

Core #1 (Continued)

60' Limestone - Hard, light-gray to tan, finely crystalline, chalky, gypsiferous, with large inclusions of white to light gray, massive gypsum.

Core #2: 3595 - 3655' Rec. 60'

C. T.: 9-8-9-12-10-10-10-9-9-10-10-12-12-13-12-11-10-15-15-15-12-12-13-10-12-13-10-10-12-10-10-10-8-10-10-10-10-8-12-8-10-15-18-12-18-21-25-21-29-40-32-20-23-20-20-25-28-25-26.

1' Dolomite - Hard, tan to light-gray, finely crystalline, gypsiferous, slightly porous. (3595-96)

4' (3596-3600) Dolomite - Hard, light-gray to tan, finely crystalline, chalky, very gypsiferous, with large inclusions of white to light-gray gypsum.

2' (3600-02) Dolomite - Hard, grayish-tan, dense, fine to medium crystalline, gypsiferous, with inclusions of gypsum, same as above.

38' (3602-40) Dolomite - Hard, light-gray to tan, finely crystalline, chalky gypsiferous, slightly laminated with inclusions of gypsum, same as above.

5' (3640-45) Limestone - Hard, gray to grayish-tan, very dense, very finely crystalline, gypsiferous and dolomitic.

10' (3645-55) No recovery.

Core #3: 3655 - 3715' Rec. 60'

C. T.: 22-23-22-23-19-18-15-13-15-15-18-15-12-13-12-12-12-13-15-13-12-12-11-10-14-13-12-12-11-10-10-10-10-10-10-15-10-15-10-10-15-15-13-16-13-13-10-10-15-12-18-15-15-13-9-12-12-13-16.

1' (3655-56) Limestone - Hard, gray to tan, very finely crystalline, very dense, gypsiferous, dolomitic.

24' (3656-80) Dolomite - Hard, light-gray, dense, finely crystalline, gypsiferous, chalky, with inclusions of white to light-gray gypsum.

10' (3680-90) Limestone - Hard, gray to grayish-tan, dense, finely crystalline, dolomitic, slightly fractured, slightly laminated, gypsiferous, with inclusions of gypsum.

1' (3690-91) Limestone - Hard, tan to light-brown, dense, finely crystalline, gypsiferous, dolomitic.

Core #3 (Continued)

24' (3691-3715) Moderately hard, light-gray to tan, finely crystalline, gypsiferous, slightly laminated, dolomitic, with inclusions of gypsum, also some streaks of carbonaceous material in top 3' and bottom 1'.

Core #4: 3715 - 3805' Rec. 85'

G. T.: 13-11-11-11-13-11-13-13-14-13-15-12-15-14-20-17-24-26-27-25-22-16-18-17-17-12-12-16-17-14-14-20-15-20-20-20-20-15-10-10-5-10-10-15-10-10-12-10-10-8-13-12-20-20-20-25-25-30-30-30-22-31-25-24-23-28-22-22-16-30-26-34-32-32-24-15-22-21-31-26-32-30-30-28-23-32-28-35-32-28.

20' (3715-35) Dolomite - Moderately hard, light gray to cream, finely crystalline, slightly laminated, gypsiferous, with inclusions of gypsum.

5' (3735-40) Anhydrite - Hard, light to dark-gray, dense, massive.

28' (3740-68) Dolomite - Hard, tan to light-gray, dense, finely crystalline, slightly fractured, gypsiferous, with inclusions of gypsum, also chalky. (2' zone of oolites filled in with gypsum from 3766-68.

24' (3768-92) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of tan to light-brown, finely crystalline, dolomite.

3' (3792-95) Dolomite - Moderately hard, cream to light-gray, finely crystalline, dense, slightly chalky, anhydritic.

5' (3795-3800) Anhydrite - Hard, gray to light-gray, dense, massive, with streaks of dolomite as above.

5' (3800-05) No recovery.

Core #5: 3805 - 3895' Rec. 90'

G. T.: 15-20-20-20-30-30-25-30-25-30-30-30-30-25-25-26-24-25-25-25-24-25-26-26-25-35-29-39-28-33-30-30-28-17-15-15-17-13-20-10-15-19-31-31-29-22-28-30-30-25-25-20-15-18-19-13-10-15-20-15-15-15-30-30-15-20-15-15-15-10-10-10-10-10-10-5-5-5-8-4-9-10-19-5-7-8-6-14-11-13.

46' (3805-51) Anhydrite - Hard, light to dark-gray, dense, massive with few scattered streaks of hard, gray, dense dolomite.

44' (3851-95) Dolomite - Hard, tan to light-brown, dense, fine to medium crystalline, anhydritic, fossiliferous.

Core #6: 3895 - 3950' Rec. 55'

G. T.: 35-30-32-33-34-28-29-34-20-17-33-34-38-40-33-27-15-10-8-7-7-
6-7-10-10-10-10-10-17-23-30-30-22-18-15-10-15-13-15-13-15-
25-25-25-20-30-28-25-32-30-30-29-24-25-27.

- 3' (3895-98) Dolomite - Hard, grayish-tan, dense, fine to medium crystalline, upper 1½' fossiliferous.
- 3' (3898-3901) Anhydrite - Hard, light-gray to dark-gray, dense, massive, with 1' of hard, tan, dense, very dolomitic limestone...3899-3900.
- 14' (3901-15) Limestone - Hard, tan, dense, fine to medium crystalline, very dolomitic, anhydritic, fossiliferous.
- 9' (3915-24) Limestone - Hard, tan to gray, same as above.
- 5' (3924-29) Anhydrite - Hard, light to dark-gray, dense, massive.
- 7' (3929-36) Dolomite - Hard, tan, finely crystalline, fossiliferous.
- 14' (3936-50) Anhydrite - Hard, dark-gray, dense, massive.

Core #7: 4430 - 4455' Rec. 21'

G.T.: 21-38-32-35-44-32-43-35-52-53-65-55-50-55-55-55-75-30-30-30-30-
35-39-31-35.

- 2½' (4430-32½) Anhydrite - Hard, white to light-gray, dense, massive, with a 4" section of dense, dolomitic, anhydritic, limestone in bottom of top 1'.
- 2' (4432½-34½) Dolomite - Hard, tan to light-gray, very finely crystalline, dense.
- 6' (4434½-40½) Anhydrite - Hard, gray-white, massive, with few streaks of dolomite and dolomitic anhydrite.
- 10½' (4440½-51) Anhydrite - Hard, dense, gray-white, massive, with bottom 1' an intra-formational breccia of dolomite, light-tan, finely crystalline, with some fragments of limestone.
- 4' (4451-55) No recovery.

