

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

FILED IN 3:01

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

2155' FNL, 355' FEL, Sec. 20, T-32-N, R-10-W, NMPM

#

5. Lease Number  
SF-080517

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Payne #3E

9. API Well No.  
30-045-27543

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

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☒ Recompletion

☐ New Construction

☒ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Final Abandonment

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Plug and abandon Dakota

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well according to the attached procedure and wellbore diagram. The Dakota formation will be plugged and abandoned.

**RECEIVED**  
MAR 14 1997  
**OIL CON. DIV.**  
DIST. 3

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

Signed Duane W. Spencer (LLL4) Title Regulatory Administrator Date 3/6/97

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title \_\_\_\_\_ Date MAR 12 1997

CONDITION OF APPROVAL, if any:

NMOC

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, 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

Hold C-104 For  
NSL

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

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-27543	72319/71599	Blanco Mesaverde/Basin Dakota
Property Code	Property Name	Well Number
7379	Payne	3E
OGRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6328'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	20	32-N	10-W		2155	North	355	East	S.J.

11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.  
N/316.85  
DK-N/316.85

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

Not resurveyed, prepared from a plat by Cecil B. Tullis dated 5-31-89.	2155'	355'	17 OPERATOR CERTIFICATE
			I hereby certify that the information contained here true and complete to the best of my knowledge and
			Signature Peggy Bradfield Printed Name Regulatory Administrator Title 3-6-97 Date
20	RECEIVED MAR 14 1997 OIL CON. DIV. DIST. 3	355'	18 SURVEYOR CERTIFICATE
			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.
			3/03/97 Date of Survey Signature and Seal of Professional Surveyor: NEALE C. EDWARDS NEW MEXICO 0857 Certificate Number

## Payne #3E

### Mesaverde Recompletion

Unit H, Section 20, T-32-N, R-10-W, San Juan County, New Mexico  
Lat. 36-58-19, Long. 107-53-49

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Inspect location and install and/or test rig anchors. **This job will require 23 total frac tanks.** Comply with all BLM, NMOCD, Forestry, and BR rules and regulations. **BE SAFE.**

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\*\*\*All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.\*\*\*

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP. NU blooie line to flare pit.
3. TOOH with 7780' of 2-3/8" 4.7# J-55 tubing. Visually inspect, tally, and stand back tubing. Note and record locations of scale, if any. Replace any bad joints.
4. PU 4-3/4" bit and 5-1/2" 17# casing scraper on 2-3/8" workstring. Rabbit and tally on TIH to PBSD of 7858'. TOOH and LD bit and scraper.
5. TIH w/ 5-1/2" cmt retainer on 2-3/8" tbg and set at 7580'. Load backside with fresh water. Pull into test position and test tubing to 2000 psi. Pump 62 sks Class G cement to abandon the Dakota interval. This represents 100% excess cement. Sting out of retainer, spot 2 sks cement on top of retainer, and pull up to 6280'.
6. Spot <sup>17</sup>~~15~~ sks Class G cement across the Gallup interval. This will cover 50' above and 50' below the Gallup top. TOOH.
7. MIRU electric line unit. RIH and set CIBP at 5753' (use slow burn charge to set plug). Load hole w/ 2% KCl and pressure test casing and CIBP to 1000 psi.
8. Run GR-CBL-CCL from 5753' to liner top at 3354' with 1000 psi surface pressure (correlate to OH logs). Run repeat section with 0 psi surface pressure. Top of good cement must be above 4963' to continue. Evaluate CBL and send copy to production and drilling.

#### Point Lookout Stimulation:

9. RIH w/ 3-1/8" Select Fire Perforating gun loaded 1 spf w/ 10 or 12 gram charges (0.31" diameter holes) and perforate the following depths:

## Payne #3E

### Mesaverde Recompletion

Unit H, Section 20, T-32-N, R-10-W, San Juan County, New Mexico

Lat. 36-58-19, Long. 107-53-49

5434' 5439' 5441' 5448' 5455' 5457' 5461' 5467' 5474' 5481'  
5488' 5494' 5500' 5514' 5525' 5540' 5544' 5547' 5556' 5562'  
5570' 5581' 5599' 5601' 5636' 5645' 5668' 5677' 5688' 5691'  
5701' 5708' 5713'  
(33 total holes)

