

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. LC-030132(b)	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ESSE. ☐ - 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 660' FSL & 660' FWL At top prod. interval reported below At total depth Same				9. WELL NO. 2	
14. PERMIT NO.				DATE ISSUED	
15. DATE SPUDDED 11/11/83		16. DATE T.D. REACHED 11/16/83		17. DATE COMPL. (Ready to prod.) 12/3/83	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3551' RKB		19. ELEV. CASINGHEAD 3539'		10. FIELD AND POOL, OR WILDCAT (Gas) Jalmart Yates Seven River	
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 →		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.		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 20-T22S-R36E	
12. COUNTY OR PARISH					
13. STATE					
28. CASING RECORD (Report all strings set in well!)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8 5/8"		23#		376'	
5 1/2"		14#		3881'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12 1/4"		210 SxS - Circ. 30		SxS to pit	
7 7/8"		1st stg. 200 SxS-50-50		POZ	
		2nd stg. 700 SxS circ		to surface	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
NONE					
SACKS CEMENT*		SCREEN (MD)		TUBING RECORD	
				SIZE	
				2 3/8"	
				DEPTH SET (MD)	
				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% HCl			
		20,000 G G KCL wtr, 20,000 G CO ₂ , 77000# sand			
33.* PRODUCTION					
DATE FIRST PRODUCTION 12/1/83		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	
FLOW. TUBING PRESS. 35		CASING PRESSURE 35		CALCULATED 24-HOUR RATE →	
OIL—BBL. 0.5		GAS—MCF. 475		WATER—BBL. 275	
OIL GRAVITY-API (CORR.) 34.7		OIL—BBL. 0.5		GAS—MCF. 475	
WATER—BBL. 275		OIL GRAVITY-API (CORR.) 34.7		TEST WITNESSED BY	
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)

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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 and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

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.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

Item 18: 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.

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 producing 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 identified, 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 WELL'S ZONES: 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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Red Beds	0	1430'		Anhydrite	1430'	
Anhydrite	1430'	1650'		Top of Salt	1650'	
Salt &				Base of Salt	3148'	
Anhydrite	1650'	3148'		Yates	3296'	
Lime &				Seven Rivers	3518'	
Colomite	3148'	3296'				
Dolomite w/	3296'	3518'				
Sand Stringers						
Dolomite &						
Lime	3518'	3881'				