Core #8: 4462 - 4552' Rec. 90'

G. T.: 4-9-6-6-6-4-11-3-3-3-4-5-5-3-2-3-3-4-3-3-3-6-6-7-4-7-6-7-7-6-6-
6-7-6-8-6-7-7-7-6-7-7-6-7-7-6-7-7-7-6-7-7-7-6-5-8-7-6-7-6-
5-6-7-9-7-7-8-8-8-6-6-5-5-7-6-7-8-8-8-7-8-8-8-8-8-6-8-7.

- 4' (4462-66) Anhydrite - Hard, gray-white, dense, massive.
- 7' (4466-73) Dolomite - Hard, light-tan, finely crystalline, dense, with

Core #8 (Continued)

fine balls of anhydrite, and with a fragmental zone (intra-formational breccia) in the base.

- 1' (4473-74) Anhydrite - Hard, white to gray, dense, massive.
- 8' (4474-82) Limestone - Hard, tan to light-gray, very dolomitic, finely crystalline, dense, fossiliferous, with a basal fragmental zone (breccia) at base.
- 39' (4482-4521) Anhydrite - Hard, light-gray, dense, massive, with streaks of dolomitic limestone.
- 6' (4521-27) Limestone - Hard, cream to tan, finely crystalline, dense, fossiliferous, with fine anhydrite balls and with faint odor in bottom 1'.
- 7' (4527-34) Anhydrite - Hard, light-gray, dense, massive.
- 5½' (4534-39½) Dolomite - Hard, tan, dense, finely crystalline, with fine anhydrite balls.
- 12½' (4539½-52) Anhydrite - Hard, gray, dense, massive, with 1' of tan, finely crystalline, dolomite at the base.

Core #9: 4552 - 4642' Rec. 85'

C. T.: 10-10-10-10-10-5-4-3-4-4-5-5-3-3-2-2-3-3-4-5-5-8-7-8-7-8-8-5-4-4-4-2-3-3-3-3-2-2-2-2-2-3-3-5-7-7-5-4-3-3-4-4-4-3-4-4-3-5-4-5-4-4-5-7-5-4-3-4-5-4-5-5-5-5-5-10-5-5-5-5-5-7-7-6-7-8-5.

- 5' (4552-57) Dolomite - Hard, light-tan, finely crystalline, dense, slightly anhydritic, with some anhydrite filled vugs.
- 6' (4557-63) Limestone - Hard, tan to cream, finely crystalline, dense, very dolomitic, with some anhydrite filled vugs and with faint odor.
- 8' (4563-71) Limestone - Hard, light-tan, finely crystalline, dense, fossiliferous, with few anhydrite filled vugs and faint odor on fresh break.
- 5' (4571-76) Anhydrite - Hard, gray, dense, massive.
- 20' (4576-96) Dolomite - Hard, light-tan, dense, finely crystalline, with anhydrite filled vugs and with faint odor in bottom 2'.
- 2' (4596-98) Limestone - Hard, tan, finely crystalline, dense, fossiliferous, dolomitic, with anhydrite filled vugs, with faint odor.
- 16' (4598-4614) Limestone - Moderately hard, light-tan, finely crystalline, dense, with anhydrite filled vugs, very dolomitic, fossiliferous.
- 12' (4614-26) Dolomite - Hard, cream to light-gray, finely crystalline, very fossiliferous, anhydrite filled vugs, upper 4' fairly porous, bottom 1' brecciated zone.

Core #9 (Continued)

- 4' (4626-30) Anhydrite - Hard, light-gray, dense, with streaks of dolomite.
- 2' (4630-32) Dolomite - Hard, tan, crypto-crystalline, dense.
- 5' (4632-37) Anhydrite - Hard, gray, dense, massive.
- 5' (4637-42) No recovery.

Core #10: 4875 - 4938' Rec. 57'

- C. T.: 7-8-10-7-8-8-6-6-7-6-6-6-5-6-6-5-5-5-5-5-6-6-7-7-7-7-7-7-7-7-7-8-8-7-8-9-9-10-9-9-8-9-8-9-9-11-10-11-10-13-13-10-13-17-16-15-16-12-14-18-15-15-15.
- 22' (4875-97) Dolomite - Hard, light-tan, finely crystalline, scattered traces of porosity, slightly fossiliferous, with faint odor in streaks, also few anhydrite filled vugs.
 - 26' (4897-4923) Dolomite - Hard, light-tan, finely crystalline, with some scattered porosity, with some streaks of finely crystalline, gray dolomite, also anhydrite filled vugs are more abundant here than above and faint odor in streaks.
 - 3' (4923-26) Anhydrite - Hard, gray, dense, massive.
 - 6' (4926-32) Dolomite - Medium hard, light-tan, finely crystalline, dense with some anhydrite filled vugs.
 - 6' (4932-38) No recovery.

Core #11: 6085 - 6175' Rec. 35'

- C. T.: 24-13-5-4-5-5-13-9-6-4-3-3-2-2-3-4-3-3-3-4-2-3-3-3-3-4-4-4-4-4-4-4-4-4-5-4-5-5-4-5-5-4-5-5-5-5-5-5-6-6-6-6-6-6-5-5-5-5-5-5-6-7-7-5-4-4-4-4-4-4-4-4-4-4.
- 30' (6085-6115) Limestone - Moderately soft, cream to tan, chalky, finely crystalline, slightly vuggy, slightly fossiliferous, with faint odor in streaks.
 - 1' (6115-16) Dolomite - Hard, tan to brown, finely crystalline, slightly porous, with few anhydrite filled vugs.
 - 3' (6116-19) Limestone - Chalky - same as above 30'.
 - 1' (6119-20) Dolomite - Moderately hard, tan to brown, finely crystalline, porous, with anhydrite filled vugs, slight odor.
 - 55' (6120-75) No recovery.

Core #12: 9185 - 9229' Rec. 40'

- C. T.: 15-14-17-15-23-22-15-7-6-6-9-6-4-6-18-21-18-34-50-34-33-18-39-19-9-10-15-45-25-10-18-26-29-49-50-21-6-7-7-5-20-61-55-79.

