

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

Sundry Notices and Reports on Wells

1. Type of Well

GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

4. Location of Well, Footage, Sec., T, R, M

1090' FNL, 850' FEL, Sec. 26, T-32-N, R-12-W, NMPM, San Juan County

API # (assigned by OCD)

30-045-12049

5. Lease Number

Fee

6. State Oil & Gas Lease #

7. Lease Name/Unit Name

Decker

8. Well No.

2

9. Pool Name or Wildcat

Blanco MV/Basin DK

10. Elevation:

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Pay add, commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to add pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram. The well will then be commingled. Down-hole commingling order DHC-1365 has been obtained from the New Mexico Oil Conservation Division.

RECEIVED
OCT 15 1996
OIL CON. DIV.
DIST. 3

SIGNATURE



(LLL4) Regulatory Administrator

October 14, 1996

(This space for State Use)

Approved by

ORIGINAL SIGNED BY ERNIE BUSCH

Title

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date

OCT 24 1996

Decker #2 (Mesaverde/Dakota)
Mesaverde Restimulation & Payadd / Dakota Commingle
Section 26, T32N-R12W
San Juan County, New Mexico
Lat. 36.961040 Long 108.058210

*** COMPLETION PROCEDURE (10/14/96) ***

Basic Equipment Requirements:

8 frac tanks (min.) & 1 rig tank, 60' of 2-7/8" fracstring, 4-1/2" fullbore stimulation packer, 4-1/2" CIBP & RBP, and 4 additional joints of 2-3/8" work string/production tbg.

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 8 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 3#'s of biocide and filtered (25 micron) 2% KCl water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. Unlatch from Model D production packer and TOH w/ 2-3/8" tubing landed @ 7550'. Replace bad tubing as necessary.
3. TIH with 2-3/8" tbg and a Model "CJ" packer milling tool and mill Production packer @ 7550'. TOH.
4. PU a 4-1/2" 11.6# casing scraper on 2-3/8" tbg. TIH to @ 7800'. TOH.
5. RU wireline. RIH and set a 4-1/2" CIBP at 5645'.
6. Perforate the Lower Point Lookout using 3-1/8" csg gun w/ 12 gram shaped charges and 0.31" diameter holes, 4 SPF. Inspect guns to ensure all perforations fired. RD wireline.

5504', 5526', 5539', 5550', 5580'.
A total of 20 holes.
7. TIH with a 4-1/2" fullbore packer and set packer @ 5350'. Pressure test csg to 3800# down the backside. TIH to 5500 and set packer. Establish injection rate into perforations w/ 2% KCl water. Once injection has been established TOH and set packer @ 60.
8. RU Stimulation Company. **Hold a safety meeting and review frac schedule and safety procedures.** Pressure test manifold and stimulation lines to 4800 psi. 1000 psi over maximum treating pressure but less than the working pressure of the lines.
9. **Max allowable surface treating pressure is 3800 psi @ 50 Bbls/min.** Stimulate the Mesaverde interval @ +/- 50 BPM w/ slickwater and 20/40 Arizona sand. Hold and monitor 500 psi on backside. Drop 40 balls at the end of the 1 PPG stage and evaluate rates and pressures to potentially drop an additional 10 balls in the 1.5# stage. Flush w/ 2% KCL water. Flush volume begins when sand concentration drops to 1-1/2 #/gal. Reduce rate during flush to determine if well will be on a vacuum. Under flush by 20 %. Shut in well immediately after completion and obtain SI pressure for 15 minutes. Flow well back on a 1/8" to 1/4" choke until well dies. Release Stimulation Crew to the house.
10. Once pressure is zero release packer and TOH.
11. RU wireline. Set 4-1/2" RBP @ +/- 5360'. Dump 5 gals of sand on top - ~8ft of sand. Load hole w/ 2% KCL water. Pressure test csg and BP to 3800 psi for 15 minutes. Bleed off pressure.

