

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
1748' FNL 1750' FEL, Sec.34, T-28-N, R-9-W, NMPM

5. Lease Number  
SF-077111

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Storey C #11

9. API Well No.  
30-045-07028

10. Field and Pool  
Blanco Mesaverde *pc*

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 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 -	

13. Describe Proposed or Completed Operations

It is intended to add Menefee pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

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

Signed *[Signature]* (PMP) Title Regulatory Administrator Date 2/16/99  
TLW

(This space for Federal or State Office use)

APPROVED BY *[Signature]* Title Pct. Eng. Date 2/19/99

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCB

STOREY C #11 MV  
Workover Procedure  
G 34 28 9  
San Juan County, N.M.  
Lat-Long: 36-37.37 – 107-46.93

**PROJECT SUMMARY:** Run a spinner survey across the current producing intervals, then perform a Menefee Payadd workover on this 1958 vintage MV-PC commingled well. This well had the Lower Point Lookout opened and fraced in 1994 for an initial 300 MCF/D increase.

**DO NOT KILL WELL. ANY FLUIDS USED IN WELLBORE WILL INVALIDATE DATA NEEDED. IF FLUIDS ARE REQUIRED, CONTACT MIKE PIPPIN (326-9848) TO DISCUSS ALTERNATIVES.**

1. RU slickline unit. SI Master valve. Open csg valve to allow well to produce on line from csg. ND bullplug on flowtee. RU full lubricator and test to 1000 psi. Open master valve. RIH w/slickline and set tubing choke in FN @ 5328' (1.81" I.D. bore). RD slickline unit. SI master valve.
2. Comply to all NMOCD, BLM, and MOI rules and regulations. MOL and RU completion rig. Check all safety equipment to insure proper location and working order. ND wellhead and NU BOP w/flow tee and stripping head. NU blooie line and 2-7/8" relief line. Continue to produce well on line through casing valve. NU stripping head.
3. Strip 171 jts. 2-3/8" tbg. ND stripping head. SI rams on BOP.

**THE WELL WILL REMAIN ON PRODUCTION DURING THE ENTIRE SPINNER SURVEY.**

4. RU Schlumberger. RU full lubricator and test to 1000 psi. Open rams on BOP and RIH w/ spinner flowmeter tool/GR/CCL. Correlate depth to GR/CCL logs.
5. Take spinner survey readings at the following stations:

Station #1	5425'	5-1/2"
Station #2	5370'	5-1/2"
Station #3	5325'	5-1/2"
Station #4	5280'	5-1/2"
Station #5	5200'	5-1/2"
Station #6	2900'	7-5/8"
6. POOH w/ spinner flowmeter tool/GR/CCL.

# STOREY C #11 MV – MENELEE PAYADD WORKOVER

7. TIH w/ 5-1/2" CIBP on 2-3/8" tbg. Set CIBP @ 5240'. Load hole w/1% KCL water. TOH. Run CBL 5240'-4800' and correlate to attached open hole log. Pressure to 800 psi during CBL, if necessary. Hot shot log to Mike Pippin (326-9848). Pressure test csg to 800 psi.
8. TIH w/2-3/8" tbg to 5219' and spot 300 gal 15% HCL acid across Menefee (5219'-4939').  
All acid on this well to contain the following additives per 1000 gal:  

2 gal	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	Surfactant
0.5 gal	Clay Master-5C	clay control
9. Perf Menefee w/1 spf from top down @ 4939', 73', 83', 98', 5007', 12', 25', 29', 43', 54', 5114', 22', 34', 72', 83', 93', 5213', 19'. Total 18 holes. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.
10. TIH w/5-1/2" pkr on 2-3/8" tbg and set @ 4850'. W/ 500 psi on the annulus, breakdown and attempt to balloff Menefee perms w/1500 gal 15% HCL acid and 45 RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as Step #8. Max. pressure is 4600 psi. Lower pkr to 5235' to knock off perf balls. TOH.
11. Spot and fill 6-400 bbl. frac tanks w/2% KCL water. If necessary, filter all water to 25 microns. Five tanks are for fracing and one tank is for breakdown water. Usable water required for frac is 1710 bbls.
12. TIH w/ 5-1/2" pkr, 120' 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) and 4740' 3-1/2" 9.3# N-80 rental frac string and set @ 4860'. W/500 psi on annulus, frac Menefee w/70,000 gals. of 30# gel and 120,000# 20/40 Arizona sand. Pump at 40 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 6000 psi and estimated treating pressure is 4700 psi. Pipe string friction @ 40 BPM is 3236 psi. Treat per the following:  


<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	15,000	—
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	20,000	60,000
Flush	<u>(1,839)</u>	<u>0</u>
Totals	70,000	120,000

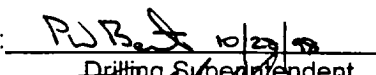
If well is on vaccum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

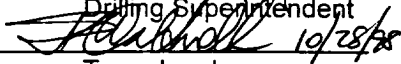
* 30# J-48	(Guar Gel mix in full tank - 16,000 gal)
* 1.0 gal. Aqua Flow	(Non-ionic Surfactant mix in full tank)
* 1.0# gvw-3	(Enzyme Breaker mix on fly)
* 1.0# B-5	(Breaker mix on fly)
* 0.38# - Fracide 20	(Bacteriacide in full tank)
13. TOH w/frac string and pkr. TIH w/4-3/4" bit on 2-3/8" tbg and C.O. Menefee w/air/mist to CIBP @ 5240'. **Take pitot gauges when possible.**
14. When wellbore is sufficiently clean, drill CIBP @ 5240'.

STOREY C #11 MV – MENEFEE PAYADD WORKOVER

15. C.O. to PBTD5479' w/air/mist. Take pitot gauges when possible. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 5479'-4700' and Perf Eff. Log for all MV intervals from 5470' to 4900'.
16. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom and again cleanout to 5479'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 5300' KB. Take final water and gas rates.
17. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:  10/2/18  
Production Engineer

Approve:  10/23/18  
Drilling Superintendent

Approve:  10/28/18  
Team Leader

VENDORS:

Wireline	Schlum	325-5006
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133
Pkr and Ret BP	Schlum.	325-5096

PMP

# STOREY C #11 MV/PC

UNIT G SECTION 34 T28N R9W  
SAN JUAN COUNTY, NEW MEXICO