Core #12 (Continued)

- 2' (9185-87) Dolomite - Hard, tan to gray, finely crystalline, calcitic, dense, fossiliferous.
- 1' (9187-88) Dolomite - Same as above - only with slight bleeding and staining and slightly porous.
- 2' (9188-9190) Anhydrite - Hard, white to light-gray, dense, massive with streaks of brown dolomite.
- 1½' (9190-91½) Dolomite - Moderately hard, tan, finely crystalline, slightly porous, very fossiliferous.
- 1½' (9191½-93) Dolomite - Moderately hard, tan, finely crystalline, fairly dense, slightly argillaceous, fossiliferous, brecciated in top part.
- 1' (9193-94) Dolomite - Hard, tan to light-gray, finely crystalline, dense, very calcitic (brown crystals).
- 6' (9194-9200) Anhydrite - Hard, dark-gray, dense, massive, with streaks of dolomite, also a 6" section of hard, tan, finely crystalline, dolomitic, from 2 to 2½' down from top.
- 12' (9200-12) Dolomite - Hard, tan to gray, finely crystalline, dense, calcitic, (coarse brown crystals) slightly fossiliferous, with some scattered thin black shale laminations.
- 2' (9212-14) Anhydrite - Hard, light-gray, dense, massive with streaks of dolomite.
- 2' (9214-16) Dolomite - Hard, tan to gray, finely crystalline, dense, calcitic (coarse brown crystals), slightly fossiliferous, with some scattered thin black shale laminations, fairly porous.
- 4' (9216-20) Anhydrite - Hard, grayish-white, dense, massive with streaks of dolomite and black shale.
- 2' (9220-22) Limestone - Hard, cream to tan, finely crystalline, chalky, slightly dolomitic, slightly anhydritic.
- 3' (9222-25) Anhydrite - Hard, white to gray, dense, massive, streaks of dolomite.
- 4' (9225-29) No recovery.

Core #13: 9229 - 9292' Rec. 49'

- G. T.: 10-5-5-3-7-20-20-10-10-5-5-8-17-10-5-5-5-5-5-5-5-8-7-5-4-4-4-7-6-8-7-5-5-5-4-4-4-16-14-12-12-12-8-12-6-6-9-9-10-15-19-11-14-12-28-26-14-20-26-20-30-58.
- 1' (9229-30) Anhydrite - Hard, dense, white to gray, massive, with streaks of light-brown dolomitic limestone.
- 11' (9230-41) Limestone - Hard, brown, finely crystalline, fairly dense, dolomitic, with some anhydrite filled vugs with faint odor on fresh-breaks.
- 1' (9241-42) Anhydrite - Hard, white to gray, dense, massive, with streaks of dolomite.

Core #13 (Continued)

- 16½' (9242-58½) Dolomite - Moderately hard, tan, finely crystalline, dense, calcareous, with streaks of dolomitic limestone and with faint odor on fresh-breaks.
- 4' (9258½-62½) Anhydrite - Hard, white to gray, dense, massive, with thin shale laminae, and thin laminations of dolomitic limestone, also with intra-formational breccia at top and bottom.
- 5' (9262½-67½) Limestone - hard, tan, finely crystalline, dense, with calcite crystals, with some anhydrite filled vugs and with faint odor on fresh-breaks.
- 2' (9267½-69½) Anhydrite - Hard, white to light-gray, dense, massive.
- 5' (9269½-74½) Limestone - Hard, tan to cream, finely crystalline, dolomitic, fairly dense, with streaks of limy dolomite, and with thin black shale laminations in the middle foot.
- 8" (9274½-75-1/6) Anhydrite - Hard, gray, dense, massive, with streaks of dolomite.
- 1' (9275-1/6 - 76-1/6) Dolomite - Hard, brown, dense, finely crystalline, with streaks of cherty dolomite.
- 10" (9276-1/6 - 77) Chert - Hard, tan (apparently fractured in basal part), with dead asphalt in fractures and with few anhydrite filled vugs.
- 1' (9277-78) Dolomite and Cherty dolomite - same as above.

Core #14: 9292 - 9357' Rec. 32'

- C. T.: 30-55-35-10-15-20-15-15-15-7-7-10-13-25-25-10-20-15-5-11-9-23-
27-25-20-15-20-35-15-18-14-20-28-25-26-24-25-27-25-24-25-25-23-23-23-
21-11-15-15-13-13-27-20-30-18-16-36-20-10-10-10-8-13-15-12-
- 15' (9292-9307) Dolomite - Hard, tan to brown, finely crystalline, vuggy, very porous, slightly argillaceous, fossiliferous, reefy, with some anhydrite filled vugs.
- 11' (9307-18) Limestone - Hard, pink, finely crystalline, very porous, vuggy, very fossiliferous, reef-like with salty taste.
- 2' (9318-20) Dolomite - Moderately hard, grayish-brown, finely crystalline, dense, with some carbonaceous material.
- 4' (9320-24) Anhydrite - Hard, white to light-gray, dense, massive.
- 33' (9324-57) No recovery.

Core #15 (Continued)

- 1¹' (9857¹/₂-59) Dolomite - Moderately hard, cream to tan, finely crystalline, porous, vuggy, with some anhydrite filled vugs (vugs caused primarily by dissolution of fossils).
- 3⁰' (9859-62) Limestone - Hard, light-gray, finely crystalline, dense, fossiliferous, slightly stypolitic, brecciated appearance in top part with carbonaceous residues and asphaltic odor in stypolites.
- 6⁰' (9862-68) Dolomite - Hard, cream to tan, finely crystalline, porous, vuggy, fossiliferous, with some anhydrite filled vugs, slightly argillaceous, salty taste. A 4" fossil zone at the bottom 1',
- 14⁰' (9868-82) Dolomite - Moderately hard, tan to brown, finely crystalline, fairly dense, fossiliferous, with some anhydrite filled vugs, and some fossils replaced by gypsum, some carbonaceous material and some scattered oil stains, fair odor.
- 2⁰' (9882-84) Limestone - Hard, grayish-tan, finely crystalline, dense, very fossiliferous (almost a coquina), anhydritic.
- 3⁰' (9884-87) Dolomite - Hard, tan, finely crystalline, fairly dense, argillaceous, fossiliferous, with some dolomite rhombs.
- 5⁰' (9887-92) Dolomite - Hard, light-gray, finely crystalline, dense, fossiliferous, with abundance of thin black shale laminations.
- 1⁰' (9892-93) Tan Dolomite - hard, finely crystalline, dense, fossiliferous, with abundance of thin black shale laminations.

