

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

2. Name of Operator

Manzano Oil Corporation

3. Address and Telephone No.

P.O. Box 2107, Roswell, NM 88202-2107

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

400' FNL & 2310' FEL

Section 31, T19S-R33E

5. Lease Designation and Serial No.

NM-67110

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 31-G #2

9. API Well No.

30-025-31354

10. Field and Pool, or Exploratory Area

Gem Bone Spring

11. County or Parish, State

Lea Co., NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ 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.)*

1-1-92 Run Opn Hole Logs.
1-2-92 TD 9400'. LD DC's. Loggers TD 9390'. Have good upper Delaware pay. Prep to run 5-1/2" csg to 5900'. Set 1st cmt plug @ 8967'. 35 sx C1 H w/1% CaCl. Tagged @ 8834'. Set 2nd cmt plug @ 7914'. 35 sx C1 H w/1% CaCl
1-3-92 PBTD 5915 KB. Rig released. Ran 146 jts (5919.89') of 5-1/2" csg w/flt shoe, clr & 9 centr1. Set @ 5915' KB. Cmt w/400 sx C1 H + 8/10% CF14 + 8#/sk CSE + 0.35% thrifty lite (slurry wt 13.8). Plug dwn 3:30 PM 1-2-92. Press diff 850 PSI. Est TOC 4000'. Set slips @ 3:45 PM 1-2-92. Rel rig 8:30 PM 1-2-92. Ran pipe in following order:
25 jts - 942.12' - 17# L80 LT&C-8R
121 jts - 4977.77' - 17# K55 LT&C-8R
1-17-92 Ran CBL-CCL-GR. PBTD 5868'. TOC 4050'. Perf Delaware zone 5693'-5702' w/10 holes & 5705'-07' w/3 holes. Total 13 holes. PU 5-1/2" pkr. Tally IH to 5731' (181 jts)
1-18-92 Set pkr & tsg to 3K PSI - OK. Unset pkr. Pull to 5700'. Displ btm of hole w/50 bbls 2% KCL wtr. Spot 1 bbl acid across perfs. Pull pkr to 5605' & set. Bk fm dwn w/spot acid. Form broke 2300 PSI. Pmp 1/2 BPM @ 1500 SPI. ISDP 1450 PSI. Acidized well w/1000 gal - 15% NE/FE + clay stab & 20 balls.

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

Signed [Signature] Title Production Analyst

Date 2/16/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

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

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2. Name of Operator Manzano Oil Corporation	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 2107, Roswell, NM 88202-2107	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 400' FNL & 2310' FEL Section 31, T19S-R33E	8. Well Name and No. Federal 31G #2
	9. API Well No. 30-025-31354
	10. Field and Pool, or Exploratory Area Gem Bone Spring
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1-21-92 Unset pkr. POOH. Perf Delaware zone as follows:
5565' 5573' 5577' 5580' 5585' 5588' 5595'
67' 74' 78' 83' 86' 89'
71' 75' 79' 84' 87' 93'
Set RBP @ 5637'. Pkr @ 5605'.
1-22-92 Tstg RBP to 2000 PSI. Pull & set pkr @ 5480'. Brk form w/3000 PSI. Acidized w/1500 gal 15% NE/FE w/clay stay & 30 balls.
1-25-92 Unset pkr. POOH. Perf: 5226' 5235'
27' 36'
28' 37'
29'
Total 7 - 0.32 holes. TIH. Unset RBP. Pull to 5290' & set. Pull pkr to 5261'. Tsg RBP to 2000 PSI - OK. Spot 1.2 bbls acid across perf. Pull to 5157'. Set pkr. Brk form w/2700 PSI. Pmpd spot away @ 1.8 BPM @ 1950 PSI. Bull head 600 gal 15% NE/FE acid w/clay-stay + 11 balls. Avg rate 3.8 BPM @ 2500 PDI. ISDP 1426 PSI.

14. I hereby certify that the foregoing is true and correct
Signed [Signature] Title Production Analyst Date 2/15/92
(This space for Federal or State office use)

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1-28-92 Unset pkr. POOH Perf: 5175' 5181' 5185' 5191' 5197'
77' 83' 88' 93' 99'
79' 84' 89' 95'

Total of 14 - 0.32" holes. Unset RBP & reseal @ 5211'. Spot 1 bbl ac across perfs. Pull & set pkr @ 5103'. Broke formw/2100 PSI. Acidized w/1250 gal 15% NE/FE + clay stay + 24 balls.

1-30-92 Unset pkr. POOH. Perf: 5130' 5134' 5147' 5153'
31' 35' 48' 54'
33' 36' 51' 55'

Unset RBP & move to 5170'. Set pkr @ 5167'. Tsg RBP @ 2100 PSI. Spot 1 bbl acid across perf. Pull up, set pkr @ 5072'. Brk form @ 2670 PSI. Acidized w/1000 gal 15% NE/FE + clay stab & 24 balls.

2-1-92 Unset pkr. TIH. Mv & set RBP to 5480'. Pull pkr to 5072' & set. Swab all zones together. Swab dry in 3 runs.

2-4-92 Unset pkr & plug. POOH. WIH w/CIBP & set @ 5530'. Swab csg to 4300'. POOH w/tbg. Frac dwn csg w/80K gal Spectra G-3000 + 221K# 16/30 Ottawa Sd @ 1#/gal incr to 7#/gal. Avg rate 24 BPM @ 1800 PSI. Max press 2380 PSI. Min P 1400 PSI. ISDP 1600 PSI

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

Signed James J. King Title Production Analyst Date 2/15/92

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2-5-92 SICP (15 hrs) 1100 PSI. Flw bk 600 bbls/6-1/2 hrs w/show of form gas. Take off frac head. PU 1 jt opn ended mud anchor & SN. TIH w/tbg. Tag fill @ 5305'. Pulled end of mud anchor to 5135'. Pack-off wellhead. 68' rat hole. Md 4 swab runs. Rec 80 bbls 2% oil cut. FL @ surf. Hook up to frac tk. Set chk on 18/64".

2-6-92 Take off chk, opn 2" valve 10 PSI - 40 BF 7% oil cut
Installed chk. Set on 24/64" - 22 PSI - 9 BF 10% oil cut.
Opn chk to 28/64", 9th hr FTP 90 PSI - 26 BF - 10% oil cut.

2-7-92 Cont flw tstg. Total 80 BF/8 hr: 28 BO + 52 BW. Color cut tks @ 46 BO + 118 BW.
SICP 360 PSI, FTP 165 PSI on 18/64" chk.

2-12-92 Flwd 73 BO + 100 BW in 23 hrs on 18/64" chk. FTP 180 PSI, CP = 920 PSI. Set 6x20 heater treater. Turned to heater treater @ 4:40 PM. Started dmpg oil to frac tk @ 7:00 PM 2-11-92. Transferred 64 BO fr frac tks to fill treater.

2-14-92 Flwd 90 BO + 100 BW in 23 hrs. FTP = 200 PDI on 18/64" chk. CP 1250 PSI. Hooked up two 500 bbls stock tks. Turned into tks @ 2:30 PM 2-13-92.

2-15-92 Flwd 112 BO + 68 BW. FTP 145 PDI, CP 1400 PSI.

2-16-92 Flwd 107 BO + 72 BW. FTP = 180 PSI, CP = 1450 PSI.

2-17-92 Flwd 98 BO + 63 BW. FTP = 170 PSI, CP = 1400 PSI.

FINAL REPORT

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

Signed Laura J. King Title Production Analyst Date 2/17/92

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