

Submit to Appropriate
District Office
State Leases - 6 copies
Fee Leases - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.	30-025-33883
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil & Gas Lease No.	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:	OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. Type of Completion:	NEW WELL ☒ WORK OVER ☐ DESIGN ☐ PLUG BACK ☐ DEEP ☐ REISER ☐ OTHER ☐

7. Lease Name or Unit Agreement Name	"SV" Big Bertha
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2. Name of Operator	Manzano Oil Corporation
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8. Well No.	1
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3. Address of Operator	P.O. Box 2107, Roswell, NM 88202-2107
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9. Pool name or Wildcat	North-Lovington Wolfcamp
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4. Well Location	Unit Letter <u>F</u> : <u>2081</u> Feet From The <u>North</u> Line and <u>1870</u> Feet From The <u>West</u> Line
Section	<u>11</u> Township <u>16 South</u> Range <u>36 East</u> NMPM Lea Country

10. Date Spudded	5/09/97	11. Date T.D. Reached	6/03/97	12. Date Compl. (Ready to Prod.)	7/07/97	13. Elevations (D.F. & R.C.B., RT, GR, etc.)	3893' GL	14. Elev. Casinghead	3910' KB
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15. Total Depth	10,900'	16. Plug Back T.D.	10,675'	17. If Multiple Compl. How Many Zones?		18. Intervals Drilled By	Rotary Tools ☒ Cable Tools ☐
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19. Producing Interval(s), of this completion - Top, Bottom, Name	10,592-599' Upper Beta Reef	20. Was Directional Survey Made	No
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21. Type Electric and Other Logs Run	ZDL/CN; DLL/MLL; DAL	22. Was Well Cored	No
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23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	72#	406'KB	17-1/2"	375 sx C1 C	None
8-5/8"	32#	4173'KB	11"	1550 sx C1 C	None
5-1/2"	17#	10895'KB	7-7/8"	1st stg: 300 sx Super C	None
				2nd stg: 275 sx Super C	None
				DV Tool @ 7050'	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
					3971'	10,471'

26. Perforation record (interval, size, and number)	10,754-760'	10,688-692'	10,592-599'
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
	10,592-599'	Acidized w/500 gal 20% NEEF	

28. PRODUCTION

Date First Production	6/25/97	Production Method (Flowing, gas lift, pumping - Size and type pump)	Flowing	Well Status (Prod. or Shut-in)	Producing									
Date of Test	6/26/97	Hours Tested	24	Choke Size	9/64"	Prod'n For Test Period	Oil - Bbl	150	Gas - MCF	210	Water - Bbl	30	Gas - Oil Ratio	1400
Flow Tubing Press.	900	Casing Pressure	Zero	Calculated 24-Hour Rate	150	Oil - Bbl	150	Gas - MCF	210	Water - Bbl	30	Oil Gravity - API - (Corr.)	40.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)	Sold	Test Witnessed By	Ronnie Carre
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30. List Attachments	ZDL/CN; DLL/MLL; DAL
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31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Printed Name Allison Hernandez Title Eng. Tech. Date 7/09/97

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates _____
 T. 7 Rivers _____
 T. Queen _____
 T. Grayburg _____
 T. San Andres _____
 T. Glorieta _____
 T. Paddock _____
 T. Blinberry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp _____
 T. Penn _____
 T. Cisco (Bough C) _____

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
 No. 2, from _____ to _____ feet
 No. 3, from _____ to _____ feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	2070	2070	Red beds, Shale, Limestone				
2070	3232	1162	Anhydrite, Shale				
3232	4097	865	Dolomite, Sand, Anhydrite				
4097	8500	4403	Dolomite, Shale, Sand				
8500	9711	1211	Dolomite, Limestone, Shale				
9711	TD	1189	Limestone, Shale, Chert				