

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. LC-030132(b)	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Zia Energy, Inc.		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P.O. Box 603, Hobbs, NM 88240		8. FARM OR LEASE NAME Cities Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface  At top prod. interval reported below  At total depth		9. WELL NO. 2	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT (Gas) Jalmat Yates Seven River	
15. DATE SPUDDED 11/11/83		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA 20-T22S-R36E	
16. DATE T.D. REACHED 11/16/83		12. COUNTY OR PARISH _____	
17. DATE COMPL. (Ready to prod.) 12/3/83		13. STATE _____	
18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 3551' RKB		19. ELEV. CASINGHEAD 3539'	
20. TOTAL DEPTH, MD & TVD 3881'		21. PLUG BACK T.D., MD & TVD PB 3430'	
22. IF MULTIPLE COMPL., HOW MANY* _____		23. INTERVALS DRILLED BY ROTARY TOOLS 0-3881 CABLE TOOLS _____	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3300' - 3363'		25. WAS DIRECTIONAL SURVEY MADE No.	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Comp. neutron, form. density, caliper		27. WAS WELL CORED No.	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	23#	376'	12 1/4"
5 1/2"	14#	3881'	7 7/8"
CEMENTING RECORD		AMOUNT PULLED	
210 SXS - Circ. 30		SXS to pit	
1st stg. 200 SXS-50-50		POZ	
2nd stg. 700 SXS circ		to surface	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
NONE			
SCREEN (MD)		30. TUBING RECORD	
		SIZE	DEPTH SET (MD)
		2 3/8"	3375'
		PACKER SET (MD)	
		NONE	
31. PERFORATION RECORD (Interval, size and number)			
3492' - 3678' (14 holes) - squeezed W/166 SXS cl "c" in formation)			
3300' - 3363' (12 holes)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3300' - 3363'		2500 gal 15% itcl	
		20,000 G G KCL wtr, 20,000	
		G CO <sub>2</sub> , 7700 # sand	
33. PRODUCTION			
DATE FIRST PRODUCTION 12/31/83	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping		WELL STATUS (Producing or shut-in)
DATE OF TEST 12/7/83	HOURS TESTED 24	CHOKE SIZE _____	PROD'N. FOR TEST PERIOD _____
FLOW. TUBING PRESS. 35	CASING PRESSURE 35	CALCULATED 24-HOUR RATE _____	OIL—BBL. 0.5
			GAS—MCF. 475
			WATER—BBL. 275
			GAS-OIL RATIO 950,000
			OIL GRAVITY-API (CORR.) 34.7
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to Petro Lewis			
35. LIST OF ATTACHMENTS FR - CN, FD, Cal. & deviation survey			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>M. J. Nelson</u>		TITLE <u>Engineer</u>	
		DATE <u>12/16/83</u>	

\* (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 or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions. All attachments should be 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.) should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. 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.) should be listed on this form, see Item 33.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Attachments: 1. State or Federal office for specific instructions.

**Item 16:** 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. Attachments: 1. State or Federal office for specific instructions.

**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 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 identifying 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 POROSITY ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRELATE 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	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Red Beds	0	1430'	Anhydrite	1430'	
Anhydrite	1430'	1650'	Top of Salt	1650'	
Salt & Anhydrite	1650'	3148'	Base of Salt	3148'	
Lime & Colomite	3148'	3296'	Yates	3296'	
Dolomite w/ Sand Stringers	3296'	3518'	Seven Rivers	3518'	
Dolomite & Lime	3518'	3881'			