



SHELL OIL COMPANY

PETROLEUM BUILDING
P.O. BOX 1509
MIDLAND, TEXAS 79701

RECEIVED
MAR 18 1970

March 3, 1970

Subject: Disposal of Salt Water
into Brown Federal A #2
Cato Field, Section 26,
T-8-S, R-30-E, Chaves
County, New Mexico

Mrs. Daphne Cato Baskett
3895 Ingalls Street
Wheat Ridge, Colorado 80033

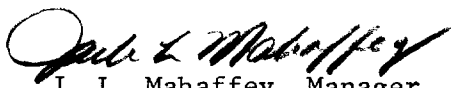
Dear Mrs. Baskett:

Shell Oil Company is presently considering the Brown Federal "A" #2 for subsurface disposal of produced water. Shell would like to test the Yates and Russler formations for possible disposal zones. If injectivity tests prove successful, Shell would convert the well to facilitate disposal of 1800 BWP.

For your information, you will find attached a copy of the NMOCC Form C-108, a plat of the area and a schematic drawing of the subject well.

If the proposed test and installation meet your approval, please sign and return two copies of this waiver to this office.

Yours very truly,


J. L. Mahaffey, Manager
Production Department-West
Midland Division

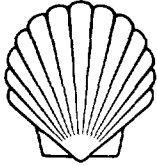
DSK:BW

Attachments

I, Mrs. Daphne Cato Baskett, have no objections to the use of the subject well for salt water disposal as outlined above.

Daphne Cato Baskett
Name and Title

March 7, 1970
Date



SHELL OIL COMPANY

PETROLEUM BUILDING
P.O. BOX 1509
MIDLAND, TEXAS 79701

March 12, 1970

Subject: Salt Water Disposal
Cato Field, Chaves
County, New Mexico

SWD - 110
New Apr. 2

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

Attention Mr. J. E. Kapteina

Gentlemen:

Attached is the requested information pertaining to Shell's application for authority to dispose of salt water by injection into the Brown Federal "A" Well No. 2. The attachments include a map of the area around the proposed injection well, as well as additional copies of form C-108 and the diagrammatic sketch of the well. In addition, a signed copy of the waiver from the surface owner is included.

Should further information be required, please advise.

Yours very truly,

J. L. Mahaffey, Manager
Production Department-West
Midland Division

DSK:BW

Attachments

SCHLUMBERGER**BOREHOLE COMPENSATED
SONIC LOG - GAMMA RAY**

COUNTY CHAVES FIELD or LOCATION CATO WELL BROWN FEDERAL "A" #2 COMPANY SHELL OIL COMPANY	COMPANY SHELL OIL COMPANY			
	WELL BROWN FEDERAL "A" #2			
	FIELD CATO			
	COUNTY CHAVES STATE NEW MEXICO			
LOCATION 1980' FNL 660' FWL		Other Services: SNP, L, MLL		
Sec. 26 Twp. 8-S Rge. 30-E				
Permanent Datum: G.L., Elev. 4171		Elev.: K.B. D.F. 4181 G.L. 4171		
Log Measured From D.F., 10 Ft. Above Perm. Datum				
Drilling Measured From D.F.				
Date	9-8-67			
Run No.	ONE			
Depth—Driller	3700			
Depth—Logger	3694			
Btm. Log Interval	3685			
Top Log Interval	0			
Casing—Driller	95/8 @ 465	@	@	@
Casing—Logger	465			
Bit Size	7 7/8			
Type Fluid in Hole	SALT GEL STARCH			
Dens. Visc.	10.1 39			
pH Fluid Loss	6.5 7.2 ml	ml	ml	ml
Source of Sample	CIRC.			
R _m @ Meas. Temp.	.056 @ 81 °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	.043 @ 81 °F	@ °F	@ °F	@ °F
R _{ms} @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source: R _{mf} R _{ms}	M			
R _m @ BHT	.045 @ 97 °F	@ °F	@ °F	@ °F
Time Since Circ.	8 HOURS			
Max. Rec. Temp.	97 °F	°F	°F	°F
Equip. Location	3722 HOBBS			
Recorded By	LEFLER			
Witnessed By	ZIRNHELT			