Form 3160-5
(July 1989)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING 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-26692

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Southland Royalty Company

8. FARM OR LEASE NAME: Huber "17" Federal

3. ADDRESS OF OPERATOR: 21 Desta Dr., Midland, TX 79705

3a. AREA CODE & PHONE NO.: 915-686-5600

9. WELL NO.: 4

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface: 660' FSL & 1980' FEL unit O

10. FIELD AND POOL, OR WILDCAT: South Corbin (Bone Spring)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 17, T18S, R33E

14. PERMIT NO.: 30-025-30787

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3854' GR.

12. COUNTY OR PARISH: Lea

13. STATE: NM

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				
(Other) Plug Back to Bone Spring			[X]	(Other)			

(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.)*

Abandon the South Corbin (Wolfcamp) and recomplete in the South Corbin (Bone Spring) following the attached procedure.

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

SIGNED Robert L. Bradshaw TITLE Sr. Staff Env./Reg. Spec. DATE 28 Feb. 1991

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 3-18-91

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

Huber 17 Federal #4
South Corbin Field
Lea County, New Mexico

Recompletion Procedure

1. MIRU pulling unit. Kill well with 2% KCl water. NU BOP. Release TAC and POOH with 2 7/8" production tubing.

   NOTE: Rods/pump have been pulled for transfer to Uncle Com. #3.

2. RU electric line. RU pack-off head on top of BOP. RIH with junk basket/gauge ring for 5 1/2" casing to 10300'. POOH. RIH with 5 1/2" CIBP and set at 10300'. POOH.

3. RU 3 1/2" x 40' dump bailer. RIH and dump bail 35' of cement on top of CIBP. POOH. Test casing to 1000 psi.

4. RU electric line to perforate. RIH with 4" casing guns and perforate the Upper Bone Spring Sand at 7330'-7346' (2 spf, 90° phasing, total 34 holes). POOH and RD electric line.

5. TIH with 5 1/2" treating packer, 2.25" SN, and 2 7/8" 6.5# N-80 tubing. Hydrotest tubing to 5000 psi while RIH. Spot 150 gallons of 7 1/2% NEFe HCl acid. PU to 7230'. Reverse remaining acid into tubing. Set packer at 7230'. NU stimulation valve.

6. MIRU stimulation company. RU surface lines and test to 5000 psi. Place 1000 psi on 2 7/8" x 5 1/2" annulus. Monitor throughout the job. Pump spot acid away and continue with 800 gallons of 7 1/2% NEFe HCl acid. Space out 50 RCNBS (sp gr = 1.3) throughout the job. Displace acid to bottom perforation with treated 2% KCl water. If ballout occurs, surge balls off perfs and continue with displacement.

Treating Rate	=	4-5 bpm
Treating Pressure	=	3000 psi
Maximum Treating Pressure	=	3850 psi

   RDMO stimulation company.

7. Swab test well to recover load water. Record rates/volumes/cuts. If fluid entry is limited, continue with fracturing procedure.

8. ND stimulation valve. Release packer and RIH through perforations. PU to 7200' and reset packer. NU stimulation valve.

679.4

9. MIRU stimulation company. RU surface lines and test to 5000 psi. Place 1000 psi on 2 7/8" x 5 1/2" annulus. Monitor throughout the job. Fracture stimulate the Upper Bone Spring sand perforations (7330'-7346', total 34 holes) according to the attached fracture stimulation schedule:

Fracture Fluid Type/Volume	=	18,000 35# Borate gel (delayed)
Proppant	=	42,000 lbs 20/40 ottawa sand
Treating Rate	=	10 bpm
Treating Pressure	=	3500 psi
Maximum Treating Pressure	=	4300 psi @ 0 bpm (90%)
	=	4650 psi @ 5 bpm
	=	5500 psi @ 10 bpm

   Flush stimulation to top perforation with treated 2% KCl water.

10. Shut well in to RD stimulation company and RU flowline. Leave well SI 4 hours. Flow well back on 8/64" choke to recover load water.