Core #16: 10,781 - 10,844 Rec. 63⁰

- C. T.: 15-18-16-20-19-17-18-20-22-24-23-18-17-16-19-21-24-23-20-16-14-12-13-15-18-23-20-22-21-20-23-22-25-30-20-20-13-17-25-14-19-33-35-50-27-23-25-20-15-25-20-22-15-22-26-21-24-25-20-35-30-30-30.
- 2⁰' (10,781-83) Dolomite - Hard, dark-grayish-brown, finely crystalline, fairly porous, slightly argillaceous, with some small anhydrite filled vugs and with salty taste.
 - 2⁰' (10,783-85) Dolomite - Moderately hard, grayish-brown, finely crystalline, sucrosic, fairly porous, argillaceous, with salty taste.
 - 5⁰' (10,785-90) Dolomite - Moderately hard, light-gray to grayish-brown, very finely crystalline, dense, slight salty taste.
 - 2⁰' (10,790-92) Limestone - Hard, light-gray to tan, fine to crypto crystalline, very dense, fractured, slightly fossiliferous, with few scattered thin laminations of black shale.
 - 4⁰' (10,792-96) Limestone - Hard, tan to gray, finely crystalline, dense, slightly dolomitic.

Core #16 (Continued)

- 4' (10,796-10,800) Limestone - Hard, light-gray to tan, very fine to crypto crystalline, very dense, slightly fossiliferous, with some of the fossils replaced by dense light-brown limestone, also some fossils calcitized.
- 13' (10,800-13) Limestone - Hard, tan to light-brown, very dense, very finely crystalline to crypto crystalline, very fossiliferous (Millioids particularly abundant), some calcitized fossils and few thin gray-black shale laminations.
- 3' (10,813-16) Limestone - Very hard, gray to tan, very finely crystalline, very dense, fractured, fossiliferous, with abundant thin laminations of black shale.
- 3' (10,816-19) Limestone - Hard, grayish-tan to light-brown, finely crystalline, dense, very fossiliferous.
- 4' (10,819-23) Limestone - Hard, gray, finely crystalline, dense, fossiliferous, fractured, slightly stylitic, with carbonaceous residue in fractures and stylites.
- 10' (10,823-33) Limestone - Hard, dark-gray, fine to crypto crystalline, very dense, very argillaceous.
- 2' (10,833-35) Limestone - Hard, gray to grayish-brown, very fine to crypto crystalline, very dense, fractured, with scattered thin black shale laminations.
- 6' (10,835-41) Limestone - Hard, dark-gray, finely crystalline, dense.
- 3' (10,841-44) Limestone - Hard, light-gray, dense, finely crystalline, fossiliferous, argillaceous.

Core #17: 10,844 - 10,914' Rec. 70'

C. T.: 30-12-13-8-11-11-13-10-7-8-15-20-20-42-38-15-11-12-15-17-19-14-11-16-18-12-12-13-13-12-17-15-12-9-12-10-12-12-12-18-22-20-15-13-8-13-11-10-10-10-12-11-14-11-10-7-13-10-12-12-10-11-23-10-12-13-11-15-25-26.

- 1' (10,844-45) Limestone - Hard, gray to grayish-brown, finely crystalline, dense, very fossiliferous, argillaceous.
- 8½' (10,845-53½) Dolomite - Hard, gray to brown, finely crystalline, slightly porous, argillaceous, with some sucrosic dolomite.
- 4½' (10,853½-58) Limestone - Hard, dark-gray, dense, finely crystalline, dolomitic with streaks of limy dolomite.
- 3½' (10,858-61½) Anhydrite - Hard, white to gray, dense, massive, with streaks of dark-gray limestone.
- 1½' (10,861½-63) Limestone - Hard, gray, dense, finely crystalline.

Core #17 (Continued)

- 3' (10,863-66) Limestone - Hard, tan, finely crystalline, dense, slightly fossiliferous, argillaceous, with some dolomite rhombs.
- 1' (10,866-67) Anhydrite - Hard, tan, finely crystalline, dense, slightly fossiliferous, argillaceous, with some dolomite rhombs and with streaks of limestone.
- 6' (10,867-73) Limestone - Hard, light-gray to tan, finely crystalline, dense, slightly stypolitic, fossiliferous (millioids).
- 2' (10,873-75) Anhydrite - Hard, light-gray to tan, finely crystalline, dense, slightly stypolitic, fossiliferous (millioids).
- 11' (10,875-86) Limestone - Hard, gray to tan, very dense, fine to crypto crystalline, slightly stypolitic, slightly fractured, slight bleeding of oil from fractures and stypolites from 10,880-81.
- 5' (10,886-91) Dolomite - Hard, gray, dense, finely crystalline, with few scattered shale laminations.
- 4' (10,891-95) Anhydrite - Hard, gray, dense, finely crystalline, with few scattered shale laminations, with streaks of limestone.
- 6½' (10,895-10,901½) Dolomite - Hard, gray to tan, finely crystalline, fairly dense.
- 12½' (10,901½-14) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of brown, finely crystalline dolomitic limestone.

Core #18: 10,914 - 10,992' Rec. 78'

- C. T.: 17-11-13-11-14-12-14-15-12-13-17-18-20-25-20-30-25-15-15-15-20-15-20-20-15-10-13-12-15-15-10-10-10-15-15-12-12-11-12-12-12-12-17-10-12-10-12-14-11-13-12-10-10-12-13-16-15-15-15-16-12-15-15-15-10-14-15-16-15-15-16-15-18-15-15-15-15-15.
- 8' (10,914-22) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of light-brown, finely crystalline, limestone.
- 5' (10,922-27) Limestone - Hard, dark-gray, dense, finely crystalline, slightly fossiliferous.
- 6' (10,927-33) Limestone - Hard, dark-gray to black, very dense, fine to crypto crystalline, slightly fractured, slightly fossiliferous, calcitic (calcite filled vugs), with abundant thin laminae of black, calcareous shale.
- 11' (10,933-44) Limestone - Hard, dark-gray, very dense, fine to crypto crystalline, with a few scattered thin laminations of black shale, also slightly fossiliferous.

