

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved, Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.
NM-0392082-A

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Union "B" Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Undesignated -
Jennings Delaware Assoc.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 4, T26S, R32E

12. COUNTY OR PARISH
Lea

13. STATE
NM

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*
3314' KB

19. ELEV. CASINGHEAD
3309' GR

23. INTERVALS DRILLED BY
Surface-TD

ROTARY TOOLS
None

CABLE TOOLS
None

25. WAS DIRECTIONAL SURVEY MADE
No

27. WAS WELL CORED
No

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other

2. NAME OF OPERATOR
Discovery Operating, Inc.

3. ADDRESS OF OPERATOR
800 N. Marienfeld, Suite 100, Midland, TX 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 330' FNL and 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
10/13/87

15. DATE SPUDDED 11/21/87

16. DATE T.D. REACHED 12/2/87

17. DATE COMPL. (Ready to prod.) 12/31/87

20. TOTAL DEPTH, MD & TVD 4578'

21. PLUG, BACK T.D., MD & TVD 4577'

22. IF MULTIPLE COMPL., HOW MANY*

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4564-4577' - Jennings (Delaware)

26. TYPE ELECTRIC AND OTHER LOGS RUN
Density

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	23# & 24#	915'	12 1/4"	200 sx Lite & 300 sx C	None
4 1/2"	10.5#	4575'		210 sx H 50/50 Poz.	None

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2 3/8"	4563'	None

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4564' - 4577'	14 shots	4564' - 4577'	750 gal - 7 1/2# MCA

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12/31/87		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/11/88	24	--		10	17	70	1700:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
--	20 psi.		10	17	70	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

35. LIST OF ATTACHMENTS
Density Log

TEST WITNESSED BY
Will Molinar

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED N. Jeffrey Sparks TITLE Engineer DATE 1/13/88

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Nacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
Delaware	4552'	4575'	DST #1 15 min IF - 259 psi; plugging action 60 min ISI - 1371 psi 60 min FF - 142 psi - 168 psi; GTS/7 min. 120 min FSI - 1435 psi Recovered 458' of gas fluffed mud
			Delaware
			4560'
			4560"