STATE OF NEW MEXICO EMERGY AND MINERALS DEPARTMENT

OIL CONSERVATION CIVISION 7 108 Revision 7-1-81

I.	Purpose: Secondary Recovery Pressure Maintenance This good Storage Application qualifies for administrative approval? Xyel51. 5 no
II.	Operator: Mobil Producing Texas & New Mexico Inc.
	Address: P. O. Box 5444, Denver, CO 80217-5444
	Contact party: C. N. Eggerman Phone: (303) 298-2346
III.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? yes no If yes, give the Division order number authorizing the project
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
III.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
III.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
xīv.	Certification
	I hereby certify that the information submitted with this application is true and correcto the best of my knowledge and belief.
	to the best of my knowledge and belief. Name: B R Maynard Signature: Date: 10-14-ff
	Signature: Detc: 10-14-88

III. WELL DATA

- A. The following well data must be submitted for each inject: well covered by this applicat: The data must be both in tabular and schematic form and small include:
 - (1) Lease name: Well No.: location by Section. Township, and Range: and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hule size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- 8. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each lessehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- 1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells:
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Senta Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was

SUPPLEMENTAL DATA WATER DISPOSAL WELL APPLICATION

WELL DATA III.

A.

1.) Lindrith "B" Unit, Well No. 25 1250' FSL and 1840' FEL of Section 9, T24N, R3W Rio Arriba County, New Mexico

2.) Casing

2.) Casing		Sacks	Hol e	Top of	How
0. D. 13 3/8 8 5/8	<u>Dept</u> h 405 3300	<u>Cemen</u> t 475 750	<u>Siz</u> ● 17 1/2 11	<u>Cemen</u> t Surface Surface	<u>Determined</u> Circulated 50 sx @ Surf
4 1/2	7700	+200 475 +200 800 (DV + 50	7 7/8	3300′+/-	125 sx Sqz

3.) Tubing

2 3/8" O.D., 4.7 #, J-55, EUE Set @ 7547'. Internally coated w/PA 400

4.) Packer

Baker Model R3 set @ 7547'

B.

- 1.) Injection Formation: Dakota "E" West Lindrith Gallup Field
- 2.) Injection Perforations: 7570-7594
- 3.) Well was drilled and completed as a producer. Became uneconomic in less than 3 years. Attempted recompletion produced water from Dakota "E".
- 4.) Previous Perforations

7313-7329, 7418-7424, 7494-7504, 7507-7513, 7515-7522 Squeezed with 150 sacks, 125 sacks into formation.

A casing leak was found at 3322' while recompleting in the Dakota "E" and was squeezed with 125 sacks of cement in three stages. Casing was pressure tested to 2100 psi for 30 minutes without pressure loss.

5.) The next higher producing zone in the area of the well is the Pictured Cliffs formation. There is no lower producing Zone.

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Mobil Oil Brooration Schematic to Salt Water Disposal

Elevation: KB 6892' GL 6879'

13-3/8" 48# H-40 casing at 405' cemented w/ 475 sx Class C, 2% CaClz, 1/4# Flo-Cale

8.5/8" 24 € 32" J.55 casing at 3300' comented w/
750 sx Class B, 50/50 poz.
6% gel. 1/2 4+3/5x per lite
1/4" Flo-Cele. Tailed in w/
150 sx Class B, 1/4" Flo-Cele

DV @ 5361' Comented wil 800 SX
Class B, 65-35 poz, 69's gel
5# gilsonite. 14# Flo Cele. Tailed
in wil 50 sx Class B, 14 Flo Cele
Did not circ.

Lindrith B-25 1250' FSL. 1840' FEL Section 9, T24N, R3W Rio Arriba Bunty, NM

17-1/2 hole to 405'

11" hole to 3300'

2.3/8" 4.6# J-SS +bg internally coated w/ PA400.

