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U.S.G.S.

LAND OFFICE

OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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 ☐

2. Name of Operator

Northwest Exploration Company

3. Address of Operator

P.O. Box 5800 T.A., Denver, CO 80217

4. Location of Well

UNIT LETTER E, 990 FEET FROM THE west LINE AND 1850 FEET FROMTHE north LINE, SECTION 26 TOWNSHIP 25N RANGE 2W NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

Gavilan

9. Well No.

#1-E

10. Field and Pool, or Wildcat

15. Elevation (Show whether DF, RT, GR, etc.)

7307' GR

12. County

Rio Arriba

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐ALTERING CASING ☐TEMPORARILY ABANDON ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐PULL OR ALTER CASING ☐CHANGE PLANS ☐CASING TEST AND CEMENT JOBS ☐OTHER ☒

OTHER Report of Drilling Operations
Week of 6-11-83 to 6-17-83

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.

Please see attached recaps of drilling operations.

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JUN 27 1983
OIL CON. DIV.
DIST. 3

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

SIGNED

Sally L. DuVall

TITLE

Regulatory Compliance
Coordinator

DATE June 23, 1983

APPROVED BY

Original Signed by FRANK T. CHAVEZ

TITLE

SUPERVISOR DISTRICT #2

DATE

CONDITIONS OF APPROVAL, IF ANY:

CAVILAN #1E

NW/4 Sec 26-T25N-R2W

RIO ARriba COUNTY, NEW MEXICO

(DEVELOPMENT)

T.D. - 6666' Gallup

7970' Dakota

GR - 7300'

- 6/11/83 DEPTH 6972'. Drilling in Gallup Fm. TIH. Lithology: Sandstone, grey, vfg, angular to sub-angular, shaley. BGG = 75 U. Shale, dark grey, silty in part, 10% Fluorescence; slow cut. 6966-68' = 80 U over BGG. Lithology description from rock recovered in globe basket run. BOB @ 6:40 a.m. Drlg @ 11"/ft. M.W. 8.5; Vis 38; WL 9.6; Cake 1/32; pH 7.5; Cl 600. Recap: Drlg to 6955'. TFB. Drlg to 6965' on junk. Trip for globe basket. TIH. Cut 18" core to catch junk. POOH. Recovered core with various pieces of 7" casing slip spacers. TIH with Bit #15.
- 6/12/83 DEPTH 7141'. Drilling. M.W. 8.5; Vis 37; WL 10. Cake 1/32; pH 7.5; Cl 600. Recap: Drlg & survey to 7078'. Circ samples. TFB #16. PU 4 additional collars. TIH. Lithology: Sandstone, light grey to grey, vfg, angular to sub-angular, shaley, some clay filling. Shale, grey to dark grey, silty in part. 6950-6960' - 10% fluor., light blue green, streaming cut. Deviation: 3° @ 6986', 2½° @ 7078', 2-3/4° @ 7141'.
- 6/13/83 DEPTH 7505'. Drilling. M.W. 8.6; Vis 39; WL 10.0; Cake 1/32; pH 7.5; Cl 600. Drlg to 7165' & lost 200-250 BM. Mix pill with LCM & regained circulation. Deviation: 2½° @ 7049', 2½° @ 7177', 2° @ 7294'. Corrected shows: (6967'-68' - 200 U); (6968'-6997' - 125 U); (6969'-6971' - 210 U); (6971'-6973' - 160 U); 6973'-6975' - 140 U); 6975'-6980' - 40-25 U); 6980'-6982' - 160 U); (6982'-6984' - 20 U); 6984'-6986' - 140 U); 6986'-7003' - 15-20 U); 7003'-7005 - 100 U; 7005' - 30 U. Current BGG = 20-25 U. N.S. Sandstone, grey-brown, fine to vfg, sub-angular, mostly shale, dark grey, silty, some calc, 10% or less dull gold fluor, slow to fair cut @ 7310'-7320', 7350'-7370', 7460'-7480'. Lost circ @ 7165' - about 250 BOM.
- 6/14/83 DEPTH 7820'. Drilling. Drlg rate 12'/hr. Small shows: Greenhorn - 15-20 U background. (7656-7661' - 40 U); (7661-7669' - 30 U); (7669'-7694' - 20 U); (7674-7701' - 15 U); (7701-7702' - 75 U); (7702-7709' - 25 U); (7709-7711' - 70 U - back to 40 U). Greenhorn Shale, dark grey, slightly calc, silty, sandy. Sandstone, tan to grey, fine to medium grained, sub-rounded, shaly. Deviation: 1½° @ 7607'. Top of Greenhorn @ 7650' (12' low to prognosis). Top of Dakota @ 7819' (prognosis).
M.W. 8.7; Vis 42; WL 8.0; Cake 1/32;
pH 8.0; Cl 600.

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OIL CON. DIV.

NW/4 Sec 26-T25N-R2W
RIO ARriba COUNTY, NEW MEXICO

(DEVELOPMENT)

T.D. - 6666' Gallup
7970' Dakota

GR - 7300'

- 5/15/83 DEPTH 7982'. Drilling in Dakota (11-12'/hr). Dakota Fm. Sandstone: cream to tan, vfg, sub-rounded, poorly sorted, clay filled. Sandstone: white-cream, fine grained, sub-rounded, well sorted. Shale: dark grey, fissile, calcareous. 7895-7896' - 100 U; 7910-7930' 40% lt yellow green fluorescence, w/lt cut; 7911-7914 - 300 U; 7930-7950' trace of C₅, 30% green fluor w/slight cut; BGG decreased to 25 U @ 7960'. M.W. 8.7; Vis 39; WL 7; Cake 1/32; pH 8; Cl 600. Trip for new bit #16. Trip in hole & resume drilling.
- 6/16/83 T.D. 8160'. Morrison Fm. Short trip, prep to log. Lithology: Shale, green, waxy. 7991-7993' - 250 U (near Base of Dakota) T.D. reached @ 6:40 a.m. Base of Last Sand @ 8125' (Burro Canyon) 35' of rat hole. Will start logging this p.m. M.W. 8.7; Vis 38; WL 6.0; Cake 1/32; pH 8.5; Cl 600.
- 6/17/83 T.D. 8160'. Running 4½" production csg. M.W. 8.8; Vis 58; WL 5. Recap: T.D. @ 0700 hrs 6/16/83. Circ & condition for logs. POOH. RU logger. 'Loggers TD @ 8157'. Logged. RIH & condition for casing. POOH. LD DP & collars. RU & run 4½" production csg. Dev: 3/4° @ 8138'.

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