

April 23, 1957



Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: Application for Dual Completion of
Northwest Production Corporation's
Well 1-4, Blanco 30-12, located in
Section 4, T30N, R12W, San Juan County,
New Mexico

Attention: Mr. A. L. Porter

Gentlemen:

In accordance with Rule 112 (c) of the Commission Rules and Regulations, Northwest Production Corporation requests final approval for the dual completion of Well 1-4, Blanco 30-12, in the Fruitland and Mesaverde formations. Tentative approval of the plan for drilling and equipping the well was received from Mr. Harry C. Arnold on March 6, 1957.

Following is a resume of the work performed on Well 1-4, Blanco 30-12, which is located 1695 feet from the North line and 875 feet from the East line of Section 4, T30N, R12W, San Juan County, New Mexico.

1. Intermediate casing (7-5/8 inch OD) was set at 2490 feet.
2. A 6-3/4 inch hole was drilled to 4645 feet and a 5-1/2 inch liner was cemented at 4645 feet with a Burns liner hanger at 2368.54 feet. A 4-3/4 inch hole was drilled below the 5-1/2 inch liner to a depth of 4840 feet and plugged back to 4778 feet.
3. The lower Mesaverde was fractured in open hole from 4645 feet to 4778 feet using water and sand.
4. A bridge plug was set at 4634 feet, the 5-1/2 inch liner was perforated from 4578 to 4630 feet and the upper Mesaverde was fractured using water and sand.
5. The well was completed October 29, 1956 in the Mesaverde formation with an absolute open flow of 322 Mcfd.
6. A completion unit was moved in on location February 28, 1957. The 7-5/8 inch casing was perforated from 1984 to 2128 feet, a bridge plug was set at 2480 feet and the Fruitland formation was fractured using water and sand. The bridge plug was retrieved and the hole cleaned out to 4778 feet.



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7. Two inch EUE tubing was hung at 4603.61 feet with a Baker "B&J" production packer set at 4590.41 feet and an Otis side-door choke at 4499.41 feet.

The three hour absolute open flow from the Mesaverde tubing completion was 733 Mcf/D taken on April 11, 1957. The Fruitland tubing-casing annulus completion had an absolute open flow of 2,121 Mcf/D taken April 12, 1957.

Attached for your information is a diagrammatic sketch of the dual with pertinent data of the completion. Copies of production tests, packer leakage test and packer setting affidavit are also attached.

According to our records, Astec Oil and Gas Company, 929 Mercantile Securities Building, Dallas, Texas, owns mineral rights on acreage affecting our Well 1-4, Blanco 30-12. Notice of our intention to dually complete the well was given this operator, as evidenced by the attached registered receipt.

Should you desire additional information regarding Well 1-4, Blanco 30-12, before a final order is issued approving this dual completion, please advise.

Yours very truly,

ORIGINAL SIGNED BY
W. R. JOHNSTON

W. R. Johnston, Manager
Production Operations

RP/nt

In duplicate

cc: Oil Conservation Commission ✓
120 East Chaco
Altec, New Mexico

U. S. Geological Survey
P. O. Box 983
Farmington, New Mexico

[illegible]

