

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.

45F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ RECEIVED

2. NAME OF OPERATOR
Sun Exploration & Production Co.

3. ADDRESS OF OPERATOR
P. O. Box 1861 Midland, TX 79702 SEP 29 '88

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface Unit Ltr 1905 FNL & 1780 FWL O. C. D.
At top prod. interval reported below 1775' 5" & 790' 1" W ARTESIA, OFFICE
At total depth 6192

5. LEASE DESIGNATION AND SERIAL NO.
NM 22634

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Mobil 22 Federal

9. WELL NO.
10

10. FIELD AND POOL, OR WILDCAT
Brushy Draw-Delaware

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 22, T-26-S, R-29-E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. PERMIT NO. DATE ISSUED
6/22/88

15. DATE SPUNDED 6/23/88 16. DATE T.D. REACHED 7/12/88 17. DATE COMPL. (Ready to prod.) 8/16/88 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 2876.0'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6192 21. PLUG, BACK T.D., MD & TVD 5650 CTBP 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY XX 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Cherry Canyon 4908-5421 25. WAS DIRECTIONAL SURVEY MADE? Yes 26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CCL 27. WAS WELL CORRED? No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
3 3/8	61	368	17	375 SXS C circled (SJS)	
3 5/8	24 & 32	2900	12 1/4	800 SXS Powlite/200 SXS	chred
5 1/2	14 & 15.5	6192	7 7/8	480 SXS Lite	
				100 SXS C, 235 SXS RFC	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE 2 7/8 DEPTH SET (MD) 4801 PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
See Attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
See Attachment

33.* PRODUCTION

DATE FIRST PRODUCTION 7/27/88 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 9 X 120' X 1 1/2" Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/19/88	24			35	30	216	857/1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
						37.7

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold TEST WITNESSED BY Don Mitchell

35. LIST OF ATTACHMENTS
Inclination

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED Du Ann Kemp TITLE Accountant

*(See Instructions and Spaces for Additional Data on Reverse Side)

SEP 29 1988
CARLSBAD, NEW MEXICO

25012UBRT2M1

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 83, 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	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Bell Canyon	2837	4908	Sandstones, Siltstones, & Shales	Ramsey Sd	2909	
Cherry Canyon	4908	5421	Sandstones, Siltstones, & Shales	MWJ Sd	5711	
Brushy Canyon	5421	NR	Sandstones, Siltstones, & Shales	Castle Sd	6080	

Attachment to Well Completion or Recompletion Report and Log
 Sun Exploration & Production Co.
 Mobil 22 Federal #10

31. Perforation Record

6091-6103	1 JSPF 4" Csg gun 13 holes 22.7 GC .43 EHD
5941-5988	1 JSPF 48 holes w/ 4" csg gun 22.7 gram .43 EH
5728-5770	1 JSPF 43 holes w/ 4" csg gun 22.7 gram .43 EH
4911-4990	1 JSPF 80 holes w/ 4" csg gun 22.7 gram .43 EH

Set CIBP at 5650 Pump 25 SXS on top

32. Acid, Shot, Fracture, Cement Squeeze

<u>Depth Interval</u>	<u>Amount</u>
6091-6103	Acidz w/ 500 gals 7-1/2% NEFE HCl acid w/ 20 RCNBS
6091-6103	Frac w/ 10,000 gals Ultra Frac RXL-3 w/ 20,000# 20/40 SD flush w/ 2% KCL Max SD Conc 4 PPG
5941-5988	Acidz w/ 2000 gals 7-1/2% NEFE w/ 75 RCNBS
5728-5770	Acidz w/ 2000 gals 7-1/2% NEFE w/ 75 RENBS
5728-5770	Frac w/ 20,000 gal Ultra Frac RXL-3 w/ 45,000# 20/40 sand flush w/ 2% KCL Max SD conc 4 PPG
4911-4990	Acidz w/ 4000 gals 7-1/2% NCFC HCl & 100 RCN BS
4911-4990	Frac w/ 40,000 gal Ultra Frac RXL-4 & 68,000# 20/40 sand & 24,000# 20/40 super sand BDP 3500#

RECEIVED

SEP 29 '88

WELL NAME AND NUMBER Mobil "22" Federal #10

LOCATION 790' FWL & 1775' FSL, Section 22, T26S, R29E

O. C. D.

OPERATOR Sun Exploration and Production Co. ✓

ARTESIA, OFFICE RECEIVED
MIDLAND

DRILLING CONTRACTOR V & B Drilling Company

JUL 15 1988

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees and Depth	Degrees and Depth	Degrees and Depth
$\frac{1}{2}^{\circ}$ 526'	$1\frac{1}{4}^{\circ}$ 3750'	
$\frac{3}{4}^{\circ}$ 739'	$1\frac{1}{2}^{\circ}$ 4043'	
1° 991'	$1\frac{1}{4}^{\circ}$ 4450'	
$\frac{1}{2}^{\circ}$ 1251'	$1\frac{1}{4}^{\circ}$ 4738'	
$\frac{3}{4}^{\circ}$ 1431'	$1\frac{1}{2}^{\circ}$ 5118'	
1° 1621'	$1\frac{3}{4}^{\circ}$ 5527'	
$\frac{3}{4}^{\circ}$ 1884'	$1\frac{1}{2}^{\circ}$ 5872'	
$\frac{3}{4}^{\circ}$ 2161'	$1\frac{1}{4}^{\circ}$ 6180'	
1° 2452'		
$1\frac{1}{4}^{\circ}$ 2635'		
$1\frac{1}{4}^{\circ}$ 2900'		
$1\frac{1}{4}^{\circ}$ 3019'		
$\frac{3}{4}^{\circ}$ 3304'		

DRILLING CONTRACTOR V & B Drilling Company

BY Laura MooneySubscribed and sworn to before me this 13 day of July 1988

My Commission expires:

March 5, 1990
Frances Hanson
 Notary Public Frances Hanson
 Ector County, Texas