

BURLESON & HUFF

OIL PROPERTIES

BOX 935 - PHONE 683-4747

MIDLAND, TEXAS 79701

March 4, 1974

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

Re: Application for Water Disposal
Well

Gentlemen:

Burleson & Huff hereby makes application to convert the dry hole known as the Sol West III (now Burleson & Huff) Nellie No. 1 well situated 1980 feet from the West line and 660 feet from the North line of Section 34, T-18-S, R-32-E, Lea County, New Mexico into a water disposal well. If approved the disposal well will be used to dispose of water produced from the Queen formation at a depth interval from 3887 feet to 4060 feet from the Burleson & Huff Anadarko Federal Nos. 1, 2 and 3 wells situated in the S/2 of Section 27, T-18-S, R-32-E, Lea County. As shown on the attached diagrametic sketch the injection of produced water will be made into the Queen formation in the disposal well at a depth interval from about 3921 feet to 4071 feet. Water produced from the Burleson & Huff Anadarko lease is salty, and it is estimated that a total of approximately 35 barrels of water per day will be injected into the disposal well. The disposal well made large quantities of the same type of water from the Queen formation when the previous operator attempted to complete the well as a producer of oil and gas.

The only production from the Queen formation within 2 miles of the proposed disposal well is from applicant's Anadarko lease from which the water to be disposed of is being produced. The Queen formation is of Permian age and is older than the Triassic formation. The water produced from the Burleson & Huff Anadarko Lease is highly salty and is unfit for domestic, stock, irrigation and/or other general use. The applicant therefor asks for administrative approval of this application without notice and hearing as an exception to Rule 701-A.

Copies of this application and of the other attachments enclosed herewith have been sent to all off-setting operators and to the surface

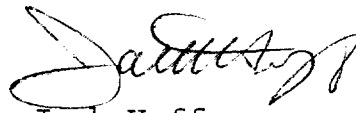
March 4, 1974

owner and surface lessee as shown below.

Enclosed are three copies each of this application, Application form C-108, Diagramatic sketch, copies of log and plat of the surrounding area.

Yours very truly,

BURLESON & HUFF


Jack Huff

JH/sw

Copies sent to:

OFF-SETTING OPERATORS

Anadarko Production Company, P. O. Box 1642, Houston, Texas 77001

Superior Oil Company, Box 1900, Midland, Texas 79701

Mobil Oil Company, Box 633, Midland, Texas 79701

Sol West III, 9161 Oriole Way, Los Angeles, California 90069

SURFACE OWNER

United States of America
Bureau of Land Management
P. O. Box 1397
Roswell, New Mexico 88260
Attn: Mr. William W. Campbell

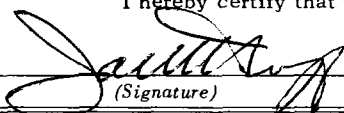
SURFACE TENANT

Snyder Ranches
c/o Mr. Larry Squires
P. O. Box 726
Lovington, New Mexico 88260

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Burleson & Huff			ADDRESS Box 935, Midland, Texas 79701		
LEASE NAME Nellie		WELL NO. 1	FIELD Querecho Plains Queen		COUNTY Lea
LOCATION UNIT LETTER C ; WELL IS LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 34 TOWNSHIP 18-S RANGE 32-E NMPM.					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8	493	325	circulated	returns
INTERMEDIATE					
LONG STRING	4-1/2	4249	300	2300'	calculated
TUBING	2	3875	NAME, MODEL AND DEPTH OF TUBING PACKER Halliburton R-4 packer @ 3875'		
NAME OF PROPOSED INJECTION FORMATION Queen			TOP OF FORMATION 3900		BOTTOM OF FORMATION 4080
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 3921 to 3988 - 11 holes		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Queen production - but was dry		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH Perfs 4053-4071 - 10 holes - squeezed with 50 sx. Bridge plug @ 4030'					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 4500'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA -	
ANTICIPATED DAILY INJECTION VOLUME (BBLS.) 200	MINIMUM 50	MAXIMUM 400	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? by gravity	APPROX. PRESSURE (PSI) -
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes			WATER TO BE DISPOSED OF produced Queen water		NATURAL WATER IN DISPOSAL ZONE some
ARE WATER ANALYSES ATTACHED? no					
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Anadarko Production Co., P. O. Box 1642, Houston, Texas 77001					
The Superior Oil Company, Box 1900, Midland, Texas 79701					
Mobil Oil Corporation, Box 633, Midland, Texas 79701					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes		SURFACE OWNER Federal - Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		PLAT OF AREA Yes		ELECTRICAL LOG Yes	DIAGRAMMATIC SKETCH OF WELL Yes

