

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
Sun Exploration & Production Company

3. ADDRESS OF OPERATOR
P.O. Box 1861 Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Unit Ltr. B
AT TOP PROD. INTERVAL: 510' FNL & 1980' FEL
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☒
☐
☐
☐
☐

5. LEASE

NM-0557257

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Elliott B-15

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Penrose Shelly Grayburg

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T-22-S, R-37-E

12. COUNTY OR PARISH
Lea

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

11-6 MIRU X-pert WS Unable to unseat pump NU BOP Strip out of hole w/ tbg. and rods Flow on bradenhead Approx. 60 BPH Left to tank on 10/64 chk

11-7 RIH w/ 5½" bkr RBP Set RBP at 3450' Circ hole w/ 10# brine Test RBP to 500# Spot 2 sk sd on RBP POH Gearhart perf 4 sqz holes at 1200' TIH w/ Bkr 5½" cmt retainer on 2 3/8" tbg Set retainer at 1095' Press annulus to 750# ETR into sqz holes 3 BPM at 700# had full returns out bradenhead Howco mix & pump 235 sks Class C + 2% CaCl₂ Tail in w/ 50 sks Class C + 50:50 Cal-Seal Got cmt returns to surf after 105 sk cmt pumped Closed bradenhead valve Fin pump 130 sks class & 50 sk Cal-Seal cmt disp w/ 7.5 bbls 10# brine FP 900# Over displace 1 bbl Snap out of retainer POH

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Des Ann Kemp TITLE Assoc. Accountant DATE 12-27-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY: _____

JAN 16 1986

- 11-8 Open bradenhead No flow, RIH w/ stinger on 2 3/8 tbg, stung into ret @ 1095, no flow, press test sqz holes @ 1200' to 1000--ok, POH, RIH w/ 4-3/4 bit 8 - 3-1/2 DC's on 2-3/8 tbg, drilled cmt Ret 1095-1096, circ hole clean & SDFN
- 11-9 Finish drill out cmt retainer from 1096-1097, lower 4-3/4 bit tag & drill cmt 1197-1201, circ hole cln, shut dwn pump No flow, lower bit to 1380', test sqz to 1,000 Psi, bleed off to 650 Psi in 5 min, swab test Sqz to 1100', rec 23 BLW, wait 1 hr Had no fluid entry, retest sqz to 1000 Psi, bleed off to 650 Psi in 5 min, loon on 8/64 chk
- 11-12 POH w/ 4-3/4 bit, DC, 2-3/8 tbg/RIH w/ 2-3/8 tbg open end to 1244, Howco mix and spot 50 sxs class "C" 2% CaCl₂ from 1244' - 766', POH w/ 2-3/8 tbg, press csg to 1500 Psi
- 11-13 TIH w/ 4-3/4" bit & 8- 3-1/2" DCs on 2-3/8" tbg, tag & drlg out hard cmt from 735' to 1260' Circ clean SD pump had 1/2" water flow SI well Press build up to 500# in 10 min.
- 11-14 14 hr SITP 600 Psi, bled to zero, POH w/bit, RIH w/ FB Pkr on 2-3/8 tbg to 1213, Howco spot 2 bbls 15% HCL 1213-1129 PU & set pkr @ 1032, trap 750 on csg, Howco breakdown Sqz holes @ 1200' BDP, 2100 Psi, EIR 4 BPM @ 1100 Psi w/ no communication to Bradenhead, Howco sqz perfs @ 1200' w/ 1000 gal Flo-check followed by 100 sx Class 'C' + 2% CaCl₂ displaced to 1095', F.P. 1000 Psi, SI tbg, bled back to 875 Psi in 15 min.
- 11-15 17½ hr SITP 0# Rel pkr POH TIH w/ 4-3/4" bit, 8- 3-1/2" DCs on 2-3/8" tbg Tag & drlg hard cmt from 1093' to 1205' Circ clean SD pump had pencil size wtr flow SI well Press built to 310# in 10 min Bleed off press POH w/bit TIH w/ 5-1/2" FB pkr to 1219' Howco spot 2 bbls 15% HCL acid from 1219 to 1135' Set pkr at 1035' Press annulus to 750# BD sqz holes at 1200' EIR 4 BOM at 1200# Howco sqz holes w/ 500 gals Flo chek + 100 sks Class H A.75% CFR-2 Mix at 17.5#/gal Disp. to 1077'
- 11-16 15 hr SITP 0 Psi/rlse pkr & POH/TIH w/ 4-3/4" bit & 8- 3-1/2" DC's on 2-3/8" tbg, tag & drill hard cmt 1077' - 1205', circ hole clean, SD pump Had pencil size wtr flow, SI well & press built to 100 Psi in 10 min, bleed off press/ POH w/bit/ TIH w/ 5-1/2" bkr FB pkr on 2-3/8" tbg to 1219', Howco spot 2 bbls 15% HCL acid 1219'-1135', PLI & set pkr at 1035', press annulus to 750 Psi, Howco bd sqz perfs at 1200', BDP 1500 Psi, EIR 3 Bpm @ 1300 Psi, Howco sqz perfs @ 1200' w/200 sx Class H + .75% CFR-2 mix @ 18 PPG, displace cmt to 1098', FP 1500 PSI, ISIP 1200 Psi & holding
- 11-19 62 hr SITP 0# Rel pkr POH TIH w/ 4-3/4" bit 8- 3-1/2" DCs on 2 3/8" tbg Tag & drlg Very hard cmt from 1098' to 1205' Circ hole clean SD pump had pencil size wtr flow Press test sqz to 520# Press built to 560# Bleed off press SI well Press built to 100# in 10 min.
- 11-20 14½ hr SITP 550# Bled off immediately Lwr bit to 1400' Swab csg down to 1000' Wait 1 hr Had 40' FE .9 BPH FE NMO + GC okayed Leave slight wtr flow TIH w/bit Tag fill at 3396 CO to 3442' Rec cmt cuttings & sd Circ clean POH LD DCs TIH w/ 4-11/16" OD Junk basket & 2-3/8" hydrostatic bailer Tag obstruction at 1201' POH TIH w/bit & 5-1/2" csg scraper on 2-3/8" tbg Did not tag obstruction Worked bit thru spot several times POH TIH w/ 4-11/16" junk basket & bailer Could not get below 1201'