10. RD electric line unit. PU 5-1/2" packer on 3-1/2" N-80 frac string with 6 jts 2-7/8" N-80 above packer for safety. TIH and set packer at approximately 5725'. Load hole w/ 2% KCl and pressure test CIBP to 4000 psi (less than 80% of casing internal yield of 7740 psi). Pull up and reset packer at approximately 5284'.
11. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 7100 psi. **Maximum treating pressure is 6100 psi.** Pump 1500 gals of 15% HCl acid at 7-10 bpm. Drop a total of 50 7/8" diameter (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
12. Release packer. TIH w/ 5-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approximately 5284'.
13. RU stimulation company. Pressure test surface treating lines to 7100 psi. **Maximum treating pressure is 6100 psi.** Fracture stimulate the Point Lookout interval w/ 58,000# 20/40 sand in slickwater at approximately 35 bpm according to the attached procedure. Shut-in for ISIP.
14. RDMO stimulation company. Flow back well immediately using a dual choke manifold. When pressures allow, release packer. TOOH w/ packer and 3-1/2" and 2-7/8" frac strings.
15. RU electric line unit. RIH w/ 5-1/2" RBP and set at 5400'. Dump 1 sk sand on RBP.

#### Cliffhouse / Menefee Stimulation:

16. RIH w/ 3-1/8" Select Fire Perforating gun loaded 1 spf w/ 10 or 12 gram (0.31" diameter holes) and perforate the following depths:

5013' 5015' 5024' 5026' 5030' 5039' 5041' 5052' 5061' 5064'  
5069' 5074' 5077' 5081' 5085' 5132' 5188' 5191' 5205' 5257'  
5270' 5277' 5281' 5306' 5308' 5311' 5320' 5325' 5328' 5355'

## Payne #3E

### Mesaverde Recompletion

Unit H, Section 20, T-32-N, R-10-W, San Juan County, New Mexico

Lat. 36-58-19, Long. 107-53-49

**5360' 5367' 5372' 5378' 5384'**  
**(35 total holes)**

17. RD electric line unit. PU 5-1/2" packer on on 3-1/2" N-80 frac string with 6 jts 2-7/8" N-80 above packer for safety. TIH and set packer at approximately 5390'. Load hole w/ 2% KCl and pressure test RBP to 4000 psi (less than 80% of internal yield of 7740 psi). Pull up and reset packer at approximately 4863' (or in good cement).
18. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 7100 psi. **Maximum treating pressure is 6100 psi.** Pump 1500 gals of 15% HCl acid at 7-10 bpm. Drop a total of 53 7/8" diameter (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
19. Release packer. TIH w/ 5-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at 4863' (or in good cement).
20. RU stimulation company. Pressure test surface treating lines to 7100 psi. **Maximum treating pressure is 6100 psi.** Fracture stimulate the Cliffhouse / Menefee intervals w/ 158,000# 20/40 sand in slickwater at approximately 35 bpm according to the attached procedure. Shut-in for ISIP.
21. RDMO stimulation company. Flow back well immediately using a dual choke manifold. When pressures allow, release packer. TOO H and LD packer and 3-1/2" and 2-7/8" frac strings.
22. TIH w/ 2-3/8" workstring and clean out to the RBP set at 5400' with air until sand and water production is minimal (run retrieving head on last clean out run). **Obtain flow gauge and record as Cliffhouse / Menefee.** Latch onto RBP and TOO H.
23. TIH w/ 2-3/8" workstring and clean out to new PBTD of 5753' with air until sand and water production is minimal. **Obtain flow gauge and record as Cliffhouse / Menefee / Point Lookout.** TOO H.
24. Rabbit and TIH with 2-3/8" 4.7# J-55 tubing with expendable check and seating nipple one joint off bottom and cleanout to PBTD of 5753' with air. Land tubing at approx 5700'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Mesaverde.** Contact Production Operations for well tie-in. RDMO.

