

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator Sun Exploration & Production Co.	8. Farm or Lease Name M. F. Legal
3. Address of Operator P. O. Box 1861 - Midland, Texas 79702	9. Well No. 2
4. Location of Well UNIT LETTER <u>I</u> 1980 FEET FROM THE <u>South</u> LINE A <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>31</u> TOWNSHIP <u>25-S</u> RANGE <u>37-E</u> N.M.P.M.	10. Field and Pool, or Wildcat Jalmat
15. Elevation (Show whether DF, RT, GR, etc.) 2996' GR	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

REMEDIAL WORK ☐
COMMENCE DRILLING O-15. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☒ Deepen and complete as oil producer

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 7-29-83 MIRU X-7+WS, ND well head, NU BOP, POH w/1 jt. 2-7/8 tbg.
7-30-83 RIH w/BKR 7" FB PKR on 2-7/8 L-80 tbg, set PKR @ 2604 - press tst 7" csg from surface to 2604 to 700 psi for 3/4 hr OK/release & POH w/7" PKR & 2-7/8 tbg/RIH w/6 1/4" RB 8-4-3/4 OD DC & 2-7/8 L-80 tbg to 2700'.
8-2-83 MIRU foam-air, lower 6 1/4 RB, DC, 2-7/8 tbg to 2778, wash OH 2778-2952, drl new formation 2952-3050, 98' in 17 1/2 hrs - pmpg 20 gal per min 2% KCL w/380 SCF air.
8-3-83 Drl from 3050 to 3055 5' in 3 1/2 hrs, circ hole c/n, TOH w/6 1/4 RB, DC, 2-7/8 tbg., left 2 cones off bit in hole, RIH w/6 1/4 & 5 1/2 June Biskett, 8-4-3/4 DC on 2-7/8 tbg wash & ream 2952 to 3055, tag junk @ 3055, Drl on junk POH junk basket had formation & no metal, RIH w/6" X 5-15/16 X 3-5/8 I. D. mill shoe w/globe basket on 8-4-3/4 DC & 2-7/8 tbg, tag tight spot @ 2876, wash & ream to 3055, mill over junk 3055 to 3056.
8-4-83 Con't mill over junk 3056-3057 POH w/globe basket, DC, 2-7/8 tbg, rec formation & no metal, RIH w/2-7/8 hyd-bailer w/6" OD junk basket on 2-7/8 tbg, tbg @ 3057 work bailer for 45 min, POH REC no metal & 30 gals formation SD, RIH w/6 1/4 (HTC) RB, 5 1/2 J.B., 8-4-3/4 DC on 2-7/8 to 3057. Drill on junk 2 hrs, made no hole. POH w/6 1/2 bit, J. B. DC & tbg) RIH w/6 1/4 concave 4 blade cone buster mill, 8-4-3/4 DC on 2-7/8 tbg to 2778, now circ w/9.0 brine wtr w/90% returns. (cont.)