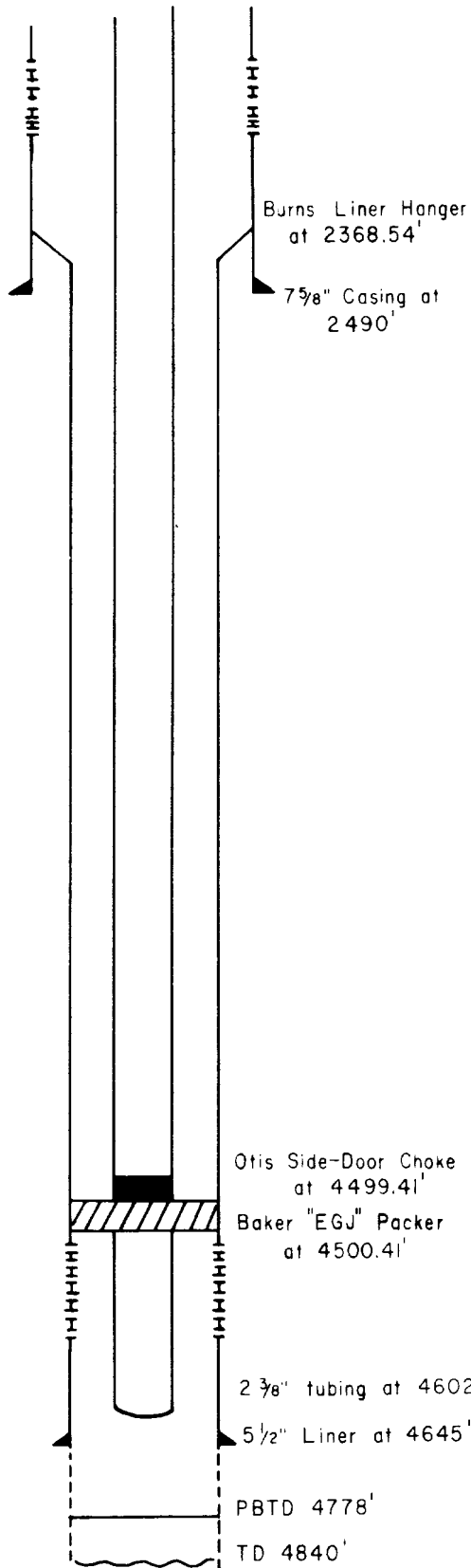
1. The first part of the document is a letter from the author to the reader, explaining the purpose of the study and the methods used. The letter is dated 1968 and is addressed to the reader.

1. The first part of the report, "Introduction", discusses the importance of the study and the objectives of the research. It also provides a brief overview of the methodology used in the study.

