

NEW MEXICO OIL CONSERVATION COMMISSION

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U.S.G.S.	
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- 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 <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. 15. Elevation (Show whether DF, RT, GR, etc.) <u>7307' GR</u>	7. Unit Agreement Name 8. Farm or Lease Name Gavilan 9. Well No. #1-E 10. Field and Pool, or Wildcat 12. County Rio Arriba
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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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>Report of Drilling Operations</u> <input checked="" type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>
OTHER <u>Week of 5-28-83 to 6-3-83</u> <input checked="" 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 9 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 <u>Sally L. DuWall</u> Sally L. DuWall	TITLE <u>Regulatory Compliance Coordinator</u>	DATE <u>June 6, 1983</u>
Original Signed by <u>FRANK T. HAVAZ</u>	TITLE <u>SUPERVISOR DISTRICT # 3</u>	DATE <u>JUN 9 1983</u>
APPROVED BY _____	TITLE _____	DATE _____
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'

- 5/26/83 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. C<sub>1</sub> 80%; C<sub>2</sub> 15%; C<sub>3</sub> 4%; C<sub>4</sub> 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'.
- 5/28/83 DEPTH 6229'. Sidetracked hole and tripping in Mancos Fm. Drlg w/air. Time drilled & surveyed to 6200'. At 6200' hole will take 10,000 - 12,000# weight. At 0330 a.m. 5/28/83 hole became wet. Pulled into intermediate csg @ 6070' & attempted to dry hole. 75-100 U BGG. Deviation: 1½° @ 6170', 1½° @ 6200'.
- 5/29/83 DEPTH 6228'. No mud reported. POOH - WOO. TIH to 5945', 5985', 6008', 6048', 6066', 6076' & blew hole. Blew hole @ 6111' & 6138' for 1 hr. Blew hole @ 6228' for three hrs. Recovered water. POOH. Strap pipe. PU Halco cmt retainer. TIH Set ret @ 6053'. Loaded csg. Attempt to pressure test csg. Pumped in @ 2 BPM w/800 psi. POOH to PU ret pkr to isolate 7" csg leak.
- 5/30/83 DEPTH 6228'. No mud reported. Finish POOH w/cmt stinger. PU ret pkr RIH to 3568'. Tested csg below - OK. Leaked above. Tested csg to 1626'. Attempted to test @ 1000'. Packer would not hold. Trip for tension type packer. Isolated leak @ 1045'-1050'. Squeezed w/60 sx C1"B", 2% CaCl<sub>2</sub>. Initial inj pressure 400 psi. Final injection pressure 200 psi. POOH. WOC.
- 5/31/83 DEPTH 6228'. No mud reported. WOC. TIH to 990'. Drill cmt to 1050'. TIH to 1103'. Pressure test csg to 1800 psi. Would not test. POOH. Close blind rams. Prs test to 1100 psi. PU Howco RTTS packer. TIH to 859'. Set pkr. Wait on bulk truck. Squeezed csg leak 1045' - 1050' w/100 sx C1"B" w/3% CaCl<sub>2</sub> @ 1½ BPM @ 1400 psi. Max 2400 psi. ISIP = 2300 psi, 7 min - 2250 psi. No flow back. Reversed out, no cmt. POOH & WOC. Cmt in place @ 1900 hrs 5/30/83.

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T.D. - 6666' Gallup

7970' Dakota

GR - 7300'

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- 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  $2\frac{1}{2}$  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:  $1\frac{1}{4}^{\circ}$  @ 6170',  $1\frac{1}{4}^{\circ}$  @ 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:  $2^{\circ}$  @ 6232',  $1-3/4^{\circ}$  @ 6264',  $1-3/4^{\circ}$  @ 6286',  $1-3/4^{\circ}$  @ 6319'.