Dakota A. B & D perts 7313-7522' OA. Squeezed W/ 125 sx Class B

Baker R-3 @ 7547'

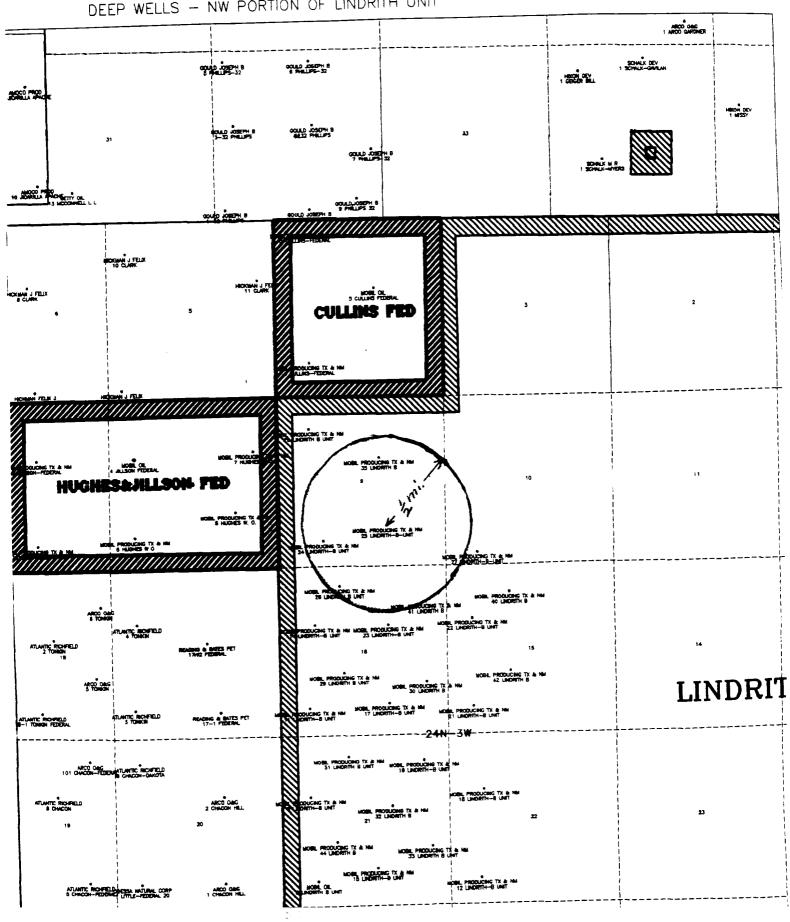
Dakota E perts 7570-94'

41/2" 10.5 = 9.5 K-SS casing of 7700' comented wil 475

sx Class B. 65-35 poz, 6% gel,
5" gilsonite, 1/4" Flo Cele. Tailed
in w/ 50 si Class B, 1/4" Flo Cele

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DEEP WELLS - NW PORTION OF LINDRITH UNIT



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XS 08t1 :	XS 0022	XB OOTZ	XS OGZI
0844 0 1	008Z 9	2/1 B	9997 9 271 3
XS 006			XS O£t
6 2200 8 2\8			2672 0 879 8
XS SZ# :	XS 007	XS 004	X8 008
6 262 72 278	ხვ ხ მ 8/9 გ	8/5 8/6	@ #200 #2 2\8
809Z-78ZZ	Z G 9Z-9bbZ	S727-4927	464 2-2224
ATONAC	DAKOTA	етан е а	DAKOTA
ANGO	0087	OSZZ	<u>9</u> 974
28-91-8	10-15-8 2	1-21	58-75-8
CORA	EEOD	COMA	GDA9
¥9 6 989	H9 8Z69	됨0 0269	H9 6989
MS-N4S-6	MS-N#Z-6	M2-N+Z-91	MS-N6Z-91
7462 EMF 1462 EMF	SOLV REF 1614 ENF	PPOEEL 1102 ENC	1880 FWL 610 FWL
B HTTRUNIJ PZ # TINU	OVIL # 22	IP # TINU	CINDEITH B
TIEOW	MOBIL	MOBIC	A MITTERNAL I
	7 175 6 2200 4 22 28 7 2 28 7	# 175	6 1/2 6 1/2 2 1/2

WELL HISTORIES - AREA OF REVIEW ails radius of Lindrith B Unit Well No. 25 are as follows:

LINDRITH B # 25 Section 9, T24N, R3W, NMPM RIO ARRIBA COUNTY, NEW MEXICO

ATTACHMENT NUMBER 3

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