

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

NEW MEXICO OIL CONSERVATION COMMISSION

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Northwest Exploration Company	8. Farm or Lease Name Gavilan
3. Address of Operator P.O. Box 5800 T.A., Denver, CO 80217	9. Well No. #1E
4. Location of Well UNIT LETTER <u>E</u> <u>990</u> FEET FROM THE <u>west</u> LINE AND <u>1850</u> FEET FROM THE <u>north</u> LINE, SECTION <u>26</u> TOWNSHIP <u>25N</u> RANGE <u>2W</u> NMPM.	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 ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

OTHER ☒ Report of Drilling Operations
Week of 5-21-83 to 5-27-83

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.

RECEIVED
JUN 6 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. DuVal

TITLE Regulatory Compliance Coordinator

DATE June 1, 1983

APPROVED BY Frank J. Chang

TITLE SUPERVISOR DISTRICT # 3

DATE JUN 6 - 1983

CONDITIONS OF APPROVAL, IF ANY:

GAVILAN #1E

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

(DEVELOPMENT)

T.D. - 6666' Gallup
7970' Dakota
GR - 7300'

5/15/83 MIRT.

5/16/83 DEPTH 400'. Drilling. Spud @ 0945 hrs on 5/15/83. M.W. 8.6; Vis 28. API FILT 12. C&C hole. POOH. Ran 6 jts 9-5/8" 32.3#/ft H-40 ST&C, set @ 265'. Cmt w/200 sx Cl"H", 2% CaCl₂, 1/4#/sk celloflake. down @ 1700 hrs 5/15/83 w/good returns. WOC 12 hrs. NU BOP. to 500 psi - OK. Drill out shoe. Deviation: 1/2° @ 290'.

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JUN 6 1983

5/17/83 DEPTH 2534'. Drilling. M.W. 8.9; Vis 30; WL 9.8. Drlg & survey to 1968'. TFB #3. Drl to 2534'. Correction: 9-5/8" csg set @ 278' KB. Cmt w/160 sx Cl"B", 3% CaCl₂, 1/4#/sk celloflake. Other data in 5-16-83 report correct. Svy's: 3/4° @ 530', 1° @ 775', 2° @ 1026', 2 1/2° @ 1149', 2 1/2° @ 1212', 1305', 2° @ 1366', 2° @ 1439', 2° @ 1552', 1-3/4° @ 1679', 2° @ 1928', 1 1/2° @ 2126', 2° @ 2378', 1 1/2° @ 2534'.

OIL CON. DIV.
DIST. C

5/18/83 DEPTH 3548'. Drilling. M.W. 8.9; Vis 37; WL 8; Chl 550. Recap: Drlg to 3098'. TFB. Wash 60' to bottom. Drl to 3505'. Lost 150 bbls mud in top of Lewis. Mixed LCM (20%). Regained circulation. Continue drlg. Deviation: 2° @ 2808', 1 1/4° @ 3058', 1 1/2° @ 3307'.

5/19/83 DEPTH 4130'. Drilling. M.W. 8.9; Vis 33; WL 8; Chl 600. Deviation: 1 1/4° @ 3628', 3/4° @ 3876', 1° @ 4024'.

5/20/83 DEPTH 4751'. Drilling. POOH for Bit @ 4751'. M.W. 8.8+; Vis 33; WL 10 cc; Chl 600. Tight hole from 4200' - 4250'. Deviation: 3/4° @ 4336'.

5/21/83 DEPTH 5120'. Drilling in Cliffhouse Fm. M.W. 9.2; Vis 40; WL 8.5; pH 8.5; Cl 600. TFB @ 5098'. TFB #6. Slip & cut drlg line. Resume drlg & svy to 5098'. Circ & trip for new bit. Deviation: 1° @ 4751', 1/2° @ 5056'. Lithology: Shale. BGG = 20 U @ 4812'. 75-100 U within 13' of 4812'. Trip @ 5100'. BOB @ 7:30 a.m. Gas - C₄ near Top of Pictured Cliffs. C₃ in Fruitland.

5/22/83 DEPTH 5784'. Drilling in Pt. Lookout Fm. M.W. 9.2; Vis 40; WL 8.5; pH 8.5; Cl 600. Deviation: 3/4° @ 5559'. Lithology: FG to VFG, grey Sandstone, w/some crush cut fluorescence.

