

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. NM-17446 <u>SRM1221</u>	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR The Superior Oil Company				7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P. O. Box 71, Conroe, Texas 77301				8. FARM OR LEASE NAME Government "L" Com.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FEL & 1980' FNL of Section 18 At top prod. interval reported below At total depth				9. WELL NO. 1	
14. PERMIT NO. _____ DATE ISSUED July 11, 1977				10. FIELD AND POOL, OR WILDCAT Undesignated Bell Lake, South <u>R-5781</u>	
15. DATE SPUNDED 10-3-77				11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec. 18 - T24S-R34E	
16. DATE T.D. REACHED 3-5-78		17. DATE COMPL. (Ready to prod.) 5-26-78		12. COUNTY OR PARISH Lea	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* RKB:3607.5' GL:3576		19. ELEV. CASINGHEAD 3576'		13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 17625		21. PLUG, BACK T.D., MD & TVD 14590		22. IF MULTIPLE COMPL., HOW MANY* - - - -	
23. INTERVALS DRILLED BY → 0-17625		24. ROTARY TOOLS -		25. CABLE TOOLS -	
26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Top: 14268' Bottom: 14284' Morrow				27. WAS DIRECTIONAL SURVEY MADE No	
28. TYPE ELECTRIC AND OTHER LOGS RUN CNL-FDC, DLL, DIL, BHC-Sonic, PML				29. WAS WELL CORED No	
25. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30" OD	118.65	80'	36"	4 cu yds concrete	None
20" OD	94	600	26"	960 sxs	None
13-3/8" OD	72,68,61,54.5	5400	17-1/2"	3971 sxs	None
10-3/4" OD	55.5,60.7	13000	12-1/4"	500 sxs	None
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
7-5/8" OD	12808	15301	825	- -	
5, 23.2#	15092	17624	200	- -	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
3-1/2"	13962	13940			
31. PERFORATION RECORD (Interval, size and number)					
Morrow Sanc: 14268'-14284' w/4 Jets/ft. ID of Holes .43" Total of 64 Holes					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
14268-14284					
33. PRODUCTION					
DATE FIRST PRODUCTION 5-26-78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut-in
DATE OF TEST 5-29-78	HOURS TESTED 1-1/2	CHOKE SIZE 24/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. -	GAS—MCF. 4500
WATER—BBL. 0	GAS-OIL RATIO Gas Well				
FLOW. TUBING PRESS. 1900	CASING PRESSURE 0-Pkr	CALCULATED 24-HOUR RATE →	OIL—BBL. -	GAS—MCF. 4500	WATER—BBL. 0
OIL GRAVITY-API (CORR.) -					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented while flowing to clean up					
35. TEST WITNESSED BY A. B. Taylor					
36. LIST OF ATTACHMENTS Logs					
37. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Billut J. Key</u>		TITLE Senior Engineering Assistant		DATE June 27, 1978	

STORM CROKE

*(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 13: 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) and bottom(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Red Beds, Sd	0	604	FOR TEST INFORMATION SEE ATTACHMENT	Bone Springs	10676
Red Beds, Anhy	604	1235		Strawn	13010
Salt, Anhy	1235	3682		Atoka	13210
Anhy, Lm	3682	3815		Morrow	13961
Anhy, Salt, Lm	3815	4765		Miss. Lime	15183
Lm, Sd	4765	5400		Devonian	15853
Lm, Sh, Sd	5400	6615		Fusselman	17088
SS, Sh	6615	7386			
Sh, Lm, Sd	7386	8955			
Sh, Lm, Chert	8955	9980			
Sh, Lm, Sd	9980	10240			
Sh, Lm	10240	13204			
Lm	13204	13279			
Sh, Lm, Sd	13279	14346			
Sh	14346	14653			
Sd, Sh, Lm	14653	14734			
Sh, Lm	14734	15192			
Lm	15192	15615			
Do1o	15615	15900			
Lm, Do1o	15900	16290			
Do1o	16290	17080			
Lm, Do1o	17080	17200			
Do1o	17200	17625			

ATTACHMENT TO FORM 9-330

THE SUPERIOR OIL COMPANY
GOVERNMENT "L" COM. NO. 1
UNDESIGNATED - BELL LAKE, SOUTH
LEA COUNTY, NEW MEXICO
SEC 18 - T24S-R34E

37. SUMMARY OF POROUS ZONES:

DESCRIPTION, CONTENTS, ETC.

OHDST #1 ATOKA (12-27-78)

OPEN-HOLE 13809-13934', 4000' FW cushion, tool open 2 hrs w/strong blow w/4 psig at end. Rec 4000' WC & 744' gas-cut mud. IBHFP: 2033#, FBHFP: 2098#, BHCIP: 6889#.

OHDST #2 MORROW (1-4-78)

OPEN-HOLE 14220-14286', 4000' FW cushion, tool open 5 mins w/strong blow w/5 psig at end. Closed tool & pkr failed in 2 mins. POH, rec 4000' WC, 837' wtr & gas-cut drlg fluid, 1272' brackish SW, 1321' gas-cut drlg mud. IBHFP: 4189#, FBHFP: 4607#, BHCIP: 8767#.

OHDST #3 DEVONIAN (2-10-78)

OPEN-HOLE 15970-15992', 5000' FW cushion, tool open 1-1/2 hrs w/weak blow w/0# psig. IBHFP: 2227#, FBHFP: 2259#, BHCIP: 2324#.

OHDST #4 DEVONIAN (2-24-78)

OPEN-HOLE 16080-16361', 3500' FW cushion, tool would not open.

OHDST #5 DEVONIAN (2-26-78)

OPEN-HOLE 16069-16361', 3500' FW cushion, tool open 2 hrs w/max of 45 psig in 35 mins & decreased to 0# at end. Rec. 3500' WC & 11420' salt wtr. No pressure bombs run.

ADDITIONAL TESTS

DST #1 FURSEMAN (3-22-78/4-1-78)

Perfs 17020-17309' O/A (188 Holes). Hole filled w/SW. Opened w/no flow. Jetted to btm w/N₂. No flow. Acidized w/12000 gals 15% DS-30, areated w/N₂. No flow. Jetted to 10000' w/N₂. Rec 850 bbls load wtr plus 187 bbls form wtr. No flow. Filled hole w/SW. Set BP at 17025' w/1 sx cmt on top.

DST #2 DEVONIAN (4-18-78/5-5-78)

Perfs 16154-16267' O/A (234 Holes). Hole filled w/SW. Opened w/1000# TP. Flowed 45 bbls SW & died. Jetted w/N₂ to 16400', rec total 4450 bbls SW. Well dead, no flow. Filled hole w/SW. Set BP at 16050' w/1 sx cmt on top.

DST #3 DEVONIAN (5-13-78/5-20-78)

Perfs 15984-15944' (50 Holes). Hole filled w/SW. Opened no flow. Jetted w/N₂ to 10000', rec total 1535 bbls SW. Well dead, no flow. Filled hole w/SW. Set BP at 15500' w/1 sx cmt on top.