New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Jim Noel Cabinet Secretary

Karen W. Garcia Deputy Cabinet Secretary Mark Fesmire

Division Director
Oil Conservation Division



October 20, 2010

Paul T. Brown Chevron USA 15 Smith Road Midland, TX 79705

Re: Lovington San Andrus Unit Well No. 35 (API No. 30-025-05422)

Unit C, Section 6, T17S, R37E, NMPM, Lea County Permitted San Andres Injection Depths 4570 to 5040 feet Permitted maximum surface pressure 2000 PSI

You have submitted a request on behalf of Chevron for clarification of the allowable packer setting depth on the above mentioned injector well.

Your sundry states the new packer setting depth is 4466 feet while the existing disposal permit states the allowable packer setting depth is "approximately 4470 feet".

Records indicate the top of the San Andres unitized interval is approximately 4334 feet. The packer seat is well within the San Andres unitized interval.

Your new packer seat at **4466** feet is hereby **approved**.

Sincerely,

MÁRK E. FESMIRE, P.E.

Acting Director

cc: Oil Conservation Division - Hobbs

File: API No. 30-025-05422

Wellbore Diagram

Created: Updated: Lease: Field: Surf. Loc.: Bot. Loc.: County: Status:	Lovington 330' FNL Lea	By: PTB By: an Andres Unit San Andres & 3390' FEL St.: NM Injector	Well #: API Unit Ltr.: TSHP/Rng: Unit Ltr.: TSHP/Rng: Directions: Chevno:	35 St. Lse:
Surface Casi Size: Wt., Grd.: Depth: Sxs Cmt: Circulate: TOC: Hole Size:	13" 48# 323' 400 sx Yes Surface 17"			KB:
Intermediate Size: Wt., Grd.: Depth: Sxs Cmt: Circulate: TOC: Hole Size:	Gasing 9-5/8" 36# 2950' 400 sx No 238' calc @ 60% 11-1/4"	effy_		untiged cultival what per witted
Production C Size: Wt., Grd.;	asing 7" 24#	-		" IPC Tubing (137 jts.) of Unitized interval @ 4334'
Depth: Sxs Cmt: Circulate:	4570' 300 sx No 285' calc @ 60% 8-1/4"	effy_		Packer @ 4466'
_		}		Andres Open Hole: - 5040'

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



POST OFFICE BOX 2088

STATE LAND OFFICE BUILDING

SANTA FE, NEW MEXICO 87504 (505) 827-5800

November 20, 1992

BRUCE KING GOVERNOR

ANITA LOCKWOOD

Greenhill Petroleum Corporation Attention: Michael J. Newport 11490 Westheimer Road, Suite 200 Houston, TX 77077-6841

> RE: Injection Pressure Increase on Eight Wells, Lovington Paddock Unit Waterflood Project, Lea County, New Mexico

Dear Mr. Newport:

Reference is made to your request dated November 4, 1992, to increase the surface injection pressure on eight wells in the Lovington Paddock Unit Waterflood Project. This request is based on step rate tests conducted on these wells between August 4 and October 21, 1992. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following wells:

WELL AND LOCATION	MAXIMUM INJECTION SURFACE PRESSURE
LPU Well No. 26 2310' FSL - 2160' FEL Unit J, Section 31, Township 16 South, Range 37 East	2000 PSIG
LPU Well No. 35 810' FSL - 310' FEL Unit P, Section 31, Township 16 South, Range 37 East	2000 PSIG
LPU Well No. 43 660' FSL - 460' FEL Unit P, Section 35, Township 16 South, Range 36 East	2000 PSIG
LPU Well No. 54 1650' FNL - 660' FEL Unit H, Section 6, Township 17 South, Range 37 East	2000 PSIG

WELL AND LOCATION	MAXIMUM INJECTION SURFACE PRESSURE
LPU Well No. 63 1980' FSL - 990' FWL Unit L, Section 1, Township 17 South, Range 36 East	2000 PSIG
LPU Well No. 65 2310' FSL - 2310' FEL Unit J, Section 1, Township 17 South. Range 36 East	2000 PSIG
LPU Well No. 67 2310' FSL - 660' FWL Unit L, Section 6, Township	2000 PSIG
LPU Well No. 69 2173' FSL - 2173' FEL Unit J, Section 6, Township 17 South, Range 37 East	2000 PSIG

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay

Director

WJL/BES/amg

cc: Oil Conservation Division - Hobbs

File: WFX-631

WFX-607 WFX-605



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

BRUCE KING

April 9, 1991

POST DAFICE BIOX 1980 HOSSS, NEW MEXICO 68241-1980 (505) 393-8161

Greenhill Petroleum Corporation 11490 Westheimer, Suite 200 Houston, Texas 77077

Gentlemen:

As per your request, you may begin injection into the Lovington San Andres Unit Well No. 13+H, Section 36. Township 16 South, Range 36 East.

I feel you have had sufficient time since the meeting on January 11, 1991, regarding the Lovington San Andres Unit and the Lovington Paddock Unit expansions to begin the workovers on the problem wells.

We request that you submit your proposals for the procedures necessary to bring the wells into compliance with Division Order R-9431

We request 24 hours notice prior to re-cementing or replugging of the wells in order to witness the operation.

Very truly yours

OIL CONSERVATION DIVISION

Jerry Sexton

Supervisor, District I

JS:bp

cc: Roland Beal, Box 1949, Hobbs, NM 88241-1949

David Catanach

File

