

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

TE\*  
(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 18042

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sotol Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

*S. Land Charles Lawrence  
Wildcat*

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 12, T24S-R31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

ACCEPTED FOR RECORD

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. RESV.  Other \_\_\_\_\_

JUN 25 1981

2. NAME OF OPERATOR

THE SUPERIOR OIL COMPANY

U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

3. ADDRESS OF OPERATOR

P.O. Box 4500 The Woodlands, Texas 77380

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1980' FNL & 1980' FWL

At top prod. interval reported below

At total depth

JUN 29 1981

14. PERMIT NO.

DATE ISSUED

8-19-80

15. DATE SPUDDED

9-29-80

16. DATE T.D. REACHED

1-12-81

17. DATE COMPL. (Ready to prod.)

3-24-81

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

GL-3526, KB 3557.5

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

15.620

21. PLUG, BACK T.D., MD & TVD

14,460

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Atoka (14,174' - 14,363')

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR. CCL. CBL. VDL.

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30"		40'			
20"	94#	660'	26"	1450 sxs class 'C'	
13-3/8"	54.5#	4530'	17-1/2"	2700 sxs Lite & 500 'C'	
9-5/8"	47#	12602'	12-1/4"	865 sxs class 'H'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7-5/8"	12,323	14,748	900 SXS	
5"	14,509	15,618	255 SXS	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	13,700	13,700

31. PERFORATION RECORD (Interval, size and number)

~~Morrow 14,997' - 15,060' OA~~  
Atoka 14,174' - 14,363' w/2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<del>14,997 - 15,060</del>	<del>Acidize w/8000 gal MSR 100</del>
<del>14,997 - 15,060</del>	<del>Frac w/48,000 g Y-F-400-4 @</del>
<del>14,997 - 15,060</del>	<del>CIBP @ 14,450 w/8 sxs cmt. 67500</del>
14,174 - 14,363	Acidize w/12,000 g 20% HCl SD.

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5-2-81		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-2-81	24	16/64	→	0	3452	2.6	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
2290	500	→	0	3452	2.6		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

*L.H. Bonot*  
L.H. Bonot

TITLE Prod. Engr. Supvr.

U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO 16-81

**RECEIVED**  
JUN 19 1981

\*(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 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: "Stacks Comment":** 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:		38. GEOLOGIC MARKERS	
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			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			MRAS. DEPTH
			TOP
			TRUE VERT. DEPTH
Lamar	4,557		
Bell Canyon	4,586		
Cherry Canyon	5,467		
Brushy Canyon	6,706		
Bone Spring	8,348		
III Bone Spring	11,408		
Wolcamp	11,635		
Pemo-Penn	13,236		
Lower Strawn	13,738		
Upri Atoka	13,872		
Lower Atoka	14,250		
Upper Morrow	14,521		
Middle Morrow	14,882		
Lower Morrow	15,396		