New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **LC-032573B**

1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,.
Other **DHC**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **Zia Energy, Inc.**

8. Lease Name and Well No. **Elliott B-4**

3. Address **2203 Timberloch, Ste 229, The Woodlands, TX 77380**
3a. Phone No. *(include area code)* **281-296-7222**

9. AFI Well No. **30-025-10090**

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At surface **660' FNL & 1980' FEL**
At top prod. interval reported below **3057'**
At total depth **3723'**

10. Field and Pool, or Exploratory **Pen Skly Gray;Eumont 7RvrQu**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 7-T22S-R37E 660' FNL, 1980' FEL**

12. County or Parish **Lea** 13. State **NM**

14. Date Spudded
15. Date T.D. Reached
16. Date Completed ☐ D & A ☐ Ready to Prod.
17. Elevations (DF, RKB, RT, GL)* **DF: 3446'**

18. Total Depth: MD **3723'** TVD
19. Plug Back T.D.: MD TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	7-5/8 J55	**26.4#**	**Surface**	**1157'**		**425 sks**			
	5-1/2	**17#**		**3643'**		**425 sks**		**2106'**	

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"	**3651'**							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	**Penrose Skelly Grayburg**	**3643'**	**3724'**	**Open hole 3643-3724'**			30-025-10090 DC1
B)	**Eumont; Queen**	**3448'**	**3605'**	**3448-3605'**		**52**	30-025-10090 DC2
C)	**Eumont; 7 Rivers**	**3057'**	**3402'**	**3057-3402'**		**122**	30-025-10090 DC3
D)							

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

Depth Interval	Amount and Type of Material
3448-3605'	**Acidized w/1500 gal. 15% HCL. Fraced w/50M lbs of 16/30 Brady Sand in 18,350 gals of 20 lb. gel.**
3057-3402'	**Acidized w/3500 gal. 15% anti sludge acid. Frac w/28000 gal Xlink gel and 58000# 16/30 Brady sand.**

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/08/2004	**06/15/2004**	**24**	→	**8**	**20**	**10**	**35.33**	**1211**	**Pumping**
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
		40	→	**8**	**20**	**10**	**2500**	**Producing**	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/08/2004	**07/23/2004**	**24**	→	**2**	**45**	**2**	**33.4**	**1271**	**Pumping**
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
		40	→	**2**	**45**	**2**	**22500**	**Producing**	

(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
NOV 10 2004
DAVID R. GLASS
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/08/2004	09/27/2004	24		5	83	3	33.4	1271	Pumping
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
		40		5	83	3	16600	Producing	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	

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

Sold

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Grayburg	**3583'**	**> TD**			
Queen	**3405'**	**3583'**			
7 Rivers	**2879'**	**3405'**			

32. Additional remarks (include plugging procedure):

MIRU Mesa Well Service workover rig. TOH w/rods, pump & tbg. Rig up Baker Atlas and run TDK log from 2600'-3620'. Evaluate log. Set 5-1/2" WL, set RBP at 3620'. Perf Queen 3448-3605' w/52 holes, .43" EHD, 1 JSPF. Acidize perfs w/1500 gal 15% NEFE. Swab test slight gas and trace oil. Frac interval w/17500 gal XLink gel + 50,000# 16/30 Brady Sand. Clean out w/foam unit. Place on production and test.

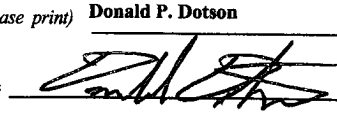
MIRU Mesa Well Service workover rig. TOH w/rods, pump & tbg. RU Computalog. Set RBP and dump sand. Perf 3057-3402' w/122 holes, .42" EHD. Acidize w/3500 gal 15% Anti Sludge Acid. Frac well w/28000 gal XLink gel + 58000# 16/30 Brady Sand. Clean out w/foam unit to 3617'. Latch RBP and POOH. Run prod tbg. Run 2-7/8" tbg w/ EOT @ 3651', SN @ 3615'. Run rods and pump. Put on production.

33. Indicate which itmes have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ 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)* **Donald P. Dotson** Title **COO**

Signature  Date **11/05/2004**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make 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.