Core #18 (Continued)

- 5' (10,944-49) Dolomite - Hard, grayish-tan to brown, finely crystalline, slightly porous, with some anhydrite filled vugs, and brecciated in the basal part (intra-formational breccia).
- 21' (10,949-70) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of light-brown, anhydritic dolomite, and dolomitic anhydrite.
- 8' (10,970-78) Limestone - Hard, light-gray, finely crystalline, dense, dolomitic, with some thin black, calcareous shale laminae.
- 3' (10,978-81) Limestone - Hard, tan, finely crystalline, dense, dolomitic, with some brown dolomite crystals.
- 11' (10,981-92) Limestone - Hard, gray to dark-gray, fine to crypto crystalline, very dense, argillaceous.

Core #19: 10,992 - 11,068' Rec. 76'

- C. T.: 10-10-10-15-10-10-7-8-8-7-8-10-10-12-15-15-15-15-10-15-15-15-20-10-10-15-15-10-15-10-10-10-2-8-7-7-7-5-7-6-8-7-8-8-5-6-7-10-8-11-10-10-10-11-12-12-11-9-11-12-13-10-12-11-10-13-10-10-11-10-11-12-12-10-12-11.
- 4' (10,992-96) Limestone - Hard, dark-gray, dense, finely crystalline, dolomitic, argillaceous.
- 8' (10,996-11,004) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of brown, dolomitic limestone.
- 20' (11,004-24) Limestone - Hard, dark-gray to black, crypto crystalline, very dense, very argillaceous, slightly fossiliferous, (with few small anhydrite filled vugs in top 3').
- 1' (11,024-25) Shale - Hard, dark-gray to black, well indurated, very calcareous.
- 1' (11,025-26) Dolomite - Hard, gray, finely crystalline, dense, argillaceous.
- 13' (11,026-39) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of limestone.
- 20' (11,039-59) Limestone - very hard, dark-gray, very dense, crypto crystalline, with anhydrite filled vugs in top 1', also slightly stypolitic, and slightly fractured with carbonaceous residues in fractures and stypolites.
- 3' (11,059-62) Shale - Fairly hard, black, well indurated, very calcareous, slightly fossiliferous.
- 6' (11,062-68) Limestone - Very hard, gray, dense, finely crystalline, very fossiliferous (some Orbitulinas) calcitic, with some thin black shale laminations.

Core #20: 11,068 - 11, 146' Rec. 76'

G. T.: 15-20-20-20-10-20-20-10-19-12-15-15-17-18-15-20-20-20-15-12-13-8-12-12-11-10-12-12-11-14-11-11-15-15-15-14-14-14-13-14-12-14-14-15-15-15-15-15-15-14-15-15-14-15-15-15-15-15-16-14-15-15-10-13-15-17-13-18-27-30-31-20-20-19-21-20-19.

- 5' (11,068-73) Limestone - Very hard, gray to grayish-brown, dense, fine crystalline, oolitic, slightly fossiliferous, slightly argillaceous.
- 1' (11,073-74) Shale - Hard, black, brittle, well indurated, calcareous.
- 1' (11,074-75) Limestone - Hard, gray, finely crystalline, very dense, very fossiliferous (resembles an oyster bed),
- 7' (11,075-82) Limestone - Moderately hard, tan to brown, finely crystalline, porous, slightly dolomitic, argillaceous, very fossiliferous, reefy-like, with an abundance of white worm tubes and with some anhydrite filled vugs.
- ✓ 35' (11,082-11,117) Anhydrite - Hard, white to gray, dense, massive, with a few scattered streaks of light-brown limestone.
- 1' (11,117-18) Limestone - Very hard, light-gray, dense, finely crystalline, slightly fossiliferous.
- 3' (11,118-21) Shale - Hard, black, calcareous.
- 25' (11,121-46) Limestone - Hard, light to dark-gray, very dense, fine to crypto crystalline, slightly fossiliferous, slightly argillaceous, with few scattered black shale laminations.

Core #21: 11,146 - 11,222' Rec. 76'

G. T.: 20-20-20-17-20-20-20-20-20-19-11-12-13-13-13-12-12-11-16-13-11-11-12-12-12-11-11-10-13-10-10-12-13-12-12-13-13-13-13-13-12-14-15-10-14-12-12-12-12-12-12-10-14-12-11-12-13-15-15-15-15-14-17-16-29-26-30-53-20-20-25-25-25-25-30-35.

- 4' (11,146-50) Limestone - Very hard, grayish-brown, dense, finely crystalline, fossiliferous, oolitic.
- 9' (11,150-59) Limestone - Very hard, dark-gray, very dense, crypto crystalline, argillaceous, slightly fossiliferous.
- 6' (11,159-65) Shale - Hard, black, well indurated, very calcareous,
- 1' (11,165-66) Limestone - Very hard, dark-gray, very dense, fine to medium crystalline, slightly fossiliferous.

Core #21 (Continued)

- 11' (11,166-77) Anhydrite - Hard, white to gray, dense, massive,
- 2' (11,177-79) Limestone - Very hard, grayish-brown, fine to medium crystalline, very dense, slightly argillaceous, with some anhydrite filled vugs.
- 7' (11,179-86) Anhydrite - Very hard, grayish-brown, fine to medium crystalline, very dense, slightly argillaceous, with some anhydrite filled vugs.
- 23½' (11,186-11,209½) Anhydrite - Very hard, grayish-brown, fine to medium crystalline, very dense, slightly argillaceous, with some anhydrite filled vugs, interbedded with hard, dark-gray to black, dense, crypto crystalline, argillaceous, anhydritic limestone.
- 6" (11,209½-10) Limestone - Hard, dark-gray to black, very dense, crypto crystalline, argillaceous, with a 3" zone of fossils.
- 3' (11,210-13) Limestone - Very hard, light-brown, crypto crystalline, very dense, slightly fractured, slightly argillaceous.
- 8½' (11,213-21½) Anhydrite - Very hard, light-brown, crypto crystalline, very dense, slightly fractured, slightly argillaceous.
- 6" (11,221-22) Limestone - Very hard, dark-gray, very dense, finely crystalline, anhydritic, slightly argillaceous.

