

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

- | | