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Form 9-331 C
(May 1963)JUN 28 1982 UNITED STATES
DEPARTMENT OF THE INTERIOR

O. C. D. GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

1100 Wall Towers West, Midland, Texas 79701

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

At surface

330' FNL & 330' FWL, Sec. 33, T-18-S, R-31-E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles SE of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

4620'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3604' DF

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8 5/8"	Unknown	700'	60 sx. in 1962
6 1/2"	5 1/2"	14#	3855'	300 sx. in 1962

5. LEASE DESIGNATION AND SERIAL NO.

LC-12211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shugart "B"

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Shugart (Y,SR,Q,G)

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

Sec. 33, T-18-S, R-31-E

12. COUNTY OR PARISH

Eddy

N.M.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

7-6-82

- MIRU PU.
- Establish pmp in rate & press. Release pkr & POH.
- RIH w/cmt ret on 2 7/8" workstring to + 2610'.
- Sqz Yates perfs 2666-76' & 2713-19' w/150 + sx Class "C" w/2% CaCl cmt stage in to +500 psi (NOTE: Frac ISIP in offsetting Yates wells - 1600 to 2100 psi). Pull out of ret & circ out excess cmt.
- POH w/tbg. RU reverse unit. RIH w/4 3/4" bit w/+4 DC's. Drill out ret & cmt to 3670'±.
- Press tst csg to 1000+ psi. Spot 200+ gal 15% HCl w/NEFE & inhibitor from 3618-3418'. POH w/bit.
- Perf Upper Penrose @ 3614-18' & 3572-98' & Middle Queen @ 3468-76' w/1 SPF (41 holes) using Lane Wells GR-N-CCL log run 3/62 for tie in. RIH w/pkr to 3370'± & set. Breakdown perfs by increasing press in 500 psi increments.
- Acidize pfs 3468-3618' w/3500 gal 15% HCl w/NEFE diverting w/62 BS dispersed evenly throughout @ +3 BPM. Max press = 2000 psi. Flush to btm pf. OVER

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED

TITLE District Operations Engineer

DATE 6/21/82

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY (Orig. Sgd.) PETER W. CHESTER

