

SWU-121
Line Oct. 17
NEW MEXICO OIL CONSERVATION COMMISSION

Form C-108
Revised 1-1-65

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Shell Oil Company Rocky Mountain Division Prod. Dept.		ADDRESS 1700 Broadway, Denver, Colorado 80202	
LEASE NAME Carson Unit	WELL NO. 24-1	FIELD Bisti	COUNTY San Juan
LOCATION UNIT LETTER <u>A</u> ; WELL IS LOCATED <u>454</u> FEET FROM THE <u>north</u> LINE AND <u>2074</u> FEET FROM THE east LINE, SECTION <u>24</u> TOWNSHIP <u>25N</u> RANGE <u>12W</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8"	70'	70	Circulated	
INTERMEDIATE	8 5/8"	2835'	750	1100'	Temp. Survey
NON PERFORATED Slotted liner	6 5/8"	3815'	None Gravel Packed		
TUBING Proposed	2 7/8"	2500'±	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model AD-1 2500'±		
NAME OF PROPOSED INJECTION FORMATION Allison-Menefee and Point Lookout			TOP OF FORMATION 2076'		BOTTOM OF FORMATION hole 3815'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES? Gravel Packed Slotted Liner	PROPOSED INTERVAL(S) OF INJECTION 2835-3815'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Water Source Well		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No		

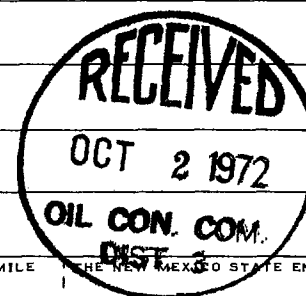
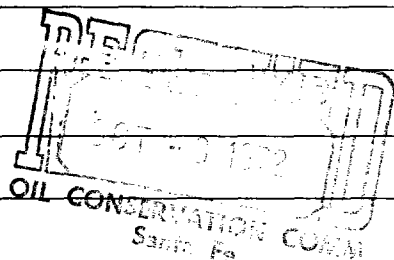
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH

None

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 300'	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 4700'
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 600	MINIMUM 1000	MAXIMUM 1000
OPEN OR CLOSED TYPE SYSTEM Closed		IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure
APPROX. PRESSURE (PSI) 600 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		NATURAL WATER IN DISPOSAL ZONE yes
		ARE WATER ANALYSES ATTACHED? Yes

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)
Federal Land - Lessee: Shell Oil Company

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL
Shell Oil Company



HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Federal Lessee: Shell Oil Co.	SURFACE OWNER Federal Lessee: Shell Oil Co.	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Shell Oil Co.	THE NEW MEXICO STATE ENGINEER 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.

K. R. Jordan
(Signature)

Division Operations Engineer
(Title)

September 29, 1972
(Date)

NOTE: Should waivers from the State Engineer, 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.

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

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10. The tenth part of the document is a list of names and addresses of the members of the committee.

11. The eleventh part of the document is a list of names and addresses of the members of the committee.

12. The twelfth part of the document is a list of names and addresses of the members of the committee.

R12W

R11W

PRODUCTIVE FORMATION SYMBOLS

- Fundland
- Pictured Cliffs
- Gellup
- Dakota
- Pennsylvanian

WELL SYMBOLS

- + Proposed Location
- Location
- Drilling
- Dry Hole
- Water Supply Well (Lagoon Monitor)
- Gas Injection
- Water Injection
- Oil Injection
- Steam Injection
- Salt Water Disposal
- Formerly Productive, Converted to Injection (G - Gas, W - Water, S - Steam)
- Oil Well
- ⊙ Gas Well
- ⊙ Shut In
- ⊙ Temporarily Abandoned
- ⊙ P & A Oil Well
- ⊙ P & A Gas Well
- ⊙ P & A Injection Well