- 11-21 Unable to work 4-11/16" junk bskt & bailer below 1201'/POH/TIH w/ 4-1/2" junk bskt & hydrostatic bailer on 2-3/8" tbg, tag & CO fill 3439'-3443'/POH, Recover cmt, sand & pieces of cmt retainer/TIH w/ 5-1/2" retrieving head & hydrostatic bailer on 2-3/8" tbg, tag & CO fill 3443'-3450', unable to latch RBP @ 3450'/POH, recover sand & pieces of cmt retainer/made 2 more trips to retrieve RBP, unable to latch/POH
- 11-22 RIH w/ 4-5/8" OD Short catch Overshot w/ 1-7/8 grapple, Bumper sub on 2-3/8 tbg, unable to latch RBP @ 3450, POH, RIH w/ 4-11/16 OD Junk basket on 2-3/8 tbg, tab fish @ 3447 circ hole, attempt to recover fish, POH had no recovery/RIH w/ short catch ret head on 2-3/8 tbg, circ hold, unable to latch RBP/POH/RIH w/ 4-5/8 OD x 3-5/8 ID cutrite shoe, 8- 3-1/2 DC on 2-3/8 tbg, tag fish @ 3447
- 11-23 Lwr shoe mill over RBP from 3447' to 3450' Circ clean POH TIH w/ 4-5/8" shoe w/ wire catchers Tag RBP at 3450 POH Rec. fishing neck off RBP
- 11-26 RIH w/ 3-3/4 x 1" I.D. Short catch overshot on 2-3/8 tbg, attempt to fish RBP @ 3450, POH, REC 16" - 1" control bar, RIH w/ 4-5/8" x 3-5/8" x 4' Cutrite shoe, 8- 3-1/2 DC's on 2-3/8 tbg, tagged and milled over RBP 3450-3451, lost circ & pushed RBO downhole to 3745, milled on RBP @ 3745 for 2 hrs No progress, POH rec top 1/4 of RBP to top cone, RIH w/ 4-11/16 x 3-3/4 ID x 4' cutrite shoe, 8- 3-1/2 DCs on 2-3/8 tbg to 3500
- 11-27 Lwr shoe, milled over RBP 3745-47, (4½ hrs) Mill quit cutting, POH, mill shoe worn out/ RIH w/ 4-5/8 OD x 3-5/8 ID x 4' cutrite shoe & 8- 3-1/2 DC's on 2-3/8 tbg, milled over RBP 3747-3748 Mill quit cutting, POH to 3500'
- 11-28 POH w/ shoe Shoe worn out TIH w/ 4-11/16" OD x 3-3/4" ID shoe 8- 3-1/2" DCs on 2-3/8" tbg Tag & mill over RBP from 3747 to 3749 Shoe quit milling POH w/ mill Shoe worn out TIH w/ new shoe to 3500'
- 12-03 Lwr shoe Tab & mill over RBP from 3748 to 3750 2' in 7½ hrs Circ clean Getting metal, rubber & scale in returns POH Shoe worn out
- 12-04 TIH w/ 4-11/16" OD x 3-7/8" ID shoe w/ wire catchers Tag & circ over RBP @ 3750' POH no recovery TIH w/ 4-11/16" overshot & 3-3/4" grapple Bumper sub & jars Tag & rotate over RBP POH no recovery TIH w/ 4-3/8" OD impression block on swab line POH block indicates 1" OD control bar sticking up
- 12-05 TIH w/ 3-3/4" OD overshot w/ 1" grapple Bumper sub jars 8- 3-1/2 DCs on 2-3/8" tbg Tag & latch RBP at 3746' Pull 20000# above wt jar RBP loose POH Rec RBP TIH w/ 4-3/4" bit & 5-1/2" csg scraper CO some scale from 3750 to 3795' Unable to drlg deeper Bit torqueing POH Bit shows wear on shank
- 12-06 TIH w/ 2-3/8" notched collar on 2-3/8" tbg Unable to get below 3795' POH Collar teeth were turned to inside Csg appears collapsed TIH w/ 2-3/8" tbg & pumping setup TS 3787' MA 3756' Perf Nip. 3752 SN 3751' ND BOP NU wellhead RIH w/ 2" x 1-1/4" x 16' pump on 66 rod string Spaced out Hang on Good pump action
- 12-20 24 hrs P, 9 BO 13 BW 67 MCF GOR 7444/1