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# 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 <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(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.)</small>		
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. #1-E
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 <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
OTHER <u>Report of Drilling Operations</u> <input checked="" type="checkbox"/> <u>Week of 6-4-83 to 6-10-83</u>		OTHER <input type="checkbox"/>	
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 15 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 13, 1983

APPROVED BY \_\_\_\_\_ TITLE SUPERVISOR DISTRICT # 1 DATE JUN 15 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'

- 6/01/83 DEPTH 6228'. Drlg with air. WOC. Squeezed 7" csg shoe. WOC 18 hrs total. RIH w/bit & drilled cmt 887'-1049' KB. Test csg to 1800 psi - OK. POOH. RIH w/stinger assembly. Circ out bottoms up. Stung into retainer & established rate of 2½ BPM @ 800 psi. Squeezed csg shoe w/155 sx C1"B", 2% CaCl<sub>2</sub> & 10#/sk sand. Staged cmt final pressure 1300 psi. Check flow back - none. Reversed out 4 bbls slurry. POOH. WOC. Job finished.
- 6/02/83 DEPTH 6224'. Drilling & dusting @ 6224'. Drlg with air. WOC 18 hrs. RIH with bit to 6046'. Blew hole dry with air. Drlg cmt retainer @ 6053' & cmt to 6224'. Dusting. Deviation: 1¼° @ 6170', 1¼° @ 6210'.
- 6/03/83 DEPTH 6346'. Drilling with air & dusting. Day 19. Drill & survey to 6271'. TFB. Install square collar & fire stop. Resumed drilling & surveying. Deviation: 2° @ 6232', 1-3/4° @ 6264', 1-3/4° @ 6286', 1-3/4° @ 6319'.
- 6/04/83 DEPTH 6556'. Drlg & dusting @ 6556'. Drlg with air. Drlg & survey to 6556'. Maximum weight on Bit 10,000#. Avg WOB 6000#. Dusting. Deviation's: 1-3/4° @ 6351', 2° @ 6382' & 6414', 1-3/4° @ 6445', 2¼° @ 6477', 2-3/4° @ 6508', 2¼° @ 6540'.
- 6/05/83 DEPTH 6674'. Drilling. Drlg with air. Drl & survey to 6674'. Trip to inspect bit. RIH with new bit to 138'. Could not get below. Pulled 25,000# over to pull out of tight spot. POOH. Inspected bit & found 1 shank with paint scratched off. No marks or gouges. PU bit #11; RR. RIH & rotated through tight spot. RIH & resumed drlg & dusting. Deviation: 2° @ 6571', 2¼° @ 6601', 2° @ 6665'.
- 6/06/83 DEPTH 6739'. Drilling. Drlg with air. Drl to 6682' & hole stopped dusting. Pulled into 7" csg. Blew hole dry. POOH. LD square collar. PU new bit & RIH. Blew hole to dry up. Hole started dusting @ 2150 hrs, 6692'. Drlg & svy to 6739'. POOH to install square collars. Deviation: 2¼° @ 6699', 3° @ 6730'.
- P.M. Report DEPTH 6739'. Deviation: 2-1/2° @ 6633'. Almost no gas picked up in new hole (@ 6800' in old hole). About 100' from T.D. of old hole, csg parted (hole in pipe) @ 137'.

GAVILAN #1E

NW/4 Sec 26-T25N-R2W

RIO ARriba COUNTY, NEW MEXICO

(DEVELOPMENT)

T.D. - 6666' Gallup

7970' Dakota

GR - 7300'

- 6/07/83 DEPTH 6884'. Drilling. Drlg with air. Drill to 6825' dusting. Survey. Hole stopped dusting. Blow hole attempting to dry. Drlg to 6875' w/no formation returns, but have metal shavings in samples. Blow hole. Attempt to dry up. Deviation: 2-3/4° 6761', 2-3/4° @ 6793', 3° @ 6825' & 6850', 3° @ 6856'. (Drlg @ 15"/ft) 1000 to 2000# on bit. Show: 6801'-6804' - log 2700 U (good flare). 25 Units after show, 450 U up to 6850', afterward increased 50 U (getting metal cuttings). No samples in Gallup Fm.
- 6/08/83 DEPTH 6882' (corrected depth) Drilling w/air. Pulled into 7" csg. Blow hole. Hole would not dust. POOH. LD square collar & PU new bit. TIH - hit tight spot @ 138'. Fell through. RIH to 1065'. Blew hole. RIH to 6053'. Blow hole. RIH to 6682'. Blow hole. Hole not dusting. Recovered small amount of water. (Square collar that was layed down had mud cake build-up with oil stain).  
Geologist's Report: Blowing hole, trying to dry up - 2 stands off bottom. LD square collar, collar with oily dust, light yellow fluor and good cut. Last stage of drying up hole - recovered some water, no oil. C<sub>5</sub> - 6848' - no increase in total gas, difference in make-up of gas - trace.
- 6/09/83 DEPTH 6914'. Mixing mud & prep to mud up. Gallup Fm. Surged hole approximately 4 times. BGG = 400 U - 6899'-6908' - 150 U above background. 6912'-6914' - 50 U above background. Trace of Limestone in both shows. No samples. Recap: Blew hole @ 6682'. TIH to 6684'. Blew hole for 3 hrs (trace of water). Drlg 2'-4' & work pipe for a total of 30'. No formation cuttings return but did recover trace of water. Blew hole @ 6914'. Attempted to surge hole with 300 psig. SI air pressure. Recovered only a few pieces of mud cake. Pumped soap & surged well without any recovery. POOH. ND BOP. Had too much gas to proceed with repairing 7" csg in dry hole. NU BOP. TIH to 6053'. Prep to mud up. Mixing mud. Deviation: 3° @ 6888'.
- 6/10/83 DEPTH 6955'. Drilling with mud. M.W. 8.5; Vis 36; WL 16; Cake 2/32. Making new hole @ 0200 hrs 6/09/83. Drlg rate: 8-12"/ft - N.S. - 1-2 U BGG. Gallup Fm: Silty shale. pH 7.5; Cl 600.  
Recap: TIH to 6044'. Mix & load hole with mud. Pumped 425 bbls, lost 170 bbls before getting circulation. POOH. ND BOP. PU 7" csg spear. RIH. Latch on 7" csg in csg head. Pulled parted pipe (137') out of hole. Pin parted in box. LD 7" csg. PU 7" I.D. csg cutter. Cut off csg stub @ 144'. POOH & PU 7" csg patch on new 7" csg. RIH. Set patch. Pulled 40,000#. Set new slips with 38,000# tension. NU BOP & new spool (11" 900 x 11" 900 Rector). RIH & break circ @ 6043'. Wash & ream to 6914'. Drlg to 6925'. Svy. Drlg to 6930', lost 200 BM. Drlg to 6951', hole seeping mud, an additional 50 bbls. Deviation: 3° @ 6925'.