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

SIGNED Dee Ann Lamb TITLE Sr. Accounting Assistant

DATE 9/27/83

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

TITLE

DATE

OCT 25 1983

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

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- 8-5-83 Finish washing OH 2867 - 2952/lower mill to 3057, mill on junk from 3057 - 3059 2' in 5 hrs rec all metal cutting & no formation/POH w/mill, DC, 2-7/8 tbg, mill had impression of cone in center/RIH w/new 6 1/4 3 blade cone buster mill, 8-4-3/4 DC & 2-7/8 tbg/Mill on junk 3059-3062 3' in 10 hrs, circ cln, POH w/ mill DC & tbg/ ~~Prep~~ to run mag & run bit to drill.
- 8-6-83 RIH w/5 1/2 OD Magnet w/cutrite guide, 4-3/4 DC, 2-7/8 tbg tag & circle on junk @ 3062, POH w/magnet, 2-7/8 tbg rec/cone & metal/PU RIH w/2-7/8 Hyd-bailer w/6" OD junk basket on 2-7/8 tbg, tag @ 3062 wk 1/2 hr/POH w/hyd-bailer & 2-7/8 tbg, no rec, RIH w/2-7/8 Hyd-bailer 6" junk basket on 2-7/8 tbg, tag @ 3062 wk bailer 1 hr POH w/bailer, 2-7/8 tbg., rec cone #2 all junk rec. RIH w/ 6 1/4 mill w/globe basket & 2-7/8 tbg cut 1' core 3062-3063/POH rec cln core/RU RIH w/6 1/4 RB 8-4-3/4 DC or 2-7/8 tbg, tag & drill from 3063 to 3079 16' in 4 1/2 hrs.
- 8-7-83 Drl 3 1/2 hr from 3079-3081 1' per hr/POH w/bit & 8-4-3/4 DC 2-7/8 tbg/RIH w/6 1/4 reed RB & 8-4-3/4 DC on 2-7/8 tbg/Drill from 3081 - 3130 49' in 11 hrs, bit slowed to 1' in 1 1/2 hrs, POH(w/Reed RB, DC, 2-7/8 tbg)/RIH w/HTC R-4 RB, DC, 2-7/8 tbg, now on btm drilling
- 8-8-83 24 hr drlg from 3121 to 3201 cut 80' in 24 hrs 3.3' per hr.
- 8-9-83 Drill from 3202 to 3211 in 6 hrs/POH w/HTC R-4 bit, 8-4-3/4 DC & 2-7/8 tbg, ~~tag @ 3211 no fill/drill from 3211 to 3230 in 14 hrs./prep to POH & chg bit.~~ RIH w/Reed 4 1/2 B. + DC 2 7/8 tbg.
- 8-10-83 Drill from 3230 to 3232, TOH (w/Reed B. + 8-4-3/4 DC 2-7/8 tbg)/ RIH w/ 8-4-3/4 DC on 2-7/8 tbg., tag btm @ 3232, no fill, drill from 3232 to 3248/ circ hole cln/POH w/bit DC 2-7/8 tbg to 2700'.
- 8-11-83 In 12 hrs drill from 3248 to 3270, POH w/6 1/4 bit, 8-4-3/4 DC, 2-7/8 tbg to 2500'/ prep to TOH w/BH & chg bit.
- 8-12-83 POH w/bit, 8-4-3/4 DC, 2-7/8 WS/RIH w/11-4-3/4 DC, 2-7/8 WS/drill from 3270 to 3301 in 9 hrs circ hole cln, POH to 2700.
- 8-13-83 Drill 3301-3344, ran 6 1/4 RB - 11-4-3/4 DC and 2-7/8 tbg to 2700.
- 8-14-83 Lwr and tag at 3344, drill 3344-3350, circ clean, raise RB to 2700.
- 8-16-83 Lower 6 1/4 bit & 11-4-3/4 DC on 2-7/8 to 3350 no fill, circ hole cln/POH w/bit, DC, 2-7/8 tbg/DA ran CNL-GR log from 3350 to surface/RIH w/6 1/4 bit. 2-4-3/4 DC on 2-7/8 tbg to 2700'.
- 8-17-83 FIH w/6 1/4 bit 2-4-3/4 DC on 2-7/8 tbg to 3350 no fill/circ hole cln/POH w/bit, DC, 2-7/8 tbg/(PU) RIH w/4 1/2 BKK duplex shoe & 674' 4 1/2 10.5 k-55 ST&C csg w/9 Howco cent & 7" guide shoe on top, on 2-7/8 tbg., btm line 3350, top liner 2676/BJ batch mix and cmt 4 1/2 liner w/100 sxs class C cmt/rlse from shoe/rev out 1/2 sxs cmt/POH w/BKR stinger.

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- 8-18-83 RIH w/7" BKR FB PKR on 2-7/8 tbg to 2521, BJ est inj rate 3 BPM @ 500 psi/release & POH w/FB PKR & 2-7/8 tbg/RIH w/BKR 7" cmt retainer to 2586, set cmt retainer/test tbg to 2500 psi OK/press annulus to 500 psi OK/BJ attemp to squeeze liner top @ 2676 w/ 150 sxs class "C" surefill & 100 sxs class "C" neat/took cmt on vac till all cmt in, built 200 psi on over displacement bleed to 0 in 2 min/over displaced liner top w/10 bbls fresh wtr/stung out retainer & rev out 2 bbls wtr/stung into retainer & pmp 1 bbl wtr.
- 8-19-83 BJ est inj rate 2 BPM @ 800 psi/press annulus to 500 psi OK/BJ squeeze liner top @ 2676 w/100 sxs class "C" neat & 100 sxs class "C" w/5# per sxs tuff-plug, tail in w/100 sxs class "C" neat/FP 1000 psi w/267 sxs in formation/pull out cmt retainer & rev out 21 sxs cmt/POH w/BKR stinger & 2-7/8 tbg/PU RIH w/6½ bit, 4-4-3/4 DC on 2-7/8 tbg to 2000.
- 8-20-83 FIH, tag cmt retainer @ 2586, drl on cmt retainer/circ cln.
- 8-21-83 POH W/6¼ RB/RIH w/new 6¼ RB & 6-4-3/4 DC drl cmt retainer & cmt to 2622 cut 36' cmt in 2 hrs./ rec cln.
- 8-23-83 RIH to 2621, drl soft cmt 2621 to 2676, Rev cln/test liner top to 800 psi OK/POH lay dwn 4-3/4 DC/PU 3-7/8 RB, 4-3-1/8 DC RIH & drl hard cmt @ top liner @ 2676 to 2700'/con't in hole & tag @ 3107 drl hard cmt from 3107 to 3263/ rev cln PU 1 stand.
- 8-24-83 RIH & drl cmt from 3263 to 3346, tag Duplex shoe, rev cln & test to 800 psi OK/POH CRC WL ran GR-CCL log 2650 to 3339/perf Langlie-Mattix set I 3310-3324 w/3-1/8 CG 10 GC, 39" EH 2 JSPF total 29 holes by DA CN-FD log, ran BKR RDG PKR on 2-3/8 WS to 3239/
- 8-25-83 Lower 4½ RDG PKR to 3324/ Western spot 1 bbl 15% NEFE acid from 3324-3257/raise & set RDG pkr @ 3202/press annulus to 500 psi OK/Western acdz Langlie Mattix Set I perfs @ 3310-24 w/500 gals 15% NEFE acid & 45 RCN ball sealers/flush w/2% KCL wtr/ BDP 1100 Max 750 Min 500 Avg 500 FP 750/ In ½ hr, flow OBO/ In 5 hrs, swab OBO.
- 8-26-83 In 10 hrs swab & rec Tr 0 28 BFW.
- 8-27-83 Open to test tank 12 hr, no flow/swab 1 hr/FL 1500-3000/rec tr 0 8 BW /small show gas after each swab run/ POH w/4½ PDG PKR & 2-3/8" tbg/RIH w/ 4½" EZ-Drill cmt ret on 2-3/8" tbg/ set cmt ret 3300'/test tbg to 2000-OK/trap 5000 psi on csg./Howco sqz Langlie Mattix set I perfs 3310-3334 (29 holes) w/100 sx class "C" neat/sqz w/85 sx in form/ FP 1000 & held/snap out of cmt ret & rev out 15 sx/POH to 1500.

