

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

IL CONSERVATION DIVISIC
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

| | |
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5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | | |
|--|--|--------------------------------------|--|---|--|
| 1a. Type of Work | | | | 7. Unit Agreement Name | |
| b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | | 8. Farm or Lease Name Weatherly, W.W. | |
| 2. Name of Operator Sun Exploration & Production Company | | | | 9. Well No. 3 | |
| 3. Address of Operator P.O. Box 1861, Midland, TX 79702 | | | | 10. Field and Pool, or Wildcat Drinkard | |
| 4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 17 T20N-S 21-E R06E NWPM | | | | 12. County Lea | |
| 19. Proposed Depth - | | | | 19A. Formation Drinkard | |
| 20. Rotary or C.T. -- | | | | | |
| 21. Elevations (show whether DF, KT, etc.) 3483' GR | | 21A. Kind & Status Plug. Bond --- | | 22. Approx. Date Work will start Upon Approval | |

23. Existing PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|--------------|
| 10' 3/4 | 10-3/4 | 40.5# | 363 | 300 sks | Surf. |
| 7-5/8 | 7-5/8 | 26.4# | 2873 | 2000 sks | Surf. |
| 5-1/2 | 5-1/2 | 15.50# | 6655 | 500 sks | 2500 by T.S. |

Deepen within casing & test drinkard zone. Will file for exception to Rule 303A to downhole commingle the Penrose Skelly Grayburg and Drinkard Pools as soon as the Drinkard is tested.

Proposed Procedure

1. MIRU. POH W/ RODS & PUMP, LAYING DOWN RODS. NU BOP. DROP SV & TST TBG TO 1000 PSI. RLSE TAC & POH W/ TBG STRING.
2. RIH W/ 4-3/4" BIT & 6- 3-1/2" DC'S ON 2-7/8" N-80 OR L-80 WS. DRILL OUT BAKER MDL "N" BRIDGE PLUG AT 3890'. POH. RIH W/4-3/4" BIT & 5-1/2" CSG SCRAPER ON WS TO 4200'. POH.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Maria L. Perez Title Associate Accountant Date 3/25/87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE MAR 30 1987

CONDITIONS OF APPROVAL, IF ANY:

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W.W. Weatherly #3
Penrose-Skelly Field
Lea County, New Mexico

3. RIH W/ 5-1/2" RDG PKR ON WS. LOCATE & EIR INTO CSG LEAK (REPORTED @ 4263-4267' IN 1971). POH. RIH W/ CMT RET ON WS TO $\pm 4200'$. SET RET & WESTERN SQZ CSG LEAK:
 - a) 50 SX CLASS "C" CMT
 - b) 2 BBLS FRSH WTR SPACER
 - c) 1000 GALS AQUA FIX-1
 - d) 2 BBLS FRSH WTR SPACER
 - e) 100 SX CLASS "C" @ 14.8 PPGADJUST ABV PROCEDURE ACCORDING TO SIZE, EIR & PRESS. SNAP OUT OF RETAINER. POH & WOC.
4. RIH W/ 4-3/4" BIT & 6- 3-1/2" DC'S ON WS. DRILL OUT & TST SQZ TO 1000 PSI. POH. RIH W/ PKR & SWAB TST SQZ. POH. RESQZ IF NECESSARY.
5. RIH W/ 4-3/4" BIT & 6- 3-1/2" DC'S ON WS. DRILL OUT CIBP @ 6585'. TAG TD ($\pm 6677'$). CLN OUT AS NECESSARY. POH. RIH W/ 4-3/4" BIT & 5-1/2" CSG SCRAPER TO 6655' (CSG SEAT). CIRC HOLE CLN W/ 2% KCL WTR.
6. RIH W/ 5-1/2" RDG PKR TO 6600'. SET PKR, SWAB TST LWR DRINKARD PERFS & EVALUATE FLUID ENTRY. POH.
7. RU GEARHART TO RUN CNL/GR/CCL FROM 6655' TO 5600'. GEOLOGY SHOULD BE ON LOCATION.
8. GEARHART PERF UPPER DRINKARD 6480-6600', 1 JSP2F (61 HOLES) USING 4" CG IMPROVED DML XXIII 22.7 GC BY LANE WELLS RADIOACTIVITY LOG DATED 11/14/47.
9. RIH W/ 5-1/2" RBP & 5-1/2" HOWCO RTTS PKR W/ 2-7/8" STD API SN ON WS. SET RBP @ 6615'. TST RBP TO 2000 PSI. DUMP 1 SK SD ON TOP.
NOTE: (IF NO FLUID ENTRY FROM LWR DRINKARD SWAB TEST, SET CIBP @ 6630').
10. PU & SPOT 2 BBLS 15% HCL W/ ADDITIVES* 6600' & UP. SET PKR @ 6400'. TRAP 500 PSI ON ANNULUS IF POSSIBLE. WESTERN ACDZ PERFS 6480-6600' W/ 3000 GALS 15% HCL W/ ADDITIVES* DROPPING 100 RCN BS SPACED EVENLY THRU OUT. PUMP @ 4-5 BPM, MAX WHTP 5000. FLUSH TO BTM PERF W/ 2% KCL WTR**.
11. SWAB BACK LOAD & EVALUATE FLUID ENTRY. RLSE PKR, LWR THRU PERFS (PB @ $\pm 6610'$). RESET PKR @ 6400'. DROP SV TO SN (NEED TO BE SURE AT LEAST 2000' OF WTR CUSHION). TEST TBG TO 6000 PSI. FISH SV.