12. Run CBL/GR from 5360' to 4600'. **Send copy of log into the office so squeeze holes can be picked and perforations can be adjusted.** Perforate 2 squeeze holes 50' above TOC. RD wireline company.
13. TIH with 4-1/2" fullbore packer and set packer 200' above squeeze holes. Establish injection into perforations.
14. RU cementing company and pump cmt according to Rig Supervisor and Drilling Superintendent. Overdisplace cmt out of the 2-3/8" tbg by 2 bbls. Release packer and pull 2 stands. Reset packer and repressurize the squeeze. Hold pressure on cmt for 4 hrs then open at surface and check for flow. Shut well in until flow ceases. TOH w/ packer.
15. WOC for 12 hrs then drill out the cmt. If cement was not circulated run a CBL to locate TOC. Squeeze holes do not need to be tested to 750# if they fall below 5078'.
16. Spot 600 Gallons of 15% inhibited HCL across the Menefee for perforating. TOH
17. RU lubricator for perforating. Perforate the Menefee top down using 3-1/8" HSC guns with 12 gram charges and 0.31" diameter holes. 1 SPF. Inspect guns to ensure all perforations fired. Record pressures if any. RD wireline.

5078', 5110', 5118', 5126', 5134', 5146', 5155', 5162', 5168', 5191', 5221', 5286', 5291', 5298', 5307'.

Total: 15 holes
18. TIH w/ 4-1-2" fullbore packer and 2 joints of 2-7/8" tbg. Set packer & hold 500 psi on backside. Establish injection rate w/ rig pump. RU WSI flowback manifold. RU Stimulation Company.
19. Hold safety meeting. **Max allowable surface treating pressure is 3800 psi @ 35 Bbls/min.** Pressure test surface lines to 4800 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Menefee interval @ +/- 35 BPM w/ slickwater, 7000 SCF/M N2, and 20/40 Arizona sand. Hold and monitor 500 psi on backside. Flush w/ 2% KCL water and N2. Flush volume begins when sand concentration drops to 1-1/2 #/gal. Reduce rate during flush to determine if well will be on a vacuum. Under flush by 20 %. Shut in well immediately after completion for a 15 minute SI. RD and release Stimulation Crew to the house.
20. If well is not dead, monitor sand production and slowly open well until sand production ceases and pressure falls to zero. Accurately record sand volume and gel/water coming back.
21. Bleed off pressure. Release packer and stand back. Check and inspect packer.
22. TIH w/ retrieving head and CO to RBP @ 5360' until sand production is minimal. Obtain pitot gauge for Menefee interval. Recover RBP and TOOH.
23. PU 3-7/8" bit and 2-3/8" tbg and TIH. Clean out to 5645'. Obtain pitot gauge from Mesaverde after clean up. When sand returns are acceptable, DO CIBP @ 5645' and CO to 7800'.
24. When sand volumes are acceptable obtain pitot gauge and TOH.

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Restimulation & Payadd/Dakota Commingle
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25. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the rest of the tubing. Land tubing at approximately 7440'.
26. ND BOP's, NU WH. Pump off expendable check. Run swab to FN. Obtain final pitot. RD and MOL. Return well to production.

Approval: _____
Drilling Superintendent

Approval: _____
Northwest Basin Team Leader

Engineers -

Todd J. Mushovic
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Home - (324-0692)

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Pager - (327-8470)
Mobile - (320-0349)
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Mike Martinez
Pager - (599-74)
Mobile- (860-75)
Home - (326-48)

VENDORS:

	<u>SERVICE COMPANY</u>	<u>PHONE NUMBER</u>
CASED HOLE:	Basin	327-5244
STIMULATION:	BJ	327-6222
MANIFOLD:	WSI	327-3402

TJM

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Pertinent Data Sheet
DECKER #2

Location: Unit A NE/4 NE/4, Section 26, T32N, R12W, 1090' FNL, 850' FEL,
Lat. 36.961040, Long. -108.058210
San Juan County, NM

Field: Blanco Mesaverde/Basin Dakota

Elevation: 6603' GL

TD: 7815'

PBTD: 7800'

