State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-039-07403

1. **Type of Well**
GAS

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
MERIDIAN OIL

7. **Lease Name/Unit Name**
San Juan 28-5 Unit

8. **Well No.**
34

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Blanco MV/Basin DK

4. **Location of Well, Footage, Sec., T, R, M**
990'FSL, 990'FWL, Sec.18, T-28-N, R-5-W, NMPM, Rio Arriba County

10. **Elevation:**

Type of Submission	Type of Action		
_X_ Notice of Intent	___ Abandonment	___ Change of Plans	
	___ Recompletion	___ New Construction	
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing	
	___ Casing Repair	___ Water Shut off	
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection	
	_X_ Other - Pay add		

13. Describe Proposed or Completed Operations

It is intended to add pay to the Dakota formation of the subject well in the following manner:

MIRU. ND WH. NU BOP. Test BOP. TOOH with packer and tubing. Run logs. Selectively reperforate the Dakota interval. Fracture stimulate Dakota with sand and gelled wtr. Clean out to total depth after frac. Rerun packer and tubing. Return the well to production.

RECEIVED
JAN 11 1996
DIV.

SIGNATURE _____ (SHL8) Regulatory Administrator January 10, 1996

(This space for State Use)

Approved by Original Signed by FRANK T CHAVEZ **Title** _____ **Date** JAN 11 1996

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

RECEIVED
APR 17 1996
OIL CON. DIV.
DIST. 3

API # (assigned by OCD)
30-039-07403

5. **Lease Number**
Fee

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PO Box 4289, Farmington, NM 87499 (505) 326-9700

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Blanco MV/Basin DK

10. **Elevation:**

4. **Location of Well, Footage, Sec., T, R, M**
990'FSL, 990'FWL, Sec.18, T-28-N, R-5-W, NMPM, San Juan County

Type of Submission	**Type of Action**	
___ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
_X_ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Dakota pay add	

13. Describe Proposed or Completed Operations

3-27-96 MIRU. ND WH. NU BOP. TOOH w/1 1/4" tbg. TIH w/free point, seal assembly stuck in pkr. Jar seal assembly. TOOH w/seal assembly.

3-28-96 TIH w/pkr picker. Mill over Model "D" pkr. TOOH w/mill & pkr. TIH w/5" csg scraper.

3-29-96 TIH to lnr top. TOOH. TIH w/taper mill. Mill junk on lnr top. TOOH. TIH w/fishing tools.

3-30-96 Fishing.

3-31-96 TOOH w/fish & fishing tools. TIH w/7" RBP, set @ 5115'. Load hole w/KCl wtr. PT csg to 1000 psi/15 min, OK. TOOH w/RBP. TIH, tag junk @ 7786'. TOOH. TIH w/csg scraper, tag fill @ 7786'. Drill & chase junk to 7900'. TOOH. RU, ran CBL-CCL-GR @ 7420-7889', good bond over logged interval. Set CIBP @ 7870'.

4-1-96 Perf Dakota w/2 SPF @ 7840-7850 w/22 holes total. TOOH. TIH w/straddle pkrs. PT pkrs to 3500 psi, OK. TOOH w/pkrs.

4-2-96 TIH, reset bottom pkr @ 7738'. Cannot release pkr. TIH w/free point to top of of pkr. Chemical cut tbg @ 7728'. TOOH w/tbg. TIH, engage fish. Release pkr, TOOH.

4-3-96 TIH, ran CCL log. Spot gel across frac lnr. Unable to move pkrs up or down. TIH, set bottom pkr @ 7732', set top pkr @ 7656'. Frac lower Dakota w/ 77,000# 20/40 Super DC sd, 1295 bbl 40# x-link gel. SI for sd to set. Attempt to release pkrs, stuck.

