Tubing ☒ Casing ☐ Annul ☐ Tubing & Annul ☐ Ball Sealers: _____ In _____ Stages of _____ Types and Number of Pumps Used 1 Acid Master Auxiliary Materials _____
Procedure Load tubing with 15% acid then set packer and pump fluid into formation at different rates.		FLUID PUMPED AND CAPACITIES IN BBLs. Tubing Cap. 12.7 Casing Cap. 53.7 Annular Cap. 34.6 Open Hole Cap. _____ Fluid to Load 37.3 Pad Volume _____ Treating Fluid 24 Flush 81 Overflush _____ Total to Recover 105

[illegible]

Treating Pressure: Min. 450	Max. 2500	Avg. 2000	Customer Representative: T. B. Durham
Inj. Rate on Treating Fluid 3	Rate on Flush 3		Western Representative: Jerry Flower
Avg. Inj. Rate 3	I.S.D.P. 1000	Flush Dens. lb/gal. 8.33	Distribution Copies: ENERGY RESERVES GROUP
Final Shut in Pressure 300	in 9	Minutes.	206 Wyoming Building
Operator's Maximum Pressure 3000			Casper, Wyo. 82601

Job Number 504680



