

N.M.O.C.D. COPY

REF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLI 3\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

0.58

## 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 <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 10907A	
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 <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Southland Royalty Company ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1100 Wall Towers West, Midland, Texas 79701		8. FARM OR LEASE NAME Empire 34 Fed. Comm	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 1980 FEL, Sec. 34, T-18-S, R-29-E At top prod. interval reported below At total depth same		9. WELL NO. 1	
14. PERMIT NO.		DATE ISSUED JUL 24 1980	
15. DATE SPUDDED 5/12/80		16. DATE T.D. REACHED 6/23/80	
17. DATE COMPL. (Ready to prod.) 7/8/80		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3420' Gr	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 11,758'	
21. PLUG, BACK T.D., MD & TVD 11,645'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11,400' - 11,458" Morrow		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLI/MLL w/RXO, Comp. Density Comp. Neutron w/GR Caliper		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
11 3/4 "	42#	355'	15"
8 5/8 "	24 & 28#	3200'	11"
4 1/2 "	11,6,13,5#	11,758'	7 7/8"
CEMENTING RECORD			
325 SXS CL "C"			
1300 SXS CL "C"			
1350 SXS CL "H" & 50/50 Top Comt. @ 7565' by I.S.			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	11,311'	11,311'	
31. PERFORATION RECORD (Interval, size and number) 11,400' - 11,416' 11,436' - 11,458' 2 JSPF			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
11,400-11,458		Spot 150 gal. Acetic Acid	
33. PRODUCTION			
DATE FIRST PRODUCTION 7/8/80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) Shut In			
DATE OF TEST 7/4/80	HOURS TESTED 1	CHOKE SIZE 11/64	PROD'N. FOR TEST PERIOD →
OIL—BBL. 0	GAS—MCF. 80.75	WATER—BBL. 0	GAS-OIL RATIO 0
FLOW. TUBING PRESS. 3235 psi	CASING PRESSURE →	CALCULATED 24-HOUR RATE →	OIL—BBL. 0
GAS—MCF. 1938	WATER—BBL. 0	OIL GRAVITY-API (CORR.) 0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold (SI-WOPL)			
TEST WITNESSED BY Donnie Davis			
35. LIST OF ATTACHMENTS Electric Logs			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Donald R Craig		TITLE District Operation Engineer	
DATE 7/15/80			

\*(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 38, 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 38. 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 POROSITY 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	MEAS. DEPTH	TRUE VERT. DEPTH
Wolfcamp	8952'	8995'	DST #1: 15" Preflow. Open w/strong blow, 14# on 3/8" choke. 1 hr. ISI. Gas to surface in 18 min (3 min. to ISI). 1 hr. FF. MAX rate 190 MCFGD @ end of hr. 3 hr. FSI. Rec 120' GCDM & 220' Oil Sampler 350#. Rec. 9.002 CFG & 500 CC Oil. 1380 F, IH 4158# IF131 - 152# ISI 3588# FF 152 - 304# FSI 3544# FH 4158#  DST #2: 15 min Preflow; Open w/fair blow 7 min Max 162 MCFGD, 1 hr ISI, 1 hr. FF, open w/strong blow, 141 min, MAX rate 159 MCFGD, 3 hrs. FSI. Rev. out 100' oil and 1200' GCDM, IH 5115#, IF 141-163# ISI 4103#, FF 159-205#, FSI 4248#, FH 5088#. Sampler 170#, Rec. 1.75 CFG, 450cc oil; Temp 150°F	San Andres 2926'  1st Bone Spring 6845'  2nd Bone Spring 7706'  3rd Bone Spring 8594'  Wolfcamp 8913'  Cisco 9966'  Canyon 10,277'  Strawn 10,400'  Atoka 10,575'  Morrow 10,898'		