Continued on back

SIGNATURE [signature] Regulatory Administrator April 15, 1996

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH **Title** DEPUTY OIL & GAS INSPECTOR, DIST. #3 **Date** APR 17 1996

4-4-96 TOOH w/1 pkr. Left bottom pkr in hole. TIH w/fishing tools. Fishing. TOOH w/fish & fishing tools. TIH w/5" RBP, set @ 7690'.

4-5-96 TIH w/FB pkr. PT RBP to 3800 psi, OK. TOOH w/pkr. Dump sd on RBP. Perf Dakota w/2 SPF @ 7622-7636', 7666-7671' w/42 0.34" diameter holes total. TIH w/pkr, set @ 7500'. Spot acid @ 7671'. Reset pkr @ 7500'. Acidize w/20 bbl 15% Hcl. Frac Dakota w/52,000# 20/40 Super DC sd, 745 bbl 40# x-link gel. SI for sd to set. Release pkr, TOOH.

4-6-96 Blow well & CO.

4-7-96 Blow well & CO. TOOH.

4-8-96 TIH w/retrieving tool, blow well & CO. Latch RBP, TOOH. TIH, blow well & CO.

4-9-96 Blow well & CO.

4-10-96 TOOH. TIH, mill on CIBP @ 7870'. Circ hole clean. TOOH w/mill. TIH, blow well & CO.

4-11-96 Blow well & CO. TOOH. RU, ran after frac log @ 7500-7897'. RD. TIH w/Model "D" pkr, set @ 7250'. TOOH. TIH w/232 jts 2 3/8" 4.7# J-55 EUE 8RD tbg, landed @ 7840'. TOOH TIH w/189 jts 1 1/4" 2.9# J-55 tbg, landed @ 5681'. ND BOP. NU WH.

4-12-96 RD. Rig released.

335 - 351
Stand

STATE OF NEW MEXICO
ENERGY and MINERALS
DEPARTMENT
This form is not to
be used for reporting
packer leakage tests
in Southeast New Mexico

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator MERIDIAN OIL INC. Lease SAN JUAN 28-5 UNIT Well No. 34

Location of Well: Unit M Sect. 18 Twp. 028N Rge. 005W County RIO ARRIBA

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	MESAVERDE	GAS	FLOW	TUBING
Lower Completion	DAKOTA	GAS	FLOW	TUBING

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	11 AM 10-2-96	8 days	T 446 C 452	YES
Lower Completion	11 AM 10-2-96	6 days	T 443	YES

FLOW TEST NO. 1

Commenced at (hour,date)* 11 AM 10-2-96 Zone producing (Upper or Lower) Lower

TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE TEMP.	REMARKS
1500 10-7-96	6 days	T 446 C 452	T-443		
1500 10-8-96	7 days	T-303 C-353	T-349		
10-9-96	8 days	T-319 C-392	T-378		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion				
Lower Completion	Hour, date shut-in,	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

NORTHWEST NEW ME: .C: :R-LEAKAGE TEST

FLOW

). 2

Commenced at (hour,date)**

Z. ducing (Upper or Lower):

TIME (hour,date)	LAPSED TIME SINCE**	PRESSU: :S Upper Completion	Lower Completi	ZONE EMP.	REMARKS

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ F _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Ori: ete

Remarks: _____

I: :b :rtify that the information herein contained is true and cor:) the best of my knowledge.

A ved DEC 11 1996 19___ Operator Burlington Resources Oil & Gas Co.

