

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Corp. Division
1625 N. Frenn Dr.
Hobbs, NM 88240

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

NM 97158

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Flinstone Federal #1

9. WELL NO.

30-025-34253

10. FIELD AND POOL, OR WILDCAT

Wildcat Wolfcamp

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 24

T-23-S, R-35-E

12. COUNTY OR PARISH

Lea

13. STATE

NM

19. ELEV. CASINGHEAD

3489'

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 Ste. 100, Midland, Tx 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1938 FNL & 2157 FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

22177

DATE ISSUED

12/19/97

15. DATE SPUDDED

2/26/98

16. DATE T.D. REACHED

4/23/98

17. DATE COMPL. (Ready to prod.)

6/25/98

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GL 3489 3507DF

20. TOTAL DEPTH, MD & TVD

14,217

21. PLUG, BACK T.D., MD & TVD

10,105'

22. IF MULTIPLE COMPL., HOW MANY*

No

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

10,038 - 10,048

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Electric, Sonic, N-D

27. WAS WELL CORED

NO

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	506	17 1/2"	Surface 500 sks	
9 5/8	36# & 40#	5261	12 1/4"	1840' Temp Survey	1220 sks
7"	23# & 26#	11855	8 3/4"	9310' Temp Survey	610 sks

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

10038'-10048'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10,038-10,048	2500 Gal (FerChek Acid)

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
6/25/98		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
9/15/98	8.5	-	→	68	NA	22		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
--	170	→	192	NA	62	43.2		

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

VENT

35. LIST OF ATTACHMENTS

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

SIGNED

Michael E. Locke

TITLE

Engineer

DATE

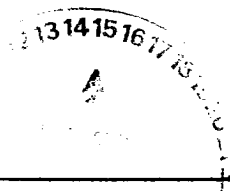
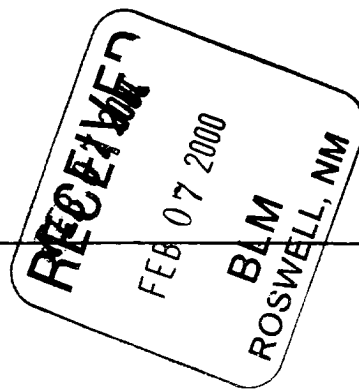
2/2/2000

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

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Strawn	11,855	12,022	Water	Rustler	1788'	
Strawn	11,362	11,368	Water	Yates	3980'	
Bone Spring	10,514	10,518	Water	Brushy Canyon	5770'	
Bone Spring	10,116	10,118	Water	Bone Springs	9104'	
Bone Spring	10,038	10,048	Oil Test	Strawn	10,802'	
				Atoka	12,760'	
				Morrow	13,624'	

38. GEOLOGIC MARKERS



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
P.O. Box 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Designation and Serial No. NM 97158
2. Name of Operator Discovery Operating, Inc.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 800 N. Marienfeld, Suite 100, Midland, TX 79701 (915) 683-5203	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1938' FNL & 2157' FWL Sec. 24, T-23-S, R-35-E	8. Well Name and No. Flintstone Federal #1
	9. API Well No. 30-025-34253
	10. Field and Pool, or Exploratory Area Wildcat
	11. County or Parish, State Lea County

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☒ Abandonment
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☐ Other
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Proposed P&A Procedure:

1. Set CIBP @ 9990'. Cap w/35' cement (dump bailer).
2. Load hole w/9.0 #/gal of mud laden fluid.
3. Cut 7" casing @ free point (top of cement @ 9310').
4. Spot 100' plug (30 sx H) across 7" casing stub (1/2 in, 1/2 out).
5. Spot 100' plug (35 sx C) across 9 5/8" casing shoe @ 5311'-5211' (1/2 in, 1/2 out). WOC & tag.
6. Cut 9 5/8" casing @ free point (top of cement @ 1840') and pull same out of hole.
7. Spot 100' plug (47 sx C) across 9 5/8" casing stub (1/2 in, 1/2 out).
8. Spot 100' plug (70 sx C) across 13 3/8" shoe @ 556'-456' (1/2 in, 1/2 out). WOC & tag.
9. Spot 10 sack plug @ surface.
10. Cut off wellhead and weld at marker.

14. I hereby certify that the foregoing is true and correct

Signed David R. Glass Title Petroleum Engineer

Date 10/28/98

(This space for Federal or State office use)

(ORIG. SGD.) DAVID R. GLASS

PETROLEUM ENGINEER

Date NOV 03 1998

Approved by [Signature] Title [Signature]

Conditions of approval [Signature]

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

*See Instruction on Reverse Side

TO BWV-001