I hereby certify that the information above is true and complete to the best of my knowledge and belief.


(Signature)

Partner

(Title)

February 15, 1974

(Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

8-5/8" 20# Csg. @ 493'
2/325 sx. Cement circulated
to surface.

Treated water between tubing &
casing

2-3/8" tubing set @ 3875'

Halliburton R-4 Packer @ 3875'

Queen 3900'

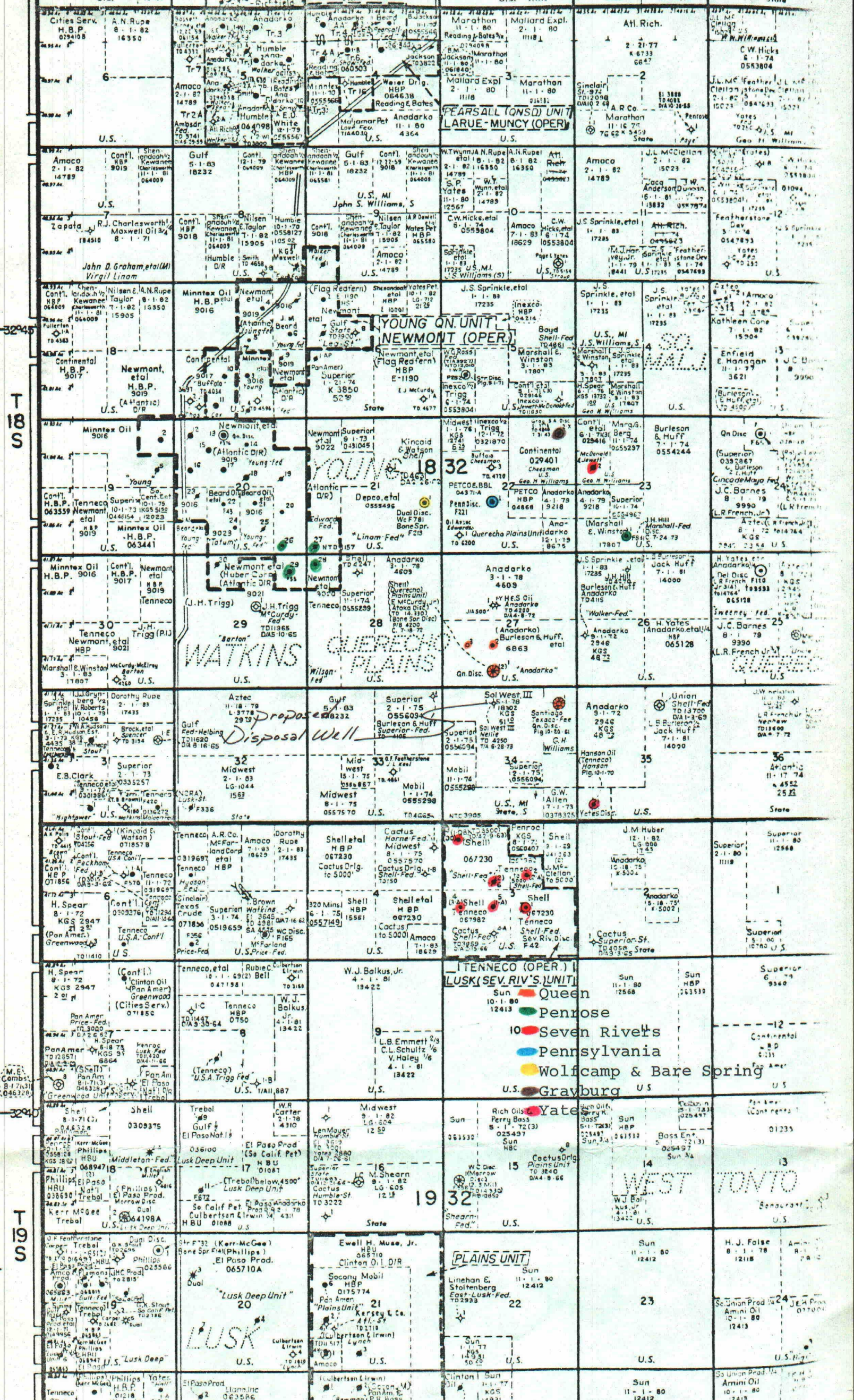
Perforations 3921-3922, 3926,
3927, 3931, 3942,
3950, 3982, 3984,
3986, 3988
Bridge plug set @ 4030'