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W.W. Weatherly #3
Penrose-Skelly Field
Lea County, New Mexico

12. TRAP 500 PSI ON ANNULUS IF POSSIBLE. WESTERN FRAC UPPER DRINKARD 6480-6600' W/ 40,000 GALS MINIMAX III-30*** & 51,000# 20/40 SD. PUMP @ 20 BPM (EST'D WHTP 4700 PSI, MAX 6000 PSI):
 - a) PUMP 20,000 GALS MINIMAX III-30 PAD
 - b) PUMP 2000 GALS MINIMAX III-30 W/ 1.0 PPG SD
 - c) PUMP 4000 GALS MINIMAX III-30 W/ 2.0 PPG SD
 - d) PUMP 4000 GALS MINIMAX III-30 W/ 2.5 PPG SD
 - e) PUMP 8000 GALS MINIMAX III-30 W/ 3.0 PPG SD
 - f) PUMP 2000 GALS MINIMAX III-30 W/ 3.5 PPG SD
 - g) FLUSH TO TOP PERF W/ 2% KCL WTR ****. SION.
13. SWAB BACK LOAD & EVALUATE FLUID ENTRY. RLSE PKR, POH W/ WS & PKR. RIH W/ RET HD ON WS. CIRC SD OFF RBP. RETRIEVE RBP & POH.
14. RIH W/ PRODUCTION TBG (2-3/8") W/ TAC. RIH W/ 1-1/2" INSERT PUMP (SN @ ±6450') & 76 KD RODSTRING (2450' OF 7/8" & 4000' OF 3/4"). POP & TEST.

ADDITIVES/1000 GALS

* 15% HCL

| | | |
|--------|---------|-----------------------|
| 1 Gal | I-15 | Inhibitor |
| 1 Gal | Nine 40 | Surfactant |
| 5 Gals | XR-2L | Iron Control (Citric) |
| 5 Gals | AC-2 | Iron Control (Acetic) |

** FLUSH (2% KCL)

| | | |
|-------|---------|------------|
| 1 Gal | Nine 40 | Surfactant |
|-------|---------|------------|

*** MINIMAX III-30

| | | |
|---------|-------------|---------------------|
| 30 Lbs | J-20 | Gelling Agent |
| 1 Gal | AquaFlow | Surfactant |
| 1 Gal | Crosslinker | Crosslinker |
| 1 Lb | B-11 | Breaker |
| 167 Lbs | KCL | KCL |
| 20 Lbs | F-11 | Fluid Loss Additive |

**** FLUSH

| | | |
|---------|----------|---------------|
| 20 Lbs | J-20 | Gelling Agent |
| 1 Gal | AquaFlow | Surfactant |
| 167 Lbs | KCL | KCL |

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