101-27472-10410-10411-10412-10413-10414-10415-10416-10417-10418-10419-10420-10421-10422-10423-10424-10425-10426-10427-10428-10429-10430-10431-10432-10433-10434-10435-10436-10437-10438-10439-10440-10441-10442-10443-10444-10445-10446-10447-10448-10449-10450-10451-10452-10453-10454-10455-10456-10457-10458-10459-10460-10461-10462-10463-10464-10465-10466-10467-10468-10469-10470-10471-10472-10473-10474-10475-10476-10477-10478-10479-10480-10481-10482-10483-10484-10485-10486-10487-10488-10489-10490-10491-10492-10493-10494-10495-10496-10497-10498-10499-10500-10501-10502-10503-10504-10505-10506-10507-10508-10509-10510-10511-10512-10513-10514-10515-10516-10517-10518-10519-10520-10521-10522-10523-10524-10525-10526-10527-10528-10529-10530-10531-10532-10533-10534-10535-10536-10537-10538-10539-10540-10541-10542-10543-10544-10545-10546-10547-10548-10549-10550-10551-10552-10553-10554-10555-10556-10557-10558-10559-10560-10561-10562-10563-10564-10565-10566-10567-10568-10569-10570-10571-10572-10573-10574-10575-10576-10577-10578-10579-10580-10581-10582-10583-10584-10585-10586-10587-10588-10589-10590-10591-10592-10593-10594-10595-10596-10597-10598-10599-10600-10601-10602-10603-10604-10605-10606-10607-10608-10609-10610-10611-10612-10613-10614-10615-10616-10617-10618-10619-10620-10621-10622-10623-10624-10625-10626-10627-10628-10629-10630-10631-10632-10633-10634-10635-10636-10637-10638-10639-10640-10641-10642-10643-10644-10645-10646-10647-10648-10649-10650-10651-10652-10653-10654-10655-10656-10657-10658-10659-10660-10661-10662-10663-10664-10665-10666-10667-10668-10669-10670-10671-10672-10673-10674-10675-10676-10677-10678-10679-10680-10681-10682-10683-10684-10685-10686-10687-10688-10689-10690-10691-10692-10693-10694-10695-10696-10697-10698-10699-10700-10701-10702-10703-10704-10705-10706-10707-10708-10709-10710-10711-10712-10713-10714-10715-10716-10717-10718-10719-10720-10721-10722-10723-10724-10725-10726-10727-10728-10729-10730-10731-10732-10733-10734-10735-10736-10737-10738-10739-10740-10741-10742-10743-10744-10745-10746-10747-10748-10749-10750-10751-10752-10753-10754-10755-10756-10757-10758-10759-10760-10761-10762-10763-10764-10765-10766-10767-10768-10769-10770-10771-10772-10773-10774-10775-10776-10777-10778-10779-10780-10781-10782-10783-10784-10785-10786-10787-10788-10789-10790-10791-10792-10793-10794-10795-10796-10797-10798-10799-10800-10801-10802-10803-10804-10805-10806-10807-10808-10809-10810-10811-10812-10813-10814-10815-10816-10817-10818-10819-10820-10821-10822-10823-10824-10825-10826-10827-10828-10829-10830-10831-10832-10833-10834-10835-10836-10837-10838-10839-10840-10841-10842-10843-10844-10845-10846-10847-10848-10849-10850-10851-10852-10853-10854-10855-10856-10857-10858-10859-10860-10861-10862-10863-10864-10865-10866-10867-10868-10869-10870-10871-10872-10873-10874-10875-10876-10877-10878-10879-10880-10881-10882-10883-10884-10885-10886-10887-10888-10889-10890-10891-10892-10893-10894-10895-10896-10897-10898-10899-10900-10901-10902-10903-10904-10905-10906-10907-10908-10909-10910-10911-10912-10913-10914-10915-10916-10917-10918-10919-10920-10921-10922-10923-10924-10925-10926-10927-10928-10929-10930-10931-10932-10933-10934-10935-10936-10937-10938-10939-10940-10941-10942-10943-10944-10945-10946-10947-10948-10949-10950-10951-10952-10953-10954-10955-10956-10957-10958-10959-10960-10961-10962-10963-10964-10965-10966-10967-10968-10969-10970-10971-10972-10973-10974-10975-10976-10977-10978-10979-10980-10981-10982-10983-10984-10985-10986-10987-10988-10989-10990-10991-10992-10993-10994-10995-10996-10997-10998-10999-11000-11001-11002-11003-11004-11005-11006-11007-11008-11009-11010-11011-11012-11013-11014-11015-11016-11017-11018-11019-11020-11021-11022-11023-11024-11025-11026-11027-11028-11029-11030-11031-11032-11033-11034-11035-11036-11037-11038-11039-11040-11041-11042-11043-11044-11045-11046-11047-11048-11049-11050-11051-11052-11053-11054-11055-11056-11057-11058-11059-11060-11061-11062-11063-11064-11065-11066-11067-11068-11069-11070-11071-11072-11073-11074-11075-11076-11077-11078-11079-11080-11081-11082-11083-11084-11085-11086-11087-11088-11089-1

FRUITLAND DATA

TOP OF FRUITLAND: 1880'
 BOTTOM OF FRUITLAND: 2275'
 PERFORATIONS: 1964-1974'
 2052-2058', 2192-2198'



MESAVERDE DATA

TOP OF MESAVERDE: 3820'
 BOTTOM OF MESAVERDE: 4790'
 PERFORATIONS: 4578-4604'
 4624-4630'
 OPEN HOLE: 4645-4778'

Otis Side-Door Choke
 at 4499.41'
 Baker "EGJ" Packer
 at 4500.41'

2 3/8" tubing at 4602.01'
 5 1/2" Liner at 4645'

PBTD 4778'
 TD 4840'

DIAGRAMATIC SKETCH OF DUAL GAS
 COMPLETION FOR BLANCO 30-12, WELL 1-4

NORTHWEST PRODUCTION CORPORATION
 ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION
 OF BLANCO 30-12, WELL 1-4 IN
 FRUITLAND AND MESAVERDE FORMATIONS

SAN JUAN COUNTY
 NEW MEXICO

LEASE SF 081239

Drawn W H McGahey

Scale 400' = 1"

Approved: Ray Phillips

Date 4-17-57