COPY TO O. C. C.

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM 0997

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

8. FARM OR LEASE NAME: Federal "21" Comm

2. NAME OF OPERATOR: Southland Royalty Company

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: 1100 Wall Towers West, Midland, Texas 79701

10. FIELD AND POOL, OR WILDCAT: Undesignated Bone Spring

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1980' FSL & 660' FWL Sec 21, T-18-S, R-33-E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 21, T-18-S, R-33-E

At top prod. interval reported below: same

At total depth: same

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: Lea | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5-19-80	7-21-80	10-10-80	3830' GR	---

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
13,646'	10,965'			0-TD	

RECEIVED
OCT 29 1980
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 9,030' - 9,052' Bone Spring

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL/FDC w/GR - Caliper, DLL w/RXO

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"	48#	396'	17 1/2"	400 sxs Cl "C" w/2% cc	Circ 65 sxs
8 5/8"	24,28,32#	5110'	11"	550 sxs DV tool @ 2989'	Circ 152 sxs
				1100 sxs thru DV tool	Circ 10 sxs
5 1/2"	17 & 20#	13,620'	7 7/8"	1145 sxs HLW & Cl "H" (Top of cmt @ 7970' by temp survey)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	9042'	9002'

31. PERFORATION RECORD (*Interval, size and number*)

See Attached Supplement

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attached Supplement	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
10-10-80	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-13-80	24	---	→	107	---	30	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
---	---	→	107	---	30	37.86

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): N/A

TEST WITNESSED BY: Donny Davis

35. LIST OF ATTACHMENTS: Electric Logs

ACCEPTED FOR RECORD
PETER W. CHESTER
NOV 4 1980
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

SIGNED C C Dawson TITLE District Operations Engineer DATE 10-24-80

*(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 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Bone Spring	9034	9067	15" preflow, good blow. 60" 131 P, GTS 29" 180" FSIP. Rec 2.6 BO + 3.4 BW Sampler: 7 lbs press.,04 CFG, 1875cc Oil, 475cc water. IFP 88-128, FFP 308-319, 60" 131P 3709#, 180" FSIP 3582# BHT 132°
Wolfcamp	11,186	11,257	15" preflow, strong blow, GTS 12", 100# Max SFP, calc. 160 MCFGPD. Rev. out 1600' oil. Sampler: 360 lbs pressure, 4.7 CFG, 550cc Oil IFP 205#, FFP 522, 60" ISIP 3981#, 120" BHT 154°

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
San Andres	5178	
Top Bone Springs	7643	
1st Bone Springs	9150	
2nd Bone Springs	9506	
3rd Bone Springs	10,024	
Wolfcamp	10,450	
Strawn	11,972	
Atoka	12,485	
Morrow	12,728	

*GPO 782-929

SUPPLEMENT TO
9-330

PERFORATIONS:

Perf: w/1 JSPF from: 13,285' - 13,294'
13,326' - 13,329'
13,457' - 13,468'
13,506' - 13,511'

Perf: w/1 JSPF from: 13,137' - 13,144'

PB @ 12,965' w/CIBP & 35' cmt.

Perf: w/1 JSPF from: 11,117' - 11,121'
11,125' - 11,128'
11,134' - 11,146'
11,175' - 11,189'
11,210' - 11,219'
11,298' - 11,304'
11,333' - 11,361'

PD @ 10,965' w/CIBP & 35' cmt

Perf: w/1 JSPF from: 9,030' - 9,052'

ACID JOB

Depth:	Amount & Type:
13,285' - 13,511'	Spot 300 Gals 10% Acetic Acid Acdz w/3500 Gal 7 1/2% MS Acid
13,137' - 13.511'	Pmp 500 Gals 10% Acetic Acid & 27 BBL 2 % KCL water. Acdz w/4000 Gal 7 1/2% MS Acid w/138,000 SCF Nitrogen

PB @ 12,965' w/CIBP & 35' cmt

11,117' - 11,361'	Spot 300 gals 10% Acetic Acid Double inhibited. Pmp 300 Gals 15% DS 30 Acid over perfs. + 300 Gal Acetic Spotted previously. Acdz w/12,000' Gal 15% NE Acid.

PB @ 10,965' w/CIBP & 35' cmt.

9,030' - 9052'	Spot 200 Gal 10% Acetic Acid Pmp 200 gal 10% Acetic Acid Acdz w/4500 Gal 15% NE Acid