Core #22: 11,222 - 11,300' Rec. 78'

- C. T.: 11-14-13-13-12-10-10-8-8-8-10-10-10-9-9-8-8-8-9-10-10-11-8-10-10-11-10-12-9-11-10-10-10-11-10-9-9-10-11-15-15-15-15-13-12-12-12-12-12-15-12-13-10-12-15-15-16-15-15-15-15-15-15-10-8-7-7-8-8-9-9-9-8-7-6-7-7-.
- 6" (11,222-22½) Shale - Hard, brittle, black, well indurated, calcareous.
- 4½' (11,222½-27) Limestone - Hard, light-gray, very dense, very finely crystalline, slightly fractured with bleeding oil from fractures in top 1½' (11,222½-24).
- 34' (11,227-61) Anhydrite - Hard, white to gray, dense, massive, with streaks of light-brown limestone.
- 6' (11,261-67) Limestone - Very hard, dark-gray to grayish-brown, very dense, fine to medium crystalline, oolitic to pseudo-oolitic, slightly fossiliferous.
- 10' (11,267-77) Anhydrite - Very hard, dark-gray to grayish-brown, very dense, fine to medium crystalline, oolitic to pseudo-oolitic, slightly fossiliferous.
- 2' (11,277-79) Limestone - Hard, light-gray, dense, finely crystalline.

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Core #22 (Continued)

- 6" (11,279-79½) Dolomite - Hard, tan to brown, dense, finely crystalline.
- 8½' (11,279½-88) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of dolomitic limestone.
- 1' (11,288-89) Limestone - Hard, grayish-brown, dense, fine to medium crystalline, pseudo-oolitic, slightly fossiliferous.
- 5' (11,289-94) Anhydrite - Hard, grayish-brown, dense, fine to medium crystalline, pseudo-oolitic, slightly fossiliferous.
- 4' (11,294-98) Dolomite - Hard, dark-brown, finely crystalline, dense.
- 2' (11,298-300) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of brown dolomite.

Core #23: 11,300 - 11,347' Rec. 47'

C. T.: 7-7-7-6-6-7-6-7-8-6-6-6-7-7-7-8-10-7-7-6-6-6-8-7-8-7-6-6-6-6-6-6-8-13-12-9-11-11-12-10-10-11-11-14-11-11-10-12

- 17' (11,300-17) Anhydrite - Hard, white to light-gray, dense, massive, with streaks of light-brown, finely crystalline, dolomite.
- 6' (11,317-23) Dolomite - Moderately hard, light-brown, finely crystalline, fairly porous, with anhydrite filled vugs in top 2'. Good saturation with considerable bleeding of oil and gas (froth of gas bubbles on surface).
- 2½' (11,323-25½) Limestone - Hard, brown, finely crystalline, fairly dense, dolomitic with fairly good staining and bleeding from pin-point porosity.
- 3½' (11,325½-29) Limestone - Hard, light-gray, finely crystalline, fairly dense, fractured, with slight staining and bleeding from pin-point porosity and from fractures.
- 3' (11,329-32) Limestone - Hard, light-gray, very dense, very finely crystalline, slightly dolomitic, slightly argillaceous, and slightly fossiliferous, no show.
- 15' (11,332-47) Limestone - Hard, gray to bluish-gray, crypto crystalline, very dense, with few scattered anhydrite filled vugs, very argillaceous, interbedded with hard, bluish-gray, very calcareous shale.

Core #24: 11,347 - 11,379' Rec. 32'

C. T.: 13-12-6-6-3-4-4-3-3-3-3-3-2-3-3-3-3-3-6-5-10-7-6-5-6-5-6-9-8-8-14.

- 6" (11,347-47½) Shale - Hard, bluish-gray, brittle, well indurated, very calcareous.
- 1½' (11,347½-49) Limestone - Hard, light-gray, finely crystalline, fairly dense, fossiliferous, argillaceous, with slight bleeding and staining of oil, also salty taste.

Core #24 (Continued)

- 29' (11,349-78) Limestone - Hard, light-gray to tan, finely crystalline, fairly dense, slightly dolomitic, fossiliferous, slightly fractured and with some scattered pin-point porosity. Slight staining and bleeding of oil and gas from small fractures and pin-point porosity, salty taste. (Some Coskinulina sp. present - Humble's Index fossil of the Sunnyland).
- 1' (11371-11379) Limestone - Hard, tan, finely crystalline, dense, partially brecciated with hard, gray, dense, argillaceous limestone. (Intra-formational breccia)

Core #25: 11,379 - 11,426 Rec. 37'

- C. T.: 18-14-15-9-9-10-14-13-16-11-14-13-13-16-14-20-16-15-14-13-17-13-17-14-14-15-20-20-12-12-18-17-16-23-23-34-22-19-21-24-22-13-8-17-19-26-23.
- 2' (11,379-81) Shale - Hard, gray, brittle, well indurated, very calcareous.
- 8' (11,381-89) Limestone - Hard, light-gray to tan, dense, finely crystalline, slightly argillaceous.
- 20' (11,389-11,409) Shale - Hard, bluish-gray, well indurated, very calcareous.
- 7' (11,409-16) Limestone - Hard, light-gray, to tan, fine to medium crystalline, dense, argillaceous, with very slight scattered staining and bleeding of oil.
- 10' (11,416-26) No recovery.

Core #26: 11,427 - 11,451 Rec. 20'

- C. T.: 18-9-15-24-30-17-16-12-10-13-14-15-18-10-13-17-16-17-16-18-17-17-18-21.
- 2½' (11,427-29½) Limestone - Hard, gray to grayish-brown, very dense, finely crystalline, argillaceous, no show.
- 3½' (11,429½-33) Limestone - Hard, gray to grayish-brown, fairly dense, very finely crystalline, fractured, dolomitic, anhydritic, with some staining and bleeding of oil from fractures and pin-point porosity.
- 4½' (11,433-37½) Limestone - Hard, gray, finely crystalline, dense, finely crystalline, slightly argillaceous, no show.
- 8½' (11,437½-45) Limestone - Hard, dark-gray to black, fine to crypto crystalline, very dense, very argillaceous, no show.

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Core #26 (Continued)

- 1' (11,445-46) Limestone - Hard, light-brown, fine to crypto crystalline, very dense, no show.
- 5' (11,446-51) No recovery.

Core #27: 11,451 - 11,501 Rec. 53

C. T.: 27-17-17-17-17-14-13-24-30-10-10-11-11-14-12-13-23-19-15-15-13-15-14-14-13-16-20-16-26-20-15-18-16-16-16-18-18-24-16-13-13-15-12-13-15-14-18-15-13-12.