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- 8-30-83 Finish out of hole w/Howco stinger & 2-3/8 tbg/CRC perf Langlie-Mattix Set II 3262-3272 2 JSPF total 21 holes w/3-1/8 CG, 10.5 GC, .40" EH by DA CN-FD log / TIH w/4½ RDG PKR on 2-3/8 tbg to 3272/Western spot 1 bbl 15% NEFE HCL acid from 3272 to 3205/raise & set PKR @ 3149/press annulus to 500 psi OK/ Western acidz Set II perfs 3262-3272 w/500 gals 15% NEFE acid & 37 RCN ball sealers in one stage, flush 2% KCL wtr/BDP 800 Max 1000 Min 500 Avg 550 FP 600 ISIP 500. In 4 hrs swab OBO 13 BLAW FL surface to 2900.
- 8-31-83 15 hr open to test tank, no flow/In 1 hr swab 3 BO 0 BLAW FL 2400-3000/1-hr FE 1½ BPH/last swab / release & POH w/4½ RDG PKR & 2-3/8 tbg/CRC perf Set IIA & III from 3244-3246, 3253-3257, 3222-3234, 2 JSPF total 39 holes w/3½ CG, 10.5 GC .40" EH by DA CN-FD log/RIH w/4½ RDG PKR on 2-3/8 tbg to 3100/set PKR @ 3100.
- 9-1-83 Lower PKR 2-3/8 tbg to 3272/Western spot 1 bbl 15% NEFE acid from 3272 to 3205/raise & set PKR @ 3148, press annulus to 500 psi OK/ Western acidz perfs 3222 to 3257 w/1,000 gals 15% NEFE acid & 96 - 7/8 ball sealers in 1 stage/flush w/2% KCL/In 8 hr swab tr oil.
- 9-2-83 (Release 4½ RDG PKR) lower PKR & tbg to 3300 PBTD/raise to 3148, unable to set PKR, TOH/RIH/RDG PKR on 2-3/8 tbg to 3148 & set PKR, Press annulus to 500 psi/Western frac perfs set II, IIA, III 3222 to 3272 w/28,000 gals Mini-Max III-40/44,000# 20-40 SD dwn 2-3/8 tbg in one stage, flush w/2% KCL slick wtr/BDP 2700 Max 2700 Min 1550 Avg 1700 FP 1750 ISIP 600.
- 9-3-83 Swab & Rec TR 0.
- 9-7-83 Open well up/In 6½ hrs flow 2½ BO 116 BLW on various CHR.
- 9-9-83 Release PKR @ 3148, RM BOP, Reset PKR @ 3154, NU well head/ swab & rec 3 BO/CHK to test tank.
- 9-15-83 MIRU X-Pert WS, kill well w/2% KCL wtr/NU BOP POH w/4½ RDG PKR & 2-3/8 tbg/ Apollo wire line set 4½ CIBP @ 3210, dump 1 sxs cmt on plug/Apollo perf set IV Jalmat zone 3122-3128, 3140-3146, 3157-3167 1 JSPF 25 holes w/3-1/8 CG, 10 GC, 39" EH DA CN-FD/RIH w/4½ RDG PKR on 2-3/8 tbg to 3100.
- 9-16-83 Lower 4½ RDG PKR on 2-3/8 tbg to 3167/RU Western Co spot 1 bbl 15% NEFE HCL 3167-3100/PU set PKR @ 3001/press annulus to 500 psi/Western acidz Jalmat set IV perfs 3122-3167 w/500 gals 15% NEFE acid & 37 ball sealers, Flush w/2% KCL wtr to btm perf/BOP 1900 MAX 2200 Min 1000 Avg 1500 FP 2200 ISIP 600 15 min Vac/ball action 1500-3200/well kick off flowing.
- 9-17-83 Release 4½ PKR @ 3001'/reset 4½ RDG PKR @ 3006' NU well head/well kick off flowing, left well flowing to test tank on 20/64.
- 9-27-83 24 hrs, P, 37 BO, 54 BW, 150 MCF, GOR 4054/1, 10X44X1½, FLONSN at 3163.

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