

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYPower SUBMIT IN DUPLICATE\*  
Artesia, NM 88210 (See instructions on reverse side)Form approved.  
Budget Bureau No. 42-R355.5. C/SF

5. LEASE DESIGNATION AND SERIAL NO.

NM-0424859

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bunnel Federal

9. WELL NO.

No. 2

10. FIELD AND POOL, OR WILDCAT

Indian Basin Upper Penn

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

Section 18, T21S, R23E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1. TYPE OF WELL:

OIL WELL ☐GAS WELL ☒DR ☐

RECEIVED BY

b. TYPE OF COMPLETION:

NEW WELL ☒WORK OVER ☐DEEP-EN ☐PLUG BACK ☐DIFF. RESV. ☐

DEC 03 1984

2. NAME OF OPERATOR

Robert N. Enfield

3. ADDRESS OF OPERATOR

P. O. Box 2431, Santa Fe, NM 87501

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

At surface 330' FEL 1200' FSL of Section 18

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

9/15/84

16. DATE T.D. REACHED

10/11/84

17. DATE COMPL. (Ready to prod.)

11/2/84

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

4075.5 GR

19. ELEV. CASINGHEAD

4075.5

20. TOTAL DEPTH, MD &amp; TVD

7600'

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

CIBP 7395'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

ALL

CABLE TOOLS

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

7229' - 7287'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

LDT/CNL - DIL - SFL

27. WAS WELL CORED

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	61#/ft	282'	17-1/2"	375 sx Cl C, Cir. to surface	
8-5/8"	24#/ft	1622	12-1/4"	615 sx Haliburton Light, Cir to surface	
4-1/2"	11.6#/ft	7600'	7-7/8"	450 sx Haliburton Class H	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7288'	7211.92

31. PERFORATION RECORD (Interval, size and number)

1 shot each at 7407', 08', 09', 10', 15', 16', 17', 18'. Set CIBP at 7395'  
1 shot each at 7229', 31', 33', 47', 49', 51', 53', 67', 73', 84', 85', 86', 87'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7407'-7418'	250 gal 15% HCL
7229'-7287'	500 gal 15% HCL
	14000 gals 70 quality foam acid

33.\*

PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
	Flowing	shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/14/84	1 hr.	17/64"	→	TSTM	4260	TSTM	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1182	packer	→	TSTM	4,260	TSTM		

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

To be sold when lines have been installed

TEST WITNESSED BY

NOV 30 1984 Don Bennett

35. LIST OF ATTACHMENTS

Logs, Deviation Survey and Multipoint &amp; One Point Back Pressure Test for Gas Well

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

SIGNED

Robert N. Enfield

TITLE

Operator

DATE

11/27/84

\*(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.), pressure 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:** "Sacks 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 FORMER ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; COBED 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Wolfcamp	5364'	6990'	DST #1: 6402' - 6500' Open tool w/fair blow decreased to weak blow at end of 30" flow period. 90" ISIP, reopen for 60" final flow-no blow-close & open tool 4 times, no blow. FSIP 180". Recovered 315' drilling fluid, 180' formation cut drilling fluid in drill pipe. Sample chamber: 35 PSIG-recovered 1900 CC water; .066 cu. ft. gas. Chlorides 20,000. Pressured: IIP 2984; FIF 81-270: ISIP 2406; Second Flow-no pressure	San Andres Glorietta Bone Spring Lime Lower Bone Spring Sand Wolfcamp Cisco		253' 1750' 3000'  5153' 5364' 6990'
Cisco Canyon	6990'	TD 7600' in Cisco Canyon				

INCLINATION REPORT

OPERATOR:

Robert N. Enfield  
P. O. Box 2431  
Santa Fe, NM 87501

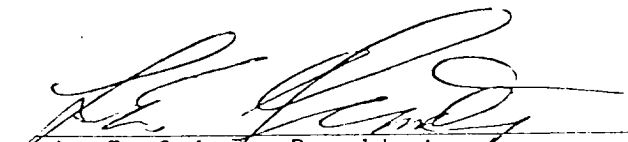
LOCATION:

Bunnell Federal #2  
Eddy County, NM

DEPTH FEET	INCLINATION DEGREES	DEPTH FEET	INCLINATION DEGREES	DEPTH FEET	INCLINATION DEGREES
85	$\frac{1}{2}$	5028	3		
193	$\frac{1}{2}$	5244	3		
282	$\frac{3}{4}$	5524	$2 \frac{3}{4}$		
782	$\frac{1}{2}$	5720	3		
1126	1	5960	3		
1419	$\frac{1}{2}$	6345	3		
1622	$\frac{1}{2}$	6719	3		
2007	$\frac{1}{2}$	7200	$2 \frac{1}{2}$		
2500	$\frac{3}{4}$	7585	3		
2810	1				
3072	1				
3414	1				
3819	$1 \frac{3}{4}$				
4028	$1 \frac{1}{2}$				
4256	$1 \frac{3}{4}$				
4488	$2 \frac{1}{2}$				
4815	$3 \frac{1}{2}$				

COUNTY OF MIDLAND  
STATE OF TEXAS

The undersigned states that he has knowledge of the facts and matter herein set forth and that the same are true and correct.

  
L. E. Grimes, President

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25 day of October 19 84

  
Notary Public

My commission expires: March 1988