Spud Date: 05-03-55

Completed: 05/25/55

DP No: 12132/12133

Prop. No: 0023086A/0023086B

Casing/Liner Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 1/4"	9 5/8"	32.3# H-40	165'	150 sx	To surface
8 3/4"	7"	20# J-55	5381'	350 sx	TOC 3830' (TS)
6 1/4"	4 1/2"	10.5# (182 jts) J-55	7815'	600 sx, 2 stages	TOC 7130' (CBL)
		11.6# (66 jts) J-55		Stage Tool @ 5651'	5225' (CBL)

Tubing Record: 2 3/8" 4.7# J-55 Tubing set at 7550'. Seating Nipple at 7548'. Model D packer at 7550'.
Sliding sleeve - Model L @ 7548' with a 1.87" profile. Blast joints across MV.

Formation Tops:

Ojo Alamo:	1300'
Kirtland:	1336'
Fruitland:	2639'
Pictured Cliffs:	3132'
Lewis:	3302'
Upper Cliffhouse:	4644'
Massive Cliffhouse:	4874'
Menefee:	4970'
Massive Point Lookout:	5396'
Lower Point Lookout:	5552'
Greenhorn:	7511'
Graneros:	7628'
Dakota:	7709'

Logging Record: GRN, CBL, TS, ES

Stimulation: SOF 5381'-5604' w/12,400 gals oil and 12,500# sand

Workover History: 08/26/67: Drilled out to Dakota and dualled with Mesaverde.
Ran and set 4-1/2" casing. Shot 3 holes @ 7711', pressured up to 4,000#
@ 1/4 BPM. Did not squeeze.

Stimulation History: Perfed 5395'-5401', 5414'-5416', 5447'-5450', 5455'-5459', 5470'-5472', 5475'-5483'
(2 SPF). Fraced with 35,000# 20/40 sand, 25,000# 10/20 sand and 56,280 gallons of
water.
Perfed 7629'-7632', 7641'-7644', 7711'-7731', 7736'-7774' (2 SPF).
Fraced with 35,000# 20/40 sand, 25,000# 10/20 sand and 63,420 gallons of water.

DECKER #2

BASIN DAKOTA/BLANCO MESAVERDE

AS OF 3/19/96

1090' FNL, 850' FEL

SEC 26, T32N, R12W, SAN JUAN COUNTY, NM

13-1/4" HOLE

COMPLETED 5/25/55
DRILLED OUT & DUALED W/DK
8/26/67
ELEVATION 6603' GL

9-5/8" 32.3# H-40 CSG SET @ 165'
CMT W/150 SX
CIRC. CMT TO SURFACE

8-3/4" HOLE

OJO ALAMO @ 1300'

KIRTLAND @ 1336'

FRUITLAND @ 2639'

PICTURED CLIFFS @ 3132'

LEWIS @ 3302'

2-3/8" 4.7# J-55 TBG SET @ 7550'
SEATING NIPPLE @ 7548'

TOC @ 3830'

UPPER CLIFFHOUSE @ 4644'

MASS. CLIFFHOUSE @ 4874'

MENELEE @ 4970'

TOC @ 5225' (CBL)

7" 20# J-55 CSG SET @ 5381'
CMT W/350 SX

MASS. PT LOOKOUT @ 5396'

PERF 5395'-5483'
FRAC W/35,000# 20/40 & 25,000# 10/20
SAND AND 56,280 GALS WATER

LOWER PT LOOKOUT @ 5552'

STAGE TOOL @ 5651'

GREENHORN @ 7511'
MODEL L SLIDING SLEEVE @ 7548'
MODEL D PACKER @ 7550'

TOC @ 7130' (CBL)

GRANEROS @ 7628'

DAKOTA @ 7709'

SHOT 3 HOLES @ 7711'
DID NOT SQUEEZE
PERF 7626'-7744'
FRAC W/35,000# 20/40 & 25,000# 10/20
SAND AND 63,420 GALS WATER

4-1/2" 10.5# (182 JTS) & 11.6# (66 JTS) J-55 CSG @ 7815'
CMT W/600 SX (2 STAGES)

TD 7815'
PBD 7800'