

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. SF 078502A	
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 Lively Exploration Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 234, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Lively	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 900' FNL - 900' FWL At top prod. interval reported below At total depth		9. WELL NO. 4	
14. PERMIT NO.		DATE ISSUED MAY 14 1973	
15. DATE SPUDDED 2-4-73		16. DATE T.D. REACHED 2-16-73	
17. DATE COMPL. (Ready to prod.) 4-21-73		18. ELEVATIONS (DF, RKB, ET, GR, ETC.)* 6359' GR - 6371' RKB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 7575'	
21. PLUG, BACK T.D., MD & TVD 7528'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		ROTARY TOOLS 0-7575'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7306' - 7528' Dakota		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Induction and Densilog		27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	32.30#	204.93' RKB	13-3/4"
7"	20#	3350' RKB	8-3/4"
4-1/2"	10.5 & 11.6#	7580' RKB	6-1/4"
CEMENTING RECORD		AMOUNT PULLED	
150 sacks		None	
600 cu. ft.		None	
600 cu. ft.		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)		
1-1/4"	7503' RKB		
31. PERFORATION RECORD (Interval, size and number)			
7306-22', 7407-12', 7439-45', 7466-70', 7473-78', 7508-12', 7515-18', 7520-28'. 2 jets/ft.			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
		See completion report for detailed frac information.	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
		Flowing	
DATE OF TEST		HOURS TESTED	
5-4-73		3	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
3/4"		→	
OIL—BBL.		GAS—MCF.	
		3163 AOF	
WATER—BBL.		OIL GRAVITY-API (CORR.)	
FLOW. TUBING PRESS.		CASING PRESSURE	
2248 SI		2371 SI	
CALCULATED 24-HOUR RATE			
→			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY Herman McAnally			
35. LIST OF ATTACHMENTS None			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records Original signed by T. A. Dugan.			
SIGNED Thomas A. Dugan		TITLE Engineer	
DATE 5-9-73			

*(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 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 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.

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: "Sack's 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 POROUS 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	MEAS. DEPTH	TRUE VERT. DEPTH
				<u>Log Tops</u>		
				Cliff House	4685'	
				Menefee	4848'	
				Point Lookout	5250'	
				Mancos	5453'	
				Gallup	6475'	
				Greenhorn	7212'	
				Graneros	7268'	
				Dakota	7306'	