GAVILAN #1E

NW/4 Sec 26-T25N-R2W

RIO ARriba COUNTY, NEW MEXICO

(DEVELOPMENT)

T.D. - 6666' Gallup

7970' Dakota

GR - 7300'

5/23/83 DEPTH 6070'. Drilling. Short trip. M.W. 9.2; Vis 40; WL 8.5; Cake 1/32; pH 8.5; Cl 600. Mancos Shale (grey, brown). 5938'-5943' 600 incl. BGG (250-300 U) 4½"/ft. Intermed. csg pt - 7:55 a.m. Short trip, C&C mud 2 hrs. TOOH to log. Mud logger shows (w/100 U BGG):

Cliffhouse:	5177-5182'	300 U total
	5190-5202'	2200 U total
	5212-5217'	1700 U total
	5220-5224'	1550 U total

Menefee:	5242'-5245'	2150 U total
	5251-5270'	2450 U total
	5315-5320'	950 U total
	5354-5370'	850 U total
	5377-5379'	1750 U total
	5392-5394'	1250 U total

Point Lookout:	5527-5537'	2850 U total	(Coal)
	5565-5655'	2000 U total	(Yellow Fl & faint cut when crushed)

Deviation: 3/4° @ 5806'.

5/24/83 DEPTH 6070'. Drlg & survey to 6070'. T.D. intermediate hole. Short trip 10 stds. C&C hole 1½ hrs. TOOH to log. RU Gearhart & run open hole logs IES/GR (surface to T.D.), FDC/CNL/CAL through Mesa Verde. TIH & LD collars & DP. Check pipe rams. RU & run 7" casing. Lost circ when running intermediate casing string (approx 20 stands off bottom). Lost circ zone suspected to be in Pictured Cliffs. Presently working on lost circulation. M.W. 9.2; Vis 40; WL 8.5; Cake 1/32; pH 8.5; Cl 600. Deviation: 3/4° @ 6070'.

5/25/83 DEPTH 6070'. Anticipate Top of Gallup @ 6660'. Mud: Drlg w/air. Mixed & pumped 400 bbls mud w/30#/bbl LCM (no mud displacement while running 7" csg), no returns. Ran csg to T.D. & pumped a 100 bbl pill w/300#/bbl LCM. No returns. Ran 149 jts 20 & 23#/ft K-55 csg (6088.94'). Set at 6070' KB. DV tool set @ 3457'. Cmt 1st stage w/450 sks 65/35 poz mix, 6% gel, & 6½#/sk gilsonite. Tailed in w/150 sx Cl"B". Regained circ while mixing & pumping cement slurry, but lost 75% returns during last 40 bbls displacement. Bumped plug, floats held. Opened DV tool & circ 2 hrs w/full returns. Cmt 2nd stage w/65 sx 65/35 poz mix, 6% gel, 6½#/sk gilsonite. Tailed in w/50 sx Cl"B". Received full returns. Closed DV tool @ 1800 hrs 5/24/83. Set slips & cut off csg. WOC 12 hrs. RIH w/6½" bit to drill out DV tool & cmt. (Circulation restored by approx 10:30 a.m. 5/24/83.)

GAVILAN #1E

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

(DEVELOPMENT)

T.D. - 6666' Gallup
7970' Dakota
GR - 7300'

5/26/83 DEPTH 6833'. Trip for svy verification @ 6833' in Gallup Fm. Drlg with air. RIH w/6½" bit. Drill out DV tool @ 3545', FC @ 6022' & guide shoe @ 6066' w/air. Dry hole, resume drlg (dusting) & surveying. Trip for svy: 2-3/4° @ 6370', bit @ 6563'; 5° @ 6507', bit @ 6700'; 8° @ 6633', bit @ 6826'. Lithology: Mancos/Gallup interval - grey to grey-brown Shale, silty in part, some quartz grains apparent; Show - 6812'-6814' - 2700 U, C₁ 80%; C₂ 15%; C₃ 4%; C₄ 1%.

5/27/83 DEPTH 6833'. Sidetracking (fanning) hole @ 6125' due to 11° deviation. Recap: Drlg w/air. Trip for re-svy. LD square collar & fire stop. RIH & re-svy starting @ 6825'. Start time drlg @ 6140' attempting to sidetrack without setting cmt plugs. Time drld to 6176' w/an apparent ledge developed @ report time. Svy: 11° @ 6825', 8½° @ 6575', 2-3/4° @ 6325', 2° @ 6200', 1-3/4° @ 6170', 3/4° @ 6140'.