

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

070 FARMINGTON, NM

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

990' FSL, 1650' FWL, Sec. 11, T-31-N, R-12-W, NMPM

5. Lease Number  
SF-077648  
6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Davis #8

9. API Well No.  
30-045-10857

10. Field and Pool  
Blanco MV/Basin DK

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment                  | <input type="checkbox"/> Change of Plans         |
| <input type="checkbox"/> Subsequent Report           | <input checked="" type="checkbox"/> Recompletion      | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Final Abandonment           | <input type="checkbox"/> Plugging Back                | <input type="checkbox"/> Non-Routine Fracturing  |
|  | <input type="checkbox"/> Casing Repair                | <input type="checkbox"/> Water Shut off          |
|  | <input type="checkbox"/> Altering Casing              | <input type="checkbox"/> Conversion to Injection |
|  | <input checked="" type="checkbox"/> Other - Commingle |  |

13. Describe Proposed or Completed Operations

It is intended to add the Mesaverde formation to the subject well according to the attached procedure and wellbore diagram. After recompletion the well will be down hole commingled. A down hole commingle application will be applied for.

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MAY - 9 1997

OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed *Duane W. Spencer* (MEL4) Title Regulatory Administrator Date 4/26/97

(This space for Federal or State Office use)

APPROVED BY *Duane W. Spencer* Title \_\_\_\_\_ Date MAY - 6 1997

CONDITION OF APPROVAL, if any:

*(Signature)*

NMOCG

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesa, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Form C  
 Revised February 21, 1997  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-10857		Pool Code 72319/71599		Pool Name Blanco Mesaverde/Basin Dakota	
Property Code 18509		Property Name Davis			Well Number 8
OGRID No. 14538		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			Elevation 6353'

10 Surface Location

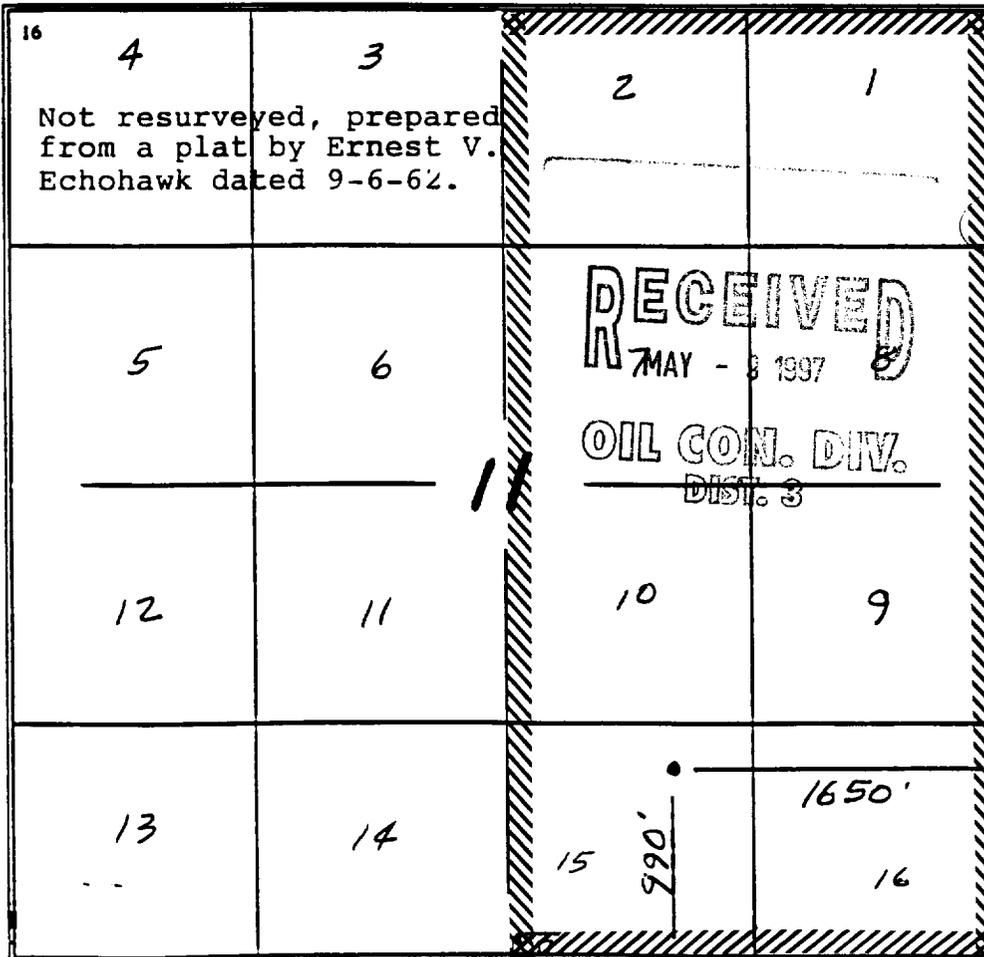
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	11	31-N	12-W		990	South	1650	East	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres MV-E/305.96 DK-E/305.96	13 Joint or Infill 96	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION  
 I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief.