**Payne #3E**

**Mesaverde Recompletion**

Unit H, Section 20, T-32-N, R-10-W, San Juan County, New Mexico

Lat. 36-58-19, Long. 107-53-49

Approved: Arden W. McFar 11/15/97  
Regional Team Leader

Approved: F.L.B. 1/15  
Drilling Superintendent

**Pertinent Data Sheet - Payne #3E**

**Location:** Sec. 20 T- 32N R-10W County: San Juan, New Mexico

**Latitude:** 36 deg. 58.3154 **Longitude:** 107 deg. 53. 8211 by tdg

**Field:** Basin Dakota **Elevation:** GL: 6328' **TD:** 7893'  
**PBTD:** 7858'

**Spud Date:** 12/20/89 **Completed:** 4/3/90

**Initial Potential:** 600 MCF/D

**Casing/Liner Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>TOC</u>
14-3/4"	10-3/4"	40.5# K-55	664'	565 sx	Circ. to surface
9-7/8"	7-5/8"	26.4# S-95& K-55	3599'	605 sx	Circ. to surface
6-3/4"	5-1/2"	17# N-80	3354' - 7893'	1368 sx	Intermittent

S-95 casing @ 3599'-2384' The rest K-55 casing

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>
2-3/8"	4.7#	7780' Seat nipple @ 7749'

**Formation Tops:** Estimated

Ojo Alamo	1630'
Fruitland	2700'
Pictured Cliffs	3131'
Cliffhouse	4700'
Menefee	5100'
Point Lookout	5420'
Gallup	6230'
Dakota	7630'

**Logging Record:** CBL, GRN, Temperature, Microlog, Dual Laterolog, RA Tracer, Csg Inspection, Induction

**Stimulation:** Squeezed 5-1/2" liner. Squeeze holes @ 3375', 6000', 7500', 7615', 7742', 7808', 7875'. Each was squeezed and pressure tested. No failures.

Perfed @ 7644', 46', 48', 50', 93', 95'', 97', 7707', 29', 31', 47', 53', 55', 57', 59', 80', 82', 84', 86', 88', 90', 92', 94' total 23 shots.

Acidized w/ 1750 gals 15% HCL. Fraced w/ 23,000# sand in 69,887 gals 20# x-linking gel.

Perfed @ 7695', 7729', 57', 85', 86', 87'. Acidized q/ 1000 gals 15% HCL. Fraced w/ 52,000# sand in 87,365 gals 30# x-linking gel.

**Workover History:**

5-15-90 Acidized w/ 4500 gals Fe Acid & 500 SCFPB Nitrogen.  
5-17-90 Acidized w/ 9000 gals 15% HCL.

**Problems Encounted (Chronologically):**

**Drilling:**

(1) 3600' LCM necessary (2) 4735' Wet - had to dry up (3) 5536' Tight  
(4) 5850' Oil (5) 6073' Lost circ. (6) 5298' Stuck drill bit. ST hole @ 4551'

**Completing:**

(1) 7752'

Stuck tbg. Fished for several days, recovered fish. (2) Work swage

@ 7757' - suspected casing part. Ran casing inspection log and found no parts.  
(3) Set Baker N-1 plug @ 7960'. Left in hole.

# PAYNE #3E

BASIN DAKOTA

AS OF 12/01/96

2155' FNL, 355' FEL  
SEC 20, T32N, R10W, SAN JUAN COUNTY, NM

SPUD 12/20/89  
COMPLETED 4/03/90  
WORKOVER 5/90

OJO ALAMO @ 1630'  
FRUITLAND @ 2700'  
PICTURED CLIFFS @ 3131'

**SIDETRACK OPEN HOLE @ 4551'**  
**AFTER LOSING FISH @ 5298'**

CLIFF HOUSE @ 4700'  
MENELEE @ 5100'  
POINT LOOKOUT @ 5420'

GALLUP @ 6230'

DAKOTA @ 7630'

BAKER N-1 PLUG @ 7860'

14-3/4" HOLE

10-3/4" 40.5# K-55 CSG SET @ 664'  
CMT W/565 SX  
CIRC. CMT TO SURFACE

9-7/8" HOLE

7-5/8" 26.4# S-95 & K-55 CSG  
SET @ 3599'  
CMT W/605 SX  
CIRC. CMT TO SURFACE

6-3/4" HOLE

SQUEEZE HOLES @ 3375', 6000', 7500',  
7615', 7742', 7808', 7875'.

2-3/8" 4.7# EUE TBG LANDED @ 7780'

PERF 7644'-7792'. FRAC W/23,000# SAND  
AND 69,887 GALS 30# X-LINK GEL  
PERF 7695'-7787'. FRAC W/52,000# SAND  
AND 87,365 GALS WATER.

5-1/2" 17# LINER @ 3354'-7893'  
CMT W/1368 SX  
TOC INTERMITTED

TD 7893'  
PBD 7858'