

OIL CONSERVATION DIVISION
RECEIVED

1992 FEB 16 AM 8 53

January 28, 1992

Mr. Michael Stogner
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

RE: Administrative Order No. SWD-455
Sapphire Federal SWD Well No. 1
Lea County, New Mexico

Dear Michael:



Reference is made to our phone conversation whereby I advised you that Mitchell would prefer the salt water disposal well approved under Administrative Order No. SWD-455 be named Sapphire Federal SWD Well No. 1. It is currently set up in your records as Sapphire Federal Well No. 1 and Mitchell already has a Sapphire Federal Well No. 1 producing well on this lease. We are afraid that both wells being set up with the same name will cause confusion on future filings and therefore request this name change.

Thank you in advance for your assistance in this matter and if I can be of any further help, kindly advise.

Very truly yours,

MITCHELL ENERGY CORPORATION

George Mullen
Regulatory Affairs Specialist

GM/lgb
Sapp.gm
enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☐

OTHER

Swd well
Injection well

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Mitchell Energy Corporation

3. ADDRESS OF OPERATOR

P. O. Box 4000, The Woodlands, Texas 77387-4000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1,750' FEL and 1,600' FSL (NW/SE) unit J

At proposed prod. zone

1,750' FEL and 1,600' FSL (NW/SE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles SW of Hobbs, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1,600'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

50'

16. NO. OF ACRES IN LEASE

520 Lse, 960 Unit

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

19. PROPOSED DEPTH

4,820

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, ET, GR, etc.)

3643GR

Capitan Controlled Water Basin

22. APPROX. DATE WORK WILL START*

12-10-91

23.

PROPOSED CASING AND CEMENTING PROGRAM R-111-P Potash

Secretary's Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	500'	300 sx "C" TOC = Surface
7 7/8	5 1/2	17#	4300'	1200 sx 50/50 POZ TOC = Surface

The operator proposes to drill an injection well to the Queen formation. This well will be used to dispose of the salt water produced from our two Delaware oil wells located on this lease. Specific programs as per Onshore Oil & Gas Order #1 are outlined in the following attachments.

Drilling Program

Surface Use & Operating Plan

Exhibit #1 & 1A - Blowout Preventer Equip.

Exhibit #2 - Location & Elevation Plat

Exhibit #3 - Planned Access Roads

Exhibit #4 - One-mile Radius Map

Exhibit #5 - Production Facilities Layout

Exhibit #6 - Drilling Rig Layout

Exhibit #7 - Cultural Resources Examination

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED George Mullen George Mullen TITLE Regulatory Affairs Specialist DATE 12/4/91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

RECEIVED

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: UN-ORTH. LOC.

AND SWD:

Subject to
Like Approval
by State

*See Instructions On Reverse Side

NOS: 11 / 6 PRODUCTION
REGULATORY AFFAIRS



BRUCE KING
GOVERNOR

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

April 14, 1992

Mitchell Energy Corporation
P.O. Box 4000
The Woodlands, Texas 77387-4000

Attention: Mark N. Stephenson

*RE: Injection Pressure Increase
Sapphire Federal SWD No. 1
Lea County, New Mexico*

Dear Mr. Stephenson:

Reference is made to your request dated March 16, 1992, to increase the surface injection pressure on the Sapphire Federal SWD Well No. 1. This request is based on a step rate test conducted on the well on March 4, 1992. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

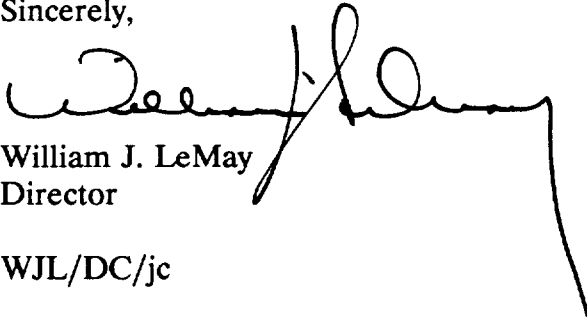
You are therefore authorized to increase the surface injection pressure on the following well.

<u>WELL AND LOCATION</u>	<u>MAXIMUM INJECTION SURFACE PRESSURE</u>
Sapphire Federal SWD No. 1 Unit J, Section 23, T-19S, R-33E, NMPM Lea County, New Mexico	1070 PSIG

Mitchell Energy Corporation
April 14, 1992
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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,

A handwritten signature in black ink, appearing to read 'William J. LeMay', with a long horizontal stroke extending to the right.

William J. LeMay
Director

WJL/DC/jc

cc: Oil Conservation Division - Hobbs
File: SWD-455 ✓
D. Catanach
R. Brown