*Peggy Bradfield*  
 Signature  
 Peggy Bradfield  
 Printed Name  
 Regulatory Administrator  
 Title  
 4-28-97  
 Date

18 SURVEYOR CERTIFICATION  
 I hereby certify that the well location shown on this was plotted from field notes of actual surveys made or under my supervision, and that the same is true, correct to the best of my belief.

4/24/97  
 Date of Survey  
 Signature and Seal of Professional Surveyor  
 NEALE C. EDWARDS  
 NEW MEXICO  
 6857  
 6857  
 Certificate Number

Davis 8 - Mesaverde  
Recompletion/Commingle Procedure  
Lat-Long: 36° - 54.52' / 108° - 3.72'  
Unit O, Section 11, T31N-R12W  
March 21, 1997

1. Hold safety meeting. Comply with all MOI, BLM and NMOCD rules and regulations. Install 14 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. NU relief line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP.
3. TOOH w/ 2-3/8" Dakota tubing set at  $\pm 7318'$  and stand back. Inspect tubing and replace bad tubing as necessary.
4. PU 3-7/8" bit and 4-1/2" (11.6#) casing scraper on 2-3/8" tubing and clean out to PBTD of  $\pm 7569'$ . Blow hole clean with air/mist. Obtain pitot gauge and record on morning report. TOOH.
5. RIH and wireline set a 4-1/2" CIBP @  $\pm 7300'$ . Load hole from surface with 2% KCL water.
6. Run CBL/CCL/GR from 5600' to surface. Send logs immediately to office. (The logs will be used to select perforations and verify BP setting depths.)
7. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 buttress frac string. Pressure test casing to 3800 psi. TOOH and stand back frac string and packer.
8. Perforate the Point Lookout interval ( $\pm 5185' - \pm 5550'$ ) using 3-1/8" HSC guns with 10 gram charges and 0.29" diameter holes. (Perforations will be provided after reviewing logs.)
9. Inspect guns to ensure all perforations fired.
10. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 buttress frac string.
11. Balloff Point Lookout perforations with 2000 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable treating pressure is 3800 psi. . TOOH and stand back frac string and packer. RU wireline, retrieve balls w/ 4-1/2" junk basket and report number of hits.
12. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 buttress frac string.

13. RU frac company. Hold safety meeting. Pressure test surface lines to 4800 psi. **(Maximum allowable treating pressure is 3800 psi.)** Fracture Stimulate Point Lookout interval at 50 BPM using slickwater and 100,000 #'s of 20/40 Arizona sand tagged w/ Iridium. (See attached procedure.) Do not over displace during flush. Shut in well immediately after completion of the stimulation until pressure falls to zero.
14. Release packer and TOOH standing back frac string and packer. Check and inspect packer.
15. TIH w/ 4-1/2" RBP and set @  $\pm 5150'$ . TIH w/ 4-1/2" fullbore packer, load hole with 2% KCL water and pressure test CIBP to 3800 psi. TOOH and stand back frac string and packer.
16. Perforate the Menefee interval ( $\pm 4820' - \pm 5100'$ ) using 3-1/8" HSC guns with 10 gram charges and 0.29" diameter holes. (Perforations will be provided after reviewing logs.)
17. Inspect guns to ensure all perforations fired.
18. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 buttress frac string.
19. Balloff Menefee perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable treating pressure is 3800 psi. TOOH and stand back frac string and packer. RU wireline, retrieve balls w/ 4-1/2" junk basket and report number of hits.
20. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 buttress frac string.
21. RU frac company. Hold safety meeting. Test surface lines to 4800 psi. **(Maximum allowable treating pressure is 3800 psi.)** Fracture stimulate Menefee @ 40 BPM using slickwater and 75,000 #'s of 20/40 Arizona sand tagged w/ Iridium. Do not over displace during flush. Shut in well immediately after completion of the stimulation until pressure falls to zero.
22. Release packer and TOOH laying down packer and frac string.
23. TIH w/ 2-3/8" tubing w/ notched collar and CO to RBP @  $\pm 5150'$ . Obtain pitot gauge for Menefee interval. TOOH. TIH w/ retrieving head and release RBP @  $\pm 5150'$ . TOOH.
24. TIH w/ 3-7/8" mill and CO to CIBP @ 5150'. Obtain pitot gauge for Mesaverde formation. TOOH. Drill out CIBP @  $\pm 5150'$ . TOOH.

