

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	Other ☐				
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐	
2. NAME OF OPERATOR Sun Exploration & Production Company								
3. ADDRESS OF OPERATOR P.O. Box 1861, Midland, Texas 79702								
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit Letter H, 2080 FNL & 600 FEL At top prod. interval reported below At total depth								
14. PERMIT NO.				DATE ISSUED 1/31/86		12. COUNTY OR PARISH Lea		13. STATE NM
15. DATE SPUDDED 12/18/86	16. DATE T.D. REACHED 3/4/87	17. DATE COMPL. (Ready to prod.) 3/10/87	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3952.3 GR 3970 KB		19. ELEV. CASING HEAD			
20. TOTAL DEPTH, MD & TVD 13740	21. PLUG, BACK T.D., MD & TVD 13055	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS X	CABLE TOOLS			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 12955-12970 Atoka						25. WAS DIRECTIONAL SURVEY MADE		
26. TYPE ELECTRIC AND OTHER LOGS RUN Borehole Sonic, DLL-MSFL, CNL-LDT, Dipmeter, BHC-Sonic DLL-GR, CNL-LDT GR						27. WAS WELL CORED NO		
28. CASING RECORD (Report all strings set in well)								
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED		
13-3/8	54.5#	404	17½	425 sks		110 sks		
8-5/8	32#	5280	11	2400 sks Lite & C		445 sks		
5½	17 & 20#	13349	7-7/8	2150 sks "H", 50-50 poz		TOC 5300 TS		
3½	9.3#	Liner	4-5/8					
29. LINER RECORD				30. TUBING RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
3½	13182	13730	100 sks H			None		
31. PERFORATION RECORD (Interval, size and number) 13638-13643 (2 JSPF, 3.4 gram, 9 holes) 13540-13544, 13446-13452, 13482-13500, 13394-13397, 13359-13364 (2 JSPF, 6.5 gram, 67 holes), CIBP @ 13075 w/20' cmt on top. PBTD 13055, 12955-12970 (4 JSPF .58 EHD, 32 G) 57 holes Atoka				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 13,359-13,643 AMOUNT AND KIND OF MATERIAL USED Acidiz'd w/ 10,000 g/s 10% HCL				
33. PRODUCTION DATE FIRST PRODUCTION 4/15/87 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing - gas well WELL STATUS (Producing or shut-in) SI								
DATE OF TEST 4/16/87	HOURS TESTED 24	CHOKE SIZE 25/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. CARLSBAD, NEW MEXICO	GAS—MCF. SJS	WATER—BBL.	GAS-OIL RATIO 12620/1	
FLOW. TUBING PRESS. 4670#	CASING PRESSURE PKR	CALCULATED 24-HOUR RATE →	OIL—BBL. 696 BC	GAS—MCF. 8.784 MMCFD	WATER—BBL. 0	OIL GRAVITY-API (CORR.) 52.1 @ 60 F		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas contract now under negotiation (Cal. AOF 57.209 MMCFD)								
35. LIST OF ATTACHMENTS Inclination Report, C-122, C-123								
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records								
SIGNED Maria L. Perez		TITLE Associate Accountant			DATE 5/20/87			

*(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 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	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Morrow	13325	13659	Rustler Salt B/salt Yates Seven Rivers Queen B/Penrose Premier San Andres Delaware Mtn.GRP Bone Spring 1st. B.S. Sand 2nd. B.S. Sand 3rd. B.S. Sand Wolfcamp Strawn Atoka Atoka Clastics Atoka "C" Morrow (Middle) Morrow (Lower) Chester	1685 1800 2995 3197 3645 4362 4658 5217 5228 6426 7310 8640 9283 10051 10241 12324 12504 12666 12954 13325 13554 13659	
Atoka	12954	12970			
Bone Spring	7310	8640			
Sandstone lenses interbedded with shale. Perforations 13359-13364; 13394-13397 13446-13452; 13482-13500; 13540-13544 13638-13644 slight gas blow after swab runs. Zone abandoned Sandstone. Perforations 12955-12970 IPF 8784 MCFPD & 696 BCPD calc. from 1 hour test 25/64" choke, FTP 4284 Limestone; DST.7751-785, tool open 1 hour. No recovery in pipe. Sample chamber recovered drilling mud IHP 3501 IFP 29-29 ISIP 57 FFP 29-29 FSIP 57 FHP 3487. Tool open 1 hour.					