New Me: :co Oil Conservation Division By Dolores Diaz

By _____ Title Operations Associate

Title Deputy Oil & Gas Inspector Date 11-30-96

NORTHWEST NEW MEXICO .R LEAKAGE :EST INSTRUCTIONS

A packer leakage test shall be commenced on each multiply completed well within seven . or except that the one previously produced zone shall remain shut-in while the zone which ctual completion of the well and annually thereafter as prescribed by the order authorizing the ipie was previously shut-in is produced.
completion. Such tests shall also be connected on all multiple completions within seven days follo. ng; 7. Pressures for gas-zone tests must be measured on each zone with a deadweight
recompletion and/or chemical or frac-ture treatment, and whenever remedial work has been done a well pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the
during which the packer or the tubing have been disturbed. Tests shall also be taken at any time beginning of each flow-period, at fifteen minute intervals during the first hour
communication is suspected or when requested by the Division. thereof, and at hourly intervals thereafter, including one pressure measurement
2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall the immediately prior to the flow period, at ve time during each flow period (at
Division in writing of the exact time the test is to be commenced. Offset operators shall also be approximately the midway point) and im y prior to the conclusion of each
notified. flow period. Other pressures may be taken as desired, or may be requested on wells
3. The packer leakage test shall commence when both zones of the dual completion are shut-in which have previously shown questionable test data.
pressure stabilization. both zones shall remain shut-in until the well-head pressure in each has lized, 24-hour oil zone tests: all pressures, throughout the entire test, shall be
provided however, that they need not remain shut-in more than seven days. continuously measured and recorded with recording pressure gauges the accuracy of
4. For flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of which must be at least twice, once at the beginning and once at the end of
production while the other zone remains shut-in. Such test shall be continued for seven days if the one of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual
a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas completion, the recording gauge shall be required on the oil zone only, with
well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be deadweight pressures required above being taken on the gas zone.
three hours. 8. The results of the above described tests shall be filed in triplicate within 15 days
5. Following completion of flow Test No. 1, the well shall again be shut-in, in accordance with after completion of the test. Tests shall be filed with the Aztec District Office of the
Paragraph 3 above. New Mexico Oil Conservation Div thwest New Mexico Packer Leakage
6. Flow Test No. 2 shall be conducted even though no leak was indicated during flow Test No. 1. Test form Revised 10/01/78 with all pressures indicated thereon as well
Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 as the flowing temperatures (gas zones gravity and GOR (oil zones only).

j STATE OF NEW MEXICO
ENERGY and MINERALS
DEPARTMENT
This form is not to be used for reporting packer leakage tests in Southeast New Mexico

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Burlington Resources Oil & Gas CO. Lease San Juan 28-5 Unit Well No. 34

Location of Well: Unit M Sect 18 Twp. 028N Rge. 005W County RIO ARRIBA

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Cag.)
Upper Completion	MESAVERDE	GAS	FLOW	TBG
Lower Completion	DAKOTA	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	11-11-96 09:30	50 hrs	TBG 395 CSG 402	
Lower Completion	11-11-96 09:30	50 hrs	TBG 394	

FLOW TEST NO. 1

Commenced at (hour,date)* Zone producing (Upper or Lower) Lower DK

TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE TEMP	REMARKS
11-13-96 11:00	0	TBG 395 CSG 402	TBG 394		
11-14-96 09:00	22 hrs	TBG 385 CSG 409	TBG 250		
11-15-96 09:00	46	TBG 390 CSG 420	TBG 294		Line pressure higher
11-15-96 12:00	49	TBG 389 CSG 420	TBG 312		[illegible]

Production rate during test

Oil: BOPD based on Bbls. in Hours. Grav. GOR

Gas: MCFPD; Tested thru (Orifice or Meter):

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DEC - 9 1996
OIL CON. DIV.
DIST. 3

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion				
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2

Commenced at (hour,date)**				Zone producing (Upper or Lower):	
TIME (hour,date)	LAPSED TIME SINCE**	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter):

Remarks: _____

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved DEC 10 1996 19 _____ Operator Burlington Resources Oil & Gas Co.

New Mexico Oil Conservation Division By Dolores Diaz

By _____ Title Operations Associate

Title Deputy Oil & Gas Inspector Date 11-30-96

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be connected on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
4. For flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days if the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
5. Following completion of flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even though no leak was indicated during flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.
7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

   24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
8. The results of the above described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division of Northwest New Mexico Packer Leakage Test form Revised 10/01/78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).