Davis 8  
Mesaverde Recompletion

25. TIH with 2-3/8" tubing w/ notched collar and CO to PBTD. PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge for Mesaverde and Dakota after clean up.
26. When sand production has diminished, TOO H.
27. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the remaining 2-3/8" tubing. CO to PBTD. Land tubing near bottom perforation (7481').
28. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot up the tubing if possible. If well will not flow on it's own, make swab run to FN. If a swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Recommend: M. E. Lutey  
Production Engineer

Approval: \_\_\_\_\_  
Asset Team Leader

Approval: \_\_\_\_\_  
Drilling Superintendent

Contacts:

Engineers:

Mary Ellen Lutey  
Office - (599-4052)  
Home - (325-9387)  
Pager - (324-2671)

Lori Lantz  
Office - (599-4024)  
Home - (324-0692)

Frac Consultants:

Mark Byars  
Pager - (327-8470)  
Mobile - (320-0349)  
Home - (327-0096)

Mike Martinez  
Pager - (599-7429)  
Mobile - (860-7518)  
Home - (327-6161)

**Davis #8**  
**Sec. 11, T31N, R12W**

Location: 990' FSL, 1650' FEL  
San Juan County, NM

Latitude: 36-54.52'  
Longitude: 108-03.72'

Current Field: Basin Dakota  
Spud: 9/15/62  
Elev GL: 6353'  
TD: 7594'

Logs Run: Ind.; Gammatron; TS  
Completed: 10/13/62  
Elev KB:  
PBTD: 7569'

**CASING RECORD:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
12-1/4"	8-5/8"	24#	J-55	327'	250 sx	To surface
7-7/8"	4-1/2"	11.6# & 9.5#	J-55	7590'	840 sx (2 stg)	Unknown

**LINER RECORD:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
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**TUBING RECORD:**

<u>Tubing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Joints</u>	<u>Other</u>	<u>Depth</u>
2-3/8"	4.7#	J-55	7318'	230		
					DV Tool @	5463'

**FORMATION TOPS:**

Ojo Alamo	—	Pictured Cliffs	2910'	Pt Lookout	5150'
Kirtland	—	Cliffhouse	4395'	Gallup	6507'
Fruitland	—	Menefee	—	Dakota	7408'

Completions:

Dakota  
Perfs: 7334'-7481'  
Frac'd w/32,760 gal water and 30,000# sand

Cementing Information

8-5/8" csg: 250 sx cmt w/2% CaCl<sub>2</sub>  
4-1/2" csg: 1st stg - 180 sx 4% gel w/.08% Halad-9 & 40 sx Neat w/.08% Halad-9; 2nd stg - 570 sx 8% gel w/12.5#/sx gilsonite, .25#/sx flocele & 50 sx Neat cmt

Workover History:

MEL:plh 3/21/97

# DAVIS #8

Current 3-21-97

BASIN DAKOTA  
SEC 11, T31N, R12W, SAN JUAN COUNTY, NM

SPUD: 09-15-62  
COMPLETED: 10-13-62



12 1/4" HOLE

8-5/8" 24# J-55 CSG SET @ 327'  
CEMENT WITH 250 SX. TO SURFACE

7 7/8" HOLE

FRUITLAND @ N/A

PICTURED CLIFFS @ 2910"

LEWIS @ N/A

← 2-3/8", 4.7# J-55 TBG SET @ 7318'

← TOC @ UNKNOWN

MASSIVE CLIFFHOUSE @ 4395'

MENEFEE @ N/A

MASSIVE POINT LOOKOUT @ 5150'

□ DV TOOL @ 5463"

GALLUP @ 6507'

DAKOTA @ 7408'

DAKOTA PERFS: 7334'-7481'  
FRACTURE STIMULATED WITH 32,760 GAL WATER  
AND 30,000# SAND

4-1/2" 11.6# & 9.5# J-55 CSG SET @ 7590'  
CEMENT W/840 SX (2 STAGES)



PBTD 7569'  
TD 7594'