

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall 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, hole 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.

B. 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 the 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 leasehold 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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 mailed to them.

MERIT ENERGY COMPANY
APPLICATION FOR AUTHORITY TO INJECT
GRAYBURG-JACKSON WATERFLOOD

III. Well Data

a.

- i. Turner "B" #12
2080' FSL & 660' FWL
Section 20, T-17-S, R-31-E
Eddy County, New Mexico
- ii. Surface Casing
7", 20# @ 609' with 50 sx. TOC @ 200' (calculated).
Hole size is unknown.

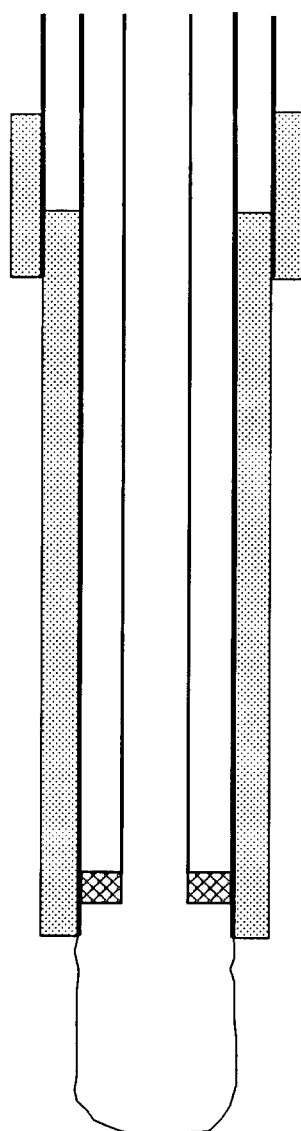
Production Casing
5-1/2", 14# @ 1845' with 100 sx. TOC @ 500' (calculated).
Hole size is unknown.
- iii. Tubing will be 2-3/8", 4.7#, J-55, 8rd, EUE, IPC set at 1845'.
- iv. 5-1/2" Baker Model "AD-1" injection packer @ 1845'.

b.

- i. The injection interval will be the Seven Rivers formation in the Grayburg-Jackson field.
- ii. Water injection will be through open-hole 1874' – 2022'. This is the injection interval.
- iii. This well was originally drilled as a Seven Rivers producer.
- iv. No other completions are known to exist in this well.
- v. There are no known upper oil zones. The next lower oil zone is the Grayburg formation at +/-2744', which was not penetrated in this well.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #12			FIELD: GRAYBURG-JACKSON (SEVEN RIVERS)			
LOCATION: 2080'FSL & 660'FWL, SEC 20-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: GL=3626'; KB=UNK			SPUD DATE: 3/13/1944	COMP DATE: 6/6/1944		
API#: 30-015-05284		PREPARED BY: JASON WACKER			DATE: 8/25/2003	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 609'	7"	20#			
CASING:	0' - 1874'	5-1/2"	14#			
CASING:						
TUBING:	0' - 1845'	2-3/8"	4.7#	J-55	EUE 8rd, IPC	
TUBING:						



CURRENT



PROPOSED

OPERATOR: MERIT ENERGY COMPANY

7" CASING @ 609' W/50 SX. TOC @ 200' (calculated)

BAKER "AD-1" INJECTION PACKER @ 1845'
5-1/2" CASING @ 1874' W/100 SX. TOC @ 500' (calculated)

OPEN HOLE: 1874'- 2022'

TD @ 2022'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.