

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.

5. LEASE DESIGNATION AND SERIAL NO.

LC 062404

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Empire, Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

North Turkey Creek
Undesignated (Morrow)

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

11-4

Sec. 20, T-18-S, R-29-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *
RECEIVED1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

DEC 17 1980

2. NAME OF OPERATOR

Southland Royalty Company

O. C. D.

3. ADDRESS OF OPERATOR

ARTESIA, OFFICE

1100 Wall Towers West, Midland, Texas

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

At surface

1980' FNL & 660' FEL; Sec. 20, T-18-S, R-29-E

At top prod. interval reported below

1980' FNL & 660' FEL, Sec. 20, T-18-S, R-29-E

At total depth

SAME

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

9-15-80

10-28-80

11-8-80

3529.6 GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

11,355

11,160

0 - TD

11,093 - 11,116' Morrow

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL w/RXO; CNL-FDC-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	CEMENTING RECORD	AMOUNT PULLED
11 3/4"	42#	255'	15"	250 sxs + 4 yd RdMix down	back side to sur
8 5/8"	24#	3,200'	11"	1500 sxs Lite wt & Cl "C" Circ	100 sxs
4 1/2"	11.6 & 13.5#	11,335'	7 7/8"	1250 sxs Lite wt Cmt DV @	Circ 75 sxs 1 sta
				7803' - Open DV cmt w/775	TOC @ 4970 by

29. LINER RECORD SXS C1 "H" TUBING RECORD Temp Survey

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	10,987'	10,970'

31. PERFORATION RECORD (Interval, size and number)

1 JSPF 11,093 - 11,116;

21 Holes Total

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11,093-11,116'	Spotted 250 gal 10% Acetic Acid

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-10-80		Flowing				SI (WOPL)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-10-80	1 hr	20/64	→	.0208	52.08	.0208	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1950		→	1/2	1250	1/2	57.8	

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

TEST WITNESSED BY

Wayne Grubbs

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

C. C. Parsons

TITLE District Operation Engineer

DATE 12-4-80

*(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.	38. GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Bone Spring	6242'	6287'	15 min IF - Weak Blow. 1 hr ISI.	T/Salt	250
			1 hr FF - Weak Blow. 1 1/2 hr FSI	B/Salt	800
			Rec. 30' Dr1 Mud. IH-2795#	Yates	1,050
			IF - 27#. FF - 27#. FSI - 18#	Queen	1,975
			FH - 2795#. Sampler No Press.	Grayburg	2,350
Bone Spring	6551'	6596'	Rec. 2100 cc wtr. Temp 112° F.	San Andres	2,814
			15 min. IF - Fair Blow. 1 hr ISI.	1st Bone Spring	6,516
			1 hr FF - Weak Blow & Died. 1 1/2 HR FSI	2nd Bone Spring	7,442
			Rec. 40' Dr1 Mud & 3' Oil. Sampler 35#	3rd Bone Spring	8,272
			Press. Rec. 14 CFG, 950 cc oil (39.9 Gravity	Wolfcamp	8,480
Morrow	10,736'	10,790'	633 cc wtr. Temp 114° F. IH - 2913#	Cisco Canyon	9,616
			IF - 57#. ISI 263#. FF-57#. FSI	Strawn	10,074
			500#. FH - 2933#	Atoka	10,390
			15 min. IF - Weak to Fair blow, 1 hr ISI,	Morrow Lime	10,688
			1 hr FF Fair Blow. 3 hr FSI. Rec 65' Dr1	Morrow "A"	10,912
			Mud. IH 5778#. IF - 69# ISI 517#	Morrow "E"	11,052
			FF 34#. FSI 2545# FH 5744#		
			Sampler 35#. Rec 2000 cc Dr1 Mud.		
			Temp 200° F.		