

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIPT
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on reverse
side)

BLM Roswell District
Modified Form No.
NM060-3160-4

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. NM-0997
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
		7. UNIT AGREEMENT NAME
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. FARM OR LEASE NAME WEST CORBIN FEDERAL
2. NAME OF OPERATOR SOUTHLAND ROYALTY COMPANY		9. WELL NO. 28
3. ADDRESS OF OPERATOR P.O. Box 51810, Midland, TX 79710-1810	3a. AREA CODE & PHONE NO. 915-688-6906	10. FIELD AND POOL, OR WILDCAT SOUTH CORBIN (WOLFCAMP)
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface A, 660' FNL & 810' FEL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 17, T-18-S, R-33-E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3899' GR	12. COUNTY OR PARISH LEA
		13. STATE N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) SCALE CLEANOUT & REMEDIAL SQZ <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

KILL WELL WITH 2% KCL WATER. COLLECT SCALE SAMPLES AND GIVE TO TRETOLITE FOR ANALYSIS. RIH W/BIT & SCRAPER TO PBTD 11,430'. TEST LINES TO 6500 PSI & PRESSURE TEST RBP/TBG TO 6000 PSI. RELEASE PKR & PU TO 10,930'. SPOT 260 GALLONS OF PETRO SOL X-25 AND DISPLACE TO THE TOP PERFORATION WITH +120G OF 2% KCL WATER. FISH SPOT CONTROL VALVE. TEST SURFACE LINES TO 6200 PSI. PUT 1000 PSI ON THE BACK SIDE AND MONITOR THOUGHOUT THE JOB. PUMP 5000 GLS OF 15% NEFE HCL WHILE SPACING OUT 315 7/8" RCNBS. SWAB WELL.

KILL WELL W/2% KCL WTR. PUMP TEST WELL FOR 5-7 DAYS AND REPORT VOLUMES. IF THE PRODUCED WATER VOLUME IS UP SIGNIFICANTLY, PROCEED WITH THE PROCEDURE. MIRU WIRELINE UNIT. SET CIBP @+10,510'. SHOOT 8 SQUEEZE HOLES FROM 10,470'-10,471', 4 SPF, TOTAL 8 HOLES. SET CMT RET AT +10,370'. CIRC HOLE WITH 2% KCL WTR. SQZ PERFS W/10 BBLs OF FRESH WATER FOLLOWED BY 75 SXS OF MIRO MATRIX CEMENT, THEN 75 SXS OF PREMIUM CEMENT CLASS H. SHUT IN WELL FOR 24 HOURS. DRILL RETAINER AT 10,370'. CONTINUE IN HOLE TO 10,500'. PRESSURE TEST TO 1000 PSI. IF SQUEEZE INTEGRITY IS SATISFACTORY, DRILL CIBP AT +10,510'. CONTINUE IN HOLE TO PBTD AT 11,430'. SWAB TEST WELL. IF FLUID ENTRY IS LIMITED, MIRU STIMULATION COMPANY. STIMULATE THE WOLFCAMP W/5000 GLS 15% NEFE HCL, SPACE OUT 310 RCNBS. SWAB TEST WELL. TIH W/TBG AND ROD, PUT ON PRODUCTION.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE **PRODUCTION ASST.** DATE **3-12-92**

(This space for Federal or State office use)*

APPROVED BY _____ TITLE _____ DATE **3/23/92**
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 3160-4
(July 1989)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM Roswell District
Modified Form No.
NM060-3160-3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-0997	
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. RESER. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Southland Royalty Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 51810, Midland, TX 79710-1810		8. FARM OR LEASE NAME West Corbin Federal	
3a. AREA CODE & PHONE NO. 915-686-5600		9. WELL NUMBER 28	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FNL & 810' FEL At top prod. interval reported below At total depth		10. FIELD AND POOL, OR WILDCAT South Corbin (Wolfcamp)	
9a. API WELL NO. 30-025-31186		12. COUNTY OR PARISH Lea	
14. PERMIT NO.		13. STATE NM	
DATE ISSUED 2/27/91			
15. DATE SPUNDED 3/07/91	16. DATE T.D. REACHED 4/05/91	17. DATE COMPL. (Ready to prod.) 4/30/91	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3899' GR.
19. ELEV. CASINGHEAD 3899'			
20. TOTAL DEPTH, MD & TVD 11,500'	21. PLUG BACK T.D., MD & TVD 11,430'	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY ROTARY TOOLS
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 10,790'-11,392' (Wolfcamp)		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-MSFL, SDL-DSN		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	48	385'	17-1/2"
8-5/8"	28	2930'	12-1/4"
5-1/2"	17	11,500'	7-7/8"
		CEMENTING RECORD	
		400 sx-Circulated	
		1255 sx-Circulated	
		1st Stage: 675 sx-circ. D.V.	
		2nd Stage: 1500 sx.	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-7/8"	11,412'		
31. PERFORATION RECORD (Interval, size, and number)			
11,350'-11,392' 2 spf, 86 holes			
11,154'-11,246' 2 spf			
10,790'-10,916' 2 spf, 210 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
11,350'-11,392'		4200 Gal 15% NEFe HCl & 129 B.S.	
11,154'-11,246'		1500 Gal 15% NEFe HCl & 42 B.S.	
10,790'-10,916'		10,200 Gal 15% NEFe HCl & 315 B.S.	
33. PRODUCTION			
DATE OF FIRST PRODUCTION 5/04/91		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing/Pumping (2-1/2" x 1-1/4" x 36' RHBH)	
WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 5/05/91	HOURS TESTED 24	CHOKE SIZE 64/64"	PROD'N. FOR TEST PERIOD 300
OIL - BBL. 420	GAS - MCF. 442	WATER - BBL. 1400	GAS - OIL RATIO 1400
FLOW. TUBING PRESS. 20	CASING PRESSURE 20	CALCULATED 24 HOUR RATE 39.6	OIL GRAVITY - API (CORR.) 39.6
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold when connected to battery.			TEST WITNESSED BY
35. LIST OF ATTACHMENTS C-104, Logs, Inclination Survey, Plat			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Robert L. Bradshaw</u>		TITLE Sr. Staff Environmental Rep.	
DATE 13 May 1991			

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONING: (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).	38. GEOLOGIC MARKERS
FORMATION	NAME
TOP	BOTTOM
DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH
	TRUE VERT. DEPTH
	<div> <div>Rustler</div> <div>1465'</div> </div> <div> <div>Salt</div> <div>1620'</div> </div> <div> <div>Salt, base</div> <div>2240'</div> </div> <div> <div>Queen</div> <div>4274'</div> </div> <div> <div>San Andres</div> <div>4868'</div> </div> <div> <div>Bone Spring</div> <div>7048'</div> </div> <div> <div>Lower Leonard</div> <div>10,238'</div> </div> <div> <div>Wolfcamp</div> <div>10,778'</div> </div>