11. Kill well with treated 2% KCl water. ND stimulation valve. Release packer and POOH.

12. TIH with 2 7/8" tubing with notched collar. Clean out sand to 8000'. POOH.

13. TIH with production tubing as follows:

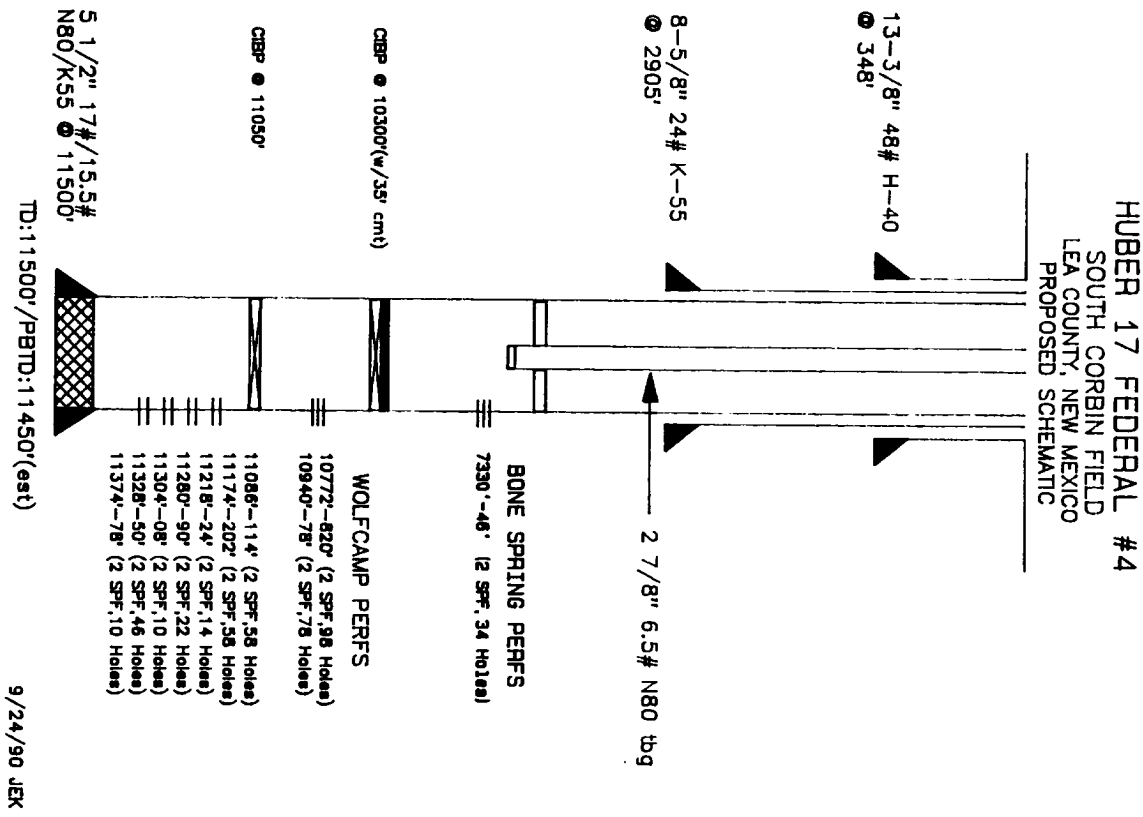
    - Bull plugged MA
    - Perforated sub
    - Mechanical SN (2.25" ID)
    - 2 joints of 2 7/8" 6.5# N-80 tubing
    - 5 1/2" TAC
    - ±7200' of 2 7/8" 6.5# N-80 tubing

    Set TAC with SN above perfs (±100'). ND BOP. NU pump tee. TIH with following rod string:

    - 2 1/2" x 1.25" x 24' RHBM pump
    - 5000' of 3/4" grade "D" steel sucker rods with FHSMC
    - 2200' of 7/8" grade "D" steel sucker rods with FHSMC

    NOTE: Verify rod design with actual test data prior to running rods. Pumping unit should be downsized from Lufkin M456-305-144.

    Hang rods on beam. Report production volumes to the Midland office. Sheave unit as required to keep well pumped off if possible. After 1-2 months, contact production engineer about lowering pump setting depth.



Huber 17 Federal #4
South Corbin (Wolfcamp) Field
Lea County, New Mexico

MECHANICAL DATA

Type Tubular:	OD (in)	ID (in)	Weight (#/ft)	Grade	Conn.	Depth (ft)	Collapse (psi)	Burst (psi)	Tensile (BPF)
Surface Casing	13 3/8	12.715	48	H-40	STC	348	770	1730	322
Intermediate Casing	8 5/8	8.097	24	K-55	STC	2905	1370	2950	263
Production Casing	5 1/2	4.892	17	K-55	LTC	0-1950	4910	5320	272
	5 1/2	4.950	15.5	K-55	LTC	1950-8450	4040	4810	222
	5 1/2	4.892	17	K-55	LTC	8450-10050	4910	5320	272
	5 1/2	4.892	17	N-80	LTC	10050-11500	6280	7740	348
Production Tubing (Proposed)	2 7/8	2.441	6.5	N-80	EUE	11400	11160	10570	145

KB = 17'
DV Tool @ 8011'
PBTD @ ±11450' (est)