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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 b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		to Glorieta PLUG BACK ☒		7. Unit Agreement Name
2. Name of Operator Sun Exploration & Production Company		8. Farm or Lease Name D. Hardy		9. Well No. 3
3. Address of Operator P.O. Box 1861, Midland, Texas 79702		10. Field and Pool, or Wildcat Blaineby Oil & Gas		
4. Location of Well UNIT LETTER H LOCATED 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE OF SEC. 29 TWP. 21-S RGE. 37-E NMPM		12. County Lea		
11. Elevations (Show whether DF, KT, etc.) 3472' GR		19. Proposed Depth 7872'	19A. Formation Glorieta	20. Rotary or C.T.
21A. Kind & Status Plug. Bond		21B. Drilling Contractor		22. Approx. Date Work will start ASAP

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17	13 3/8	36 & 48	317	300	Surf.
12 1/4	9 5/8	32, 36, 40	2848	1000	Surf.
7 7/8	5 1/2	15.5 & 17	7871	500	Did not circ.

- MIRU PU. POH W/76 TAPER 'K' GRADE ROD STRING & 2"x1-1/4"x12' ROD PUMP. ND WH. NU BOP. RLSE BAKER 5-1/2"x2-3/8" TAC @ ±5500'. POH W/ 2-3/8", 4.7#, J-55 PROD TBG.
- RIH W/ 5-1/2", 17#, MOD 'G' RBP & 5-1/2", 17#, MOD R-3 DG PKR (Sun owned stock) ON 2-3/8", 4.7#, N-80 OR L-80 WORKSTRING TO ±5360'. SET RBP @ ±5360'. RAISE PKR TO ±5350'.
- MIRU BJ-TITAN. LOAD HOLE W/ NE 2% KCL FRSH WTR (2 GPT NE-13). SET PKR & TEST RBP, PKR & WS TO ±3000 PSI. RLSE PKR. SPOT 5 BBLS 15% NEFE HCL W/ ADDITIVES* FROM ±5320 TO ±5105'. POH W/ 2-3/8" WS & PKR. RD BJ-TITAN.
- MIRU NL MCCULLOUGH. PERF GLORIETA 5137-48, 5165-74, 5182-85, 5232-36, 5306-12', 1 JSPF, TOTAL 38 HOLES USING 4" OD, 22.5 GM, .39" EH CSG GUN (ATLAS JUMBO JET II CHARGES) VIA WELEX GR/NEUTRON/CCL DATED 3/22/61.

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 [Signature] Title Accountant Date 11-25-88

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT I SUPERVISOR TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Con't.
D. Hardy
Well no. 3

5. RIH W/ 5-1/2", 17#, MOD R-3 DG PKR & SN ON 2-3/8" WS TO $\pm 5050'$. SET PKR W/ 17 PTS COMPRESSION. MIRU BJ-TITAN. LOAD TBG W/ NE 2% KCL FRSH WTR (2 GPT NE-13). TRAP 500 PSI CP. ACDZ GLORIETA PERFS 5137-5312' W/ 5000 GALS 20% NEFE HCL W/ ADDITIVES** IN ONE STAGE AT ± 5 BPM. DIVERT ACID USING 60 7/8", 1.1. SP GR RCN BS. DROP BALLS IN CLUSTERS OF 5 SPACED EVENLY THRUOUT ACID. EST WHTP 4500 PSI. MAX ALLOWABLE WHP 6000 PSI. FLUSH TO BTM PERF W/ 26 BBLS NE 2% KCL FRSH WTR. RECORD ISIP, 5, 10 & 15 MIN SIP.
6. FLOW/SWAB BACK L&AW (± 171 BLAW). EVALUATE FE RATE & CONTENT. RLSE PKR & POH W/ 2-3/8" WS & PKR LAYING DOWN.
7. RIH W/ 2-3/8" PROD TBG PUMPING SET-UP. TS $\pm 5350'$, MA $\pm 5319'$, PS $\pm 5315'$, SN $\pm 5314'$, TAC $\pm 5097'$ (7 JTS ABOVE SN). ND BOP. NU WH. RIH W/ 2"x1-1/4"x12' RHBC PUMP W/ 10' GAS ANCHOR ON 76 TAPER 'K' ROD STRING (144 - 3/4", 68 - 7/8"). SPACE OUT AS NECESSARY. RLSE RIG.
8. TEST GLORIETA COMPLETION @ 1-1/4"x44x10 (67 BPD PUMP CAPACITY). WILL APPLY FOR DHC PERMISSION W/ NMOCC FOLLOWING STABLE PRODUCTION VOLUMES. CAN SPEED UNIT TO 13 SPM IF NECESSARY, PUMP CAPACITY 88 BPD.