3' from previous core.

- 2 1/2' (11,451-11,453 1/2) Limestone - Hard, tan to light-gray, finely crystalline, dense, slightly argillaceous, no show.
 - 1 1/2' (11,453 1/2-55) Shale - Hard, dark-gray to black, well indurated, calcareous.
 - 1' (11,455-56) Limestone - Hard, gray to grayish-brown, slightly fractured, finely crystalline, dense, calcitic, very slight staining in fractures.
 - 5' (11,456-61) Limestone - Hard, gray to tan, finely crystalline, fairly dense, fractured with slight staining and bleeding of oil and gas from fractures and pin-point porosity.
 - 7' (11,461-68) Limestone - Hard, cream to tan, very slightly porous, finely crystalline, fractured, slightly dolomitic with good staining and bleeding of oil and gas predominately from fractures, but also pin-point porosity.
 - 1' (11,468-69) Limestone - Same as above, with no show.
 - 7' (11,469-76) Limestone - Hard, light-gray to tan, finely crystalline, dense, very fossiliferous, highly fractured, slightly dolomitic, partial brecciated with fairly good staining, and bleeding of oil and gas.
 - 6' (11,476-82) Limestone - Hard, gray to grayish-brown, very dense, very finely crystalline, no show.
 - 3' (11,482-85) Limestone - Hard, light-gray, dense, finely crystalline, fossiliferous.
 - 5' (11,485-90) Limestone - Hard, dark-gray, dense, argillaceous.
 - 5' (11,490-95) Limestone - Hard, gray, dense, finely crystalline, argillaceous, fossiliferous, calcitic.
 - 8' (11,495-11,503) Limestone - Hard, dark-gray to black, very argillaceous, (Some call this calcareous shale).
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Core #28: 11,501 - 11,551 Rec. 50'

G. T.: 12-22-26-25-23-20-22-20-20-20-18-9-20-16-19-18-18-11-14-23-
24-18-17-26-18-12-14-19-21-22-29-22-25-23-20-19-13-15-18-20-
20-18-17-16-23-19-15-17-15-15.

- 6' (11,501-507) Shale - Hard, black, calcareous, well indurated (or argillaceous limestone).
- 9' (11,507-16) Limestone - Hard, Gray to grayish-brown, finely crystalline, dense, fractured with fairly good staining and bleeding from fractures.
- 2' (11,516-18) Limestone - Hard, light-gray, dense, finely crystalline, slightly argillaceous, slightly fossiliferous, no show.
- 3' (11,518-21) Limestone - Same as above, only fractured with fairly good staining and bleeding from fractures.
- 6' (11,521-27) Limestone - Hard, gray, dense, finely crystalline, slightly argillaceous, slightly fractured with slight staining, scattered, and bleeding from fractures.
- 5' (11,527-32) Anhydrite - Hard, dark-gray, dense, with streaks of gray-black calcareous shale.
- 3' (11,532-35) Limestone - Hard, gray, dense, fine to medium crystalline, with intra-formational breccia (Top of Lower Massive Anhydrite 11,535).
- 16' (11,535-51) Anhydrite - Hard, white to gray, dense, massive.

Drill Stem Tests:

DST #1: Tested from 11,314 - 11,347
Top Packer - 11,307
Bottom Packer - 11,314
Top & Bottom Choke - Open
Tool open 12 hrs. Opened with good blow.
Recovered total fluid - 2550.
95' Rat Hole water
270' Salt Water
2185' Clean oil - 22.7 degree Gravity A.P.I.
Flaired gas for 6-3/4 hrs.

Initial Hydrostatic Mud Pressure - 5115
Initial Flow Pressure - 88
Final Flow Pressure - 1028
Shut in Pressure - 4273
Final Hydrostatic Mud Pressure - 5115

DST #2: Tested from 11,346 - 11,379 ✓
 Top Packer - 11,339
 Bottom Packer - 11,346
 Bomb at 11,327
 Top & Bottom Choke - Open
 Tool open 1 hr. 10 min.
 Eyeball blow - started and remained
 Total recovery - 280'
 185' Salt water with a trace of heavy black oil
 95' Rat Hole Water

Initial Hydrostatic Mud Pressure - 5170
 Initial Flow - 70
 Final Flow Pressure - 158
 Closed in Pressure - None
 Final Hydrostatic Mud Pressure - 5170

DST #3: Tested from 11,446 - 11,501 ✓
 Top Packer - 11,439
 Bottom Packer - 11,446
 Top & Bottom Choke - Open
 Tool open 5 hrs. 25 min.
 Opened with weak blow - continued for 40 minutes.
 Total Recovery - 765
 25' oil
 280' of Rat Hole Water
 460' Salt Water - slight cut with oil

Initial Hydrostatic Mud Pressure - 5185
 Initial Flow Pressure - 46
 Final Flow Pressure - 380
 Closed In Pressure - None
 Final Hydrostatic Mud Pressure - 5185

DST #4: Tested from 11,503 - 11,551
 5/8" bottom choke
 1" top choke
 Very slight blow
 Tool open 4 hrs
 Recovered 270' fluid (19' heavy black oil, 210' rat hole water, and 41' salt water).

Initial Hydrostatic Pressure - 5230
 Initial Flow Pressure - 68
 Final Flow Pressure - 140
 Final Hydrostatic Pressure - 523

DST #5: Tested from 11,462 - 11,486
 5/8" bottom chole
 1/2" top choke
 Packer @ 11,382
 Swabbed well 11 hours
 Estimated 2.1 bbls. per hour or 50.4 bbls. per day
 65% Salt Water - 35% oil

Fluid rose 150' to 200' in 1 hour and 20 minutes
Shut down 12 hours
Swabbing at 9860

DST #6: Tested from 11,325 - 11,339
5/8" bottom choke
1/4" top choke
Packer at 11,302
Checked top of fluid at 7320.
Swabbed - pulled first swab from 7850, rec. 3.1 bbls. of oil
Second swab from 8480, rec. 3.5 bbls. of oil - 22% water, 78% oil
Swabbed 11 hours - swabbed from 8480 down to 10100 - rec. 20.5
bbls. of fluid - 82.5% water and 17.5% oil
Estimated fluid rise - 125'
BHFP - 260
Final - 350
Closed in Pressure - 430
Hydrostatic Pressure - 4980