Perforations 4053-4055 4057-4059
4061-4063 4065-4067
4069-4071

4-1/2" 9.5# Csg. @ 4249' w/300 sx.

BURLESON & HUFF
No. 1 Nellie, Unit C
660 FNL & 1980 FWL
Sec. 34, T-18-S, R-32-E
Querecho Plains Queen
Field
Lea County, New Mexico

TD: 4250'
PBSD: 4240'



Schlumberger

COMPENSATED NEUTRON
FORMATION LOGSFIELD NO. 57 #80074
LOCATION
WELL

COMPANY

COMPANY Burtison & Hupp

WELL #1 NELLE

FIELD QUERRECHO QUEEN

COUNTY LEA STATE NEW MEXICO

LOCATION 1980' FWL & 660' FNL

SEC 34 Twp 18-S Rge 32-E

Other Services:
DLC
MLC
GHCElev: K.B. 3228
DF: 3227.6
GL: 3227.5Elev: K.B. 3228
DF: 3227.6
GL: 3227.5

6-13-73

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4201

4199

4198

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8 1/8 : 493

7 1/8

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SALT / mud

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Kemper

West Scott

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OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 22, 1974

C
O
P
Y

Burleson & Huff
Box 935
Midland, Texas 79701

Re: Administrative Order SWD-156

Gentlemen:

Enclosed herewith please find Administrative Order SWD-156 for your Nellie Well No. 1 located in Unit C of Section 34, Township 18 South, Range 32 East, NMPM, Lea County, New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/CU/og

cc: Oil Conservation Commission
Box 1980
Hobbs, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 5088

SANTA FE, NEW MEXICO 87501

Dear Sir:

Enclosed for you are two copies of the report of the Oil Conservation Commission, dated May 1967, on the subject of "Oil Conservation in the State of New Mexico".

Very truly yours,

W. J. McGee

Enclosed for you are two copies of the report of the Oil Conservation Commission, dated May 1967, on the subject of "Oil Conservation in the State of New Mexico".

Very truly yours,

W. J. McGee
Oil Conservation Commission

W. J. McGee

Oil Conservation Commission
P. O. Box 5088
Santa Fe, New Mexico 87501

BURLESON & HUFF

OIL PROPERTIES

BOX 935 - PHONE 683-4747

MIDLAND, TEXAS 79701

March 29, 1974

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

Gentlemen:

On March 4, 1973 we made application to convert the Burleson & Huff Nellie No. 1 well to a water disposal well. Would you please advise us what the status is at this time and when we might expect an Order concerning this matter. If we should need to do something further in regard to our application we would appreciate it if you would so advise us.

Yours very truly,

BURLESON & HUFF



Jack Huff

JH/sw

cc: Mr. Michael Shearn
3101 Fort Boulevard
El Paso, Texas 79930