

N.M. Oil Cons. Div  
 811 S. 1st Street  
 Artesia, NM 88210-2834

UNITED STATES

DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
 OMB NO. 1004-0137  
 Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NM93771 out of NM025503

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. 26670

8. Lease Name and Well No. Shugart West 24 Federal #1

9. API Well No. 30-015-31340

10. Field and Pool, or Exploratory Shugart Bone Springs

11. Sec., T., R., M., or Block and Survey or Area Sec 24-T18S-R30E

12. County or Parish Eddy 13. State NM

17. Elevations (DF, RKB, RT, GL)\* KB 3645', DF 3644', GL 3632'

14. Date Spudded 9/16/00 15. Date T.D. Reached 10/03/00 16. Date Completed 10/20/00  D & A  Ready to Prod.

18. Total Depth: MD 8425' TVD 19. Plug Back T.D.: MD 8337' TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLML, CNL 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	72#		780'		615 Prem +		Surface	
11"	8-5/8"	32#		2390'		575 "C"		Surface	
7-7/8"	5-1/2"	15.5/17		8425'		745 "H"		1900'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	8049'	8010'						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Springs Fm.			8198' - 8220'	2spf	22	
B)			8176' - 98'	2spf	22	
C)			8170' - 76'	2spf	12	
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8170' - 8220'	2500 gallons 15% HCL acid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
10/20/00	10/20/00	24	→	411	115	0			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press. Pkr	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
20/64	340								

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

**ACCEPTED FOR RECORD**  
 NOV 15 2000  
 BLM

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

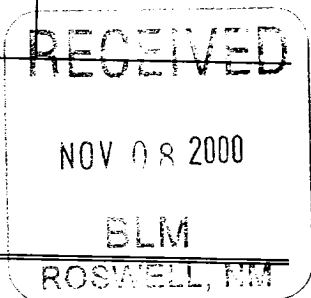
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

Formation	Top	Bottom	Descriptions, Contents, etc.
Penrose	3390'	3435'	<b>CONFIDENTIAL</b>
Delaware	4870'	5618'	
1st BS Sand	7638'	7927'	

31. Formation (Log) Markers

Name	Top Meas. Depth
Queen	3142'
Grayburg	3587'
Delaware	4637'
Bone Spring LS.	5816'
1st Bone Spring Sand	7638'

32. Additional remarks (include plugging procedure):



33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Kaye Alley Title Production Technician

Signature  Date 11/06/00