DST #7: Tested from 11,325 - 11,339
5/8" bottom choke
1/4" top choke
1500' water cushion
Packer @ 11,286
Tool opened 5 hours
Maximum pressure build up - 1.1b
Started swabbing - top of fluid at 4135'. Swabbed 5 hrs
and 20 minutes. Average rate - 8.5 bbls per hour - 204
bbls per day. Total of 45 bbls.
Top of fluid at 8185' - 85% spent acid water and 15% oil
Swabbed total of 34 hours and 30 minutes
Total fluid swabbed 139.1 lbs - 70% salt water and 30% oil

DST #8: Tested from 11,325 - 11,339
5/8" bottom choke
1/4" top choke
1500' water cushion
Packer at 11,282
Tool open 7 hours - top of fluid at 8500'
Started swabbing. Rec. 1860' fluid - 1500' water cushion
and 360' acid water
Hydrostatic Pressure - 5140

DST #9: Tested from 11,325 - 11,339
Packer at 11,286
5/8" bottom choke
1/4" top choke
1500' water cushion
Started swabbing - total fluid swabbed 432 bbls - 80% salt
water and 20% oil
Fluid at 5105' - swabbed 46 hours and 15 minutes

Hydrostatic Pressure - 5228
Initial Flow Pressure - 3245

Final flow Pressure - 3327
Closed Hydrostatic Pressure - 5228

DST #10: Tested from 11,322 - 11,328
5/8" bottom choke
1/4" top choke
Packer at 11,286'
Good blow - maximum pressure build up - 3 lbs.
Started swabbing - Fluid at 1425'
Total Fluid - 311.9 bbls. of fluid - 70% water and 30% oil

Initial Hydrostatic Pressure - 4900
Initial Flow pressure - 3163
Closed in Pressure - 4146
Final Hydrostatic Pressure 4979

DST #11: Tested from 11,322 - 11,339
5/8" bottom choke
1/4" top choke
Packer at 11,286' - maximum pressure build up 11 psi in 15 min.
Started swabbing. Fluid at 1760'
Swabbed 6 hours at rate of 13.9 bbls per hour - 333.6 bbls per day
Swabbed down to 4330' - swabbing from 5390. Approximately 6956'
of fluid - brackish salt water with a trace of oil

Initial Hydrostatic Pressure - 4900
Initial Flow Pressure - 3330
Final Flow Pressure - 3290
Closed in Pressure - 3695
Final Hydrostatic Pressure - 5090

Surveys: Schlumberger Electrical Log, Micro-log, Continuous Dipmeter,
Section Gauge, Gamma Ray Log, Lateral Log, Neutron Log and Velocity
Survey.

Completion Data: Perforations: 11,462-68 w/24, 11,353-56 w/12, 11,325-39 w/56,
11,327-37 w/60, 11,322-25 w/12, 11,325-27 w/8, 11,322-25 w/18,
11,325-27 w/4, 11,462-86 w/8", 11,515-35 w/80, 11,529-35 w/24.

Acidized: 11,468 - 11,486. Placed 3 bbls. acid Frac. (110 gals -
15% Muriatic Acid, 17 gals. Kerosene and 12 lbs. AT-2) and 2000
gals. Muriatic Acid - 15% or 47.6 bbls. (3.6 bbls. of 21.9 Baume
Muriatic Acid, 6.3 bbls. water, 5 gals. Morflo and 1 qt. Hercules
11 Inhibitor per 10 bbls. of 15% Acid). Squeezed 3 bbls. acid
frac. and 47.6 bbls. or 2000 gals. of acid into formation (11462-
11468, 11469-11479, 11480-11486) Initial squeeze pressure 4400
lbs. Final and maximum pressure 5300 lbs. Average rate, 50.5
bbls. per hour. Shut in for 2 hours - pressure dropped to
3600 lbs. Swabbed well 9 hours - 30.05 bbls - 75% salt water and
25% oil PH 5.0. Average rate 2.41 bbls. per hour or 57.84 bbls.
per day. 14.5 bbls of oil per day.

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Acidized: 11,325 - 11,339. Packer at 11,312 - Broke formation down with 6500 psi. - broke back to 2500 psi. using 1½ bbls. of water. Mixed 30 bbls. water, 5.2 bbls. of 21.9 Baume Muriatic 35% acid, 4.8 bbls. of kerosene, 3 qts. Hercules 11 Inhibitor, 160 lbs. A.T.B. Acid thickener and 800 lbs. sand = 40 bbls. of 5% acid frac. 3 bbls. water spacer, 20 bbls. water, with 20 gals. Morflo displaced with 65 bbls. of water. Initial squeeze pressure 4100 psi., maximum squeeze pressure 4400 psi., maximum and final pressure 4250 psi.

Acidized: 11,327 - 11,337. Packer at 11,310 - broke formation down with 2300 psi. Mixed 148 bbls. (6216 gals.) 15% muriatic acid - 21.9 Baume, 37.5 gals. Morflo, 16 qts. Hercules 11 Inhibitor. Pumped in 65 bbls. of water. Initial squeeze pressure 2100 psi. Pumped in at rate of 1.4 bbls. per minute with pressure gradually building up to 3900 psi. Closed in 1 hour and 15 minutes. Reversed out spent acid water and trace of oil. Set packer at 9600 - well flowed water at the rate of 5.7 bbls. per hour.

Acidized: 11,515 - 11,535 - packer at 11,264. Failed to break formation down with 6500 psi. Mixed 2 bbls. 35% Muriatic acid Baume 21.9, 3 bbls. of water, 5 gals. of Morflo to obtain 5 bbls. of 15% acid. Pumped in at the rate of 5.26 bbls. per hour. Recovered 1.5 bbls. Reversed acid out.

Acidized: 11,515 - 11,535 - Packer at 11,383. Broke formation down with 5700 psi., broke back to 4800 psi. Mixed 20 bbls. of acid frac., consisting of 6.4 bbls. of 21.9 Baume Muriatic Acid, 11.2 bbls. water, 2.4 bbls. diesel fuel, and 80 lbs. acid thickener "B". Squeezed out 3 bbls. of water and 20 bbls. of acid frac. mixture at rate of .77 bbls. per minute - 46.2 bbls. per hour. Initial squeeze pressure 5200 lbs., maximum and final pressure 5500 lbs.