WELL DATA

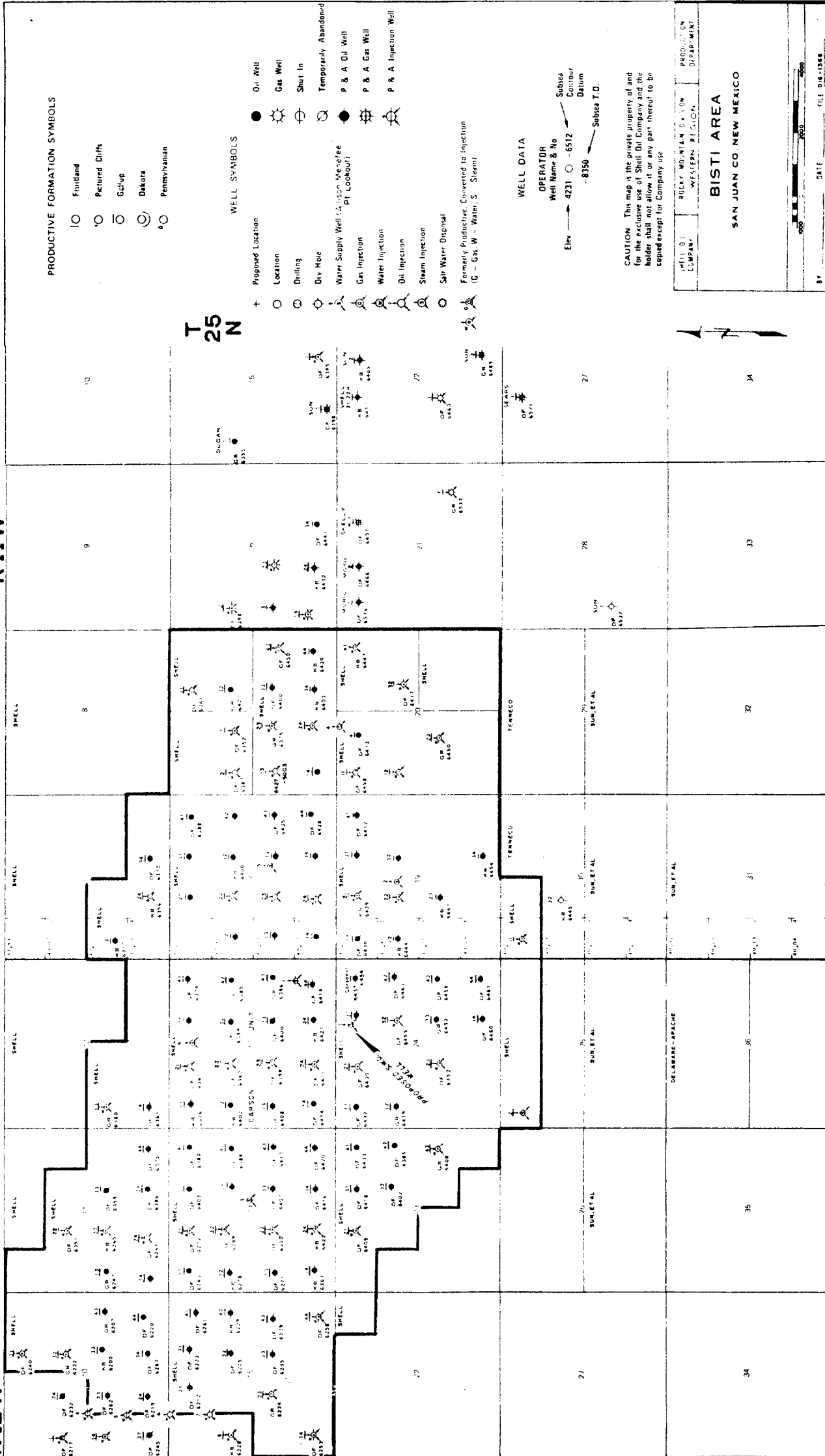
OPERATOR

Well Name & No

Elev — 4231 — 8512 — Subsea Contour Datum
— 8750 — Subsea T.D.

CAUTION: This map is the private property of and for the exclusive use of Shell Oil Company and the holder shall not allow it or any part thereof to be copied except for Company use.

WELL OIL COMPANY	ROCKY MOUNTAIN OIL FIELD	WESTERN REGION	PRODUCING DEPARTMENT
BISTI AREA			
SAN JUAN CO NEW MEXICO			
DATE FILE 04-1968			



CARSON UNIT 24-1, A24 - 25N - 12W

ELEV. 6425.7' G.L.

6433.4' D.F.

6434.9' K.B.

SAN JUAN CO., N. MEX.

13-3/8" 48 LBS., H-40 SET @
70', CEMENTED W/70 SX.,
2% CaCl₂, GOOD RETURNS
TO SURFACE

SKETCH DEPICTS CURRENT
CASING, LINER, TUBING
AND PUMP.

70'

3-1/2" TUBING

8-5/8" 32 LBS. H-40 SET @
2835', CEMENTED W/650 SX.
1:1 DIAMIX & 100 SX. REG.
CEMENT TOP @ 1100'
DETERMINED BY TEMP. SURVEY

BJ SUBMERSIBLE PUMP,
2700' ±

B & W LINER HANGER TOP
@ 2779'

2835'

6-5/8" 18.9 LBS. & 20 LB. LINER
SET @ 3815', GRAVEL PACKED
LINER DETAIL:

TOP JT.	30.15' BLANK
NEXT JT.	30.69' .05" X 2", 1 SLOT/FT.
REMAINDER	963.89' .05" X 2", 47 SLOTS/FT.

BOTTOM OF LINER @ 3815'
BULLNOSED

T.D. 3825'

CARSON UNIT 24-1, A24 - 25N - 12W

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6433.4' D.F.

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70', CEMENTED W/70 SX.,
2% CaCl₂, GOOD RETURNS
TO SURFACE

70'

SKETCH DEPICTS CURRENT
CASING AND LINER AND
PROPOSED TUBING AND
PACKER FOR WATER INJECTION

8-5/8" 32 LBS. H-40 SET @
2835', CEMENTED W/650 SX.
1:1 DIAMIX & 100 SX. REG.
CEMENT TOP @ 1100'
DETERMINED BY TEMP. SURVEY

2-7/8" J-55 TUBING

PACKER @ 2500'±

B & W LINER HANGER TOP
@ 2779'

2835'

6-5/8" 18.9 LBS. & 20 LB. LINER
SET @ 3815', GRAVEL PACKED
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