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

JUN 25 1982

SINGLE
ZONEMULTIPLE
ZONE

D

D

1982

1982

OR & GAS

U.S. GEOLOGICAL SURVEY

NEW MEXICO

79701

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

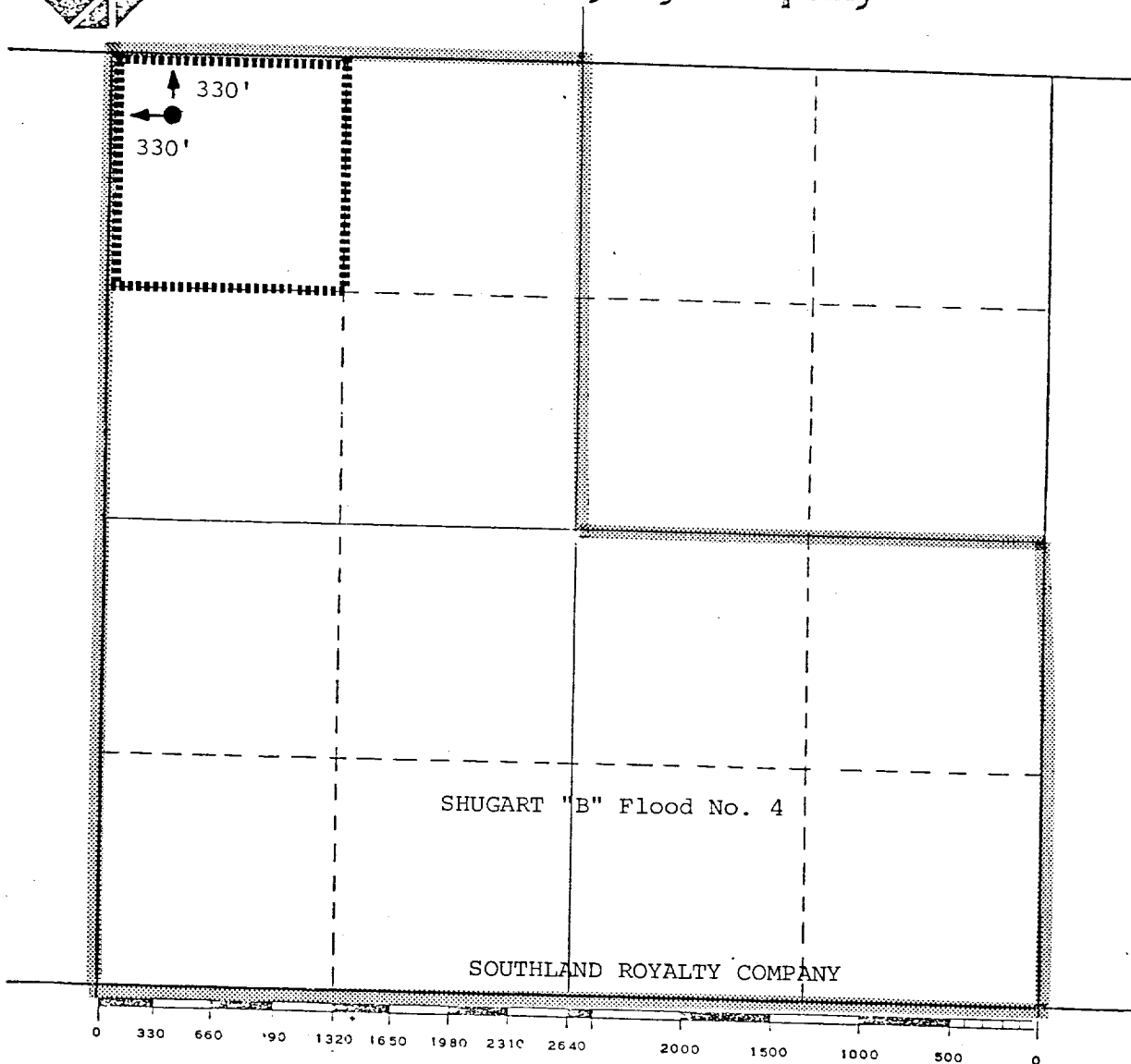
* GPO 782-931

9. Swab back load immediately. POH w/pkr. RIH w/straddle assembly. Isolate & swab tst perfs 3572-3618'. Have wtr & oil analyzed.
10. Isolate perfs 3468-76' & swab tst. Have wtr & oil analyzed.
11. POH w/straddle assembly.
12. Perf Upper Queen @ 3326-60' w/l SPF (35 holes). RIH w/BP & prk. Set BP @ +3400'. Spot +200 gal acid from 3360-3160'. Pull pkr to 3220'. Displace acid into tbq. Set pkr. Breakdown perfs in 500 psi increments.
13. Acidize perfs 3326-60' w/3500 gal 15% HCl w/NEFE diverting w/53 BS dispersed evenly @ +3 BPM. Max press = 2000 psi.
14. Swab back load immediately. Swb tst & evaluate. Have wtr & oil analyzed.
15. POH w/BP & pkr. Fracture treat well. (Frac design dependent on results of swb tests of each interval).
16. Swab back load & evaluate.

NM OIL CONS. COMMISSION
Lawer DD
Altesia, NM 88210



Southland Royalty Company



LEASE  PRORATION UNIT 

SCALE: 1" = 1000'

OPERATOR: Southland Royalty Company

FIELD: Shugart (Y,SR,Q,G)

LEASE: Shugart "B" #5

ACRES IN LEASE: 480

DESCRIPTION: 330' FNL & 330' FWL, Sec. 33, T-18-S, R-31-E

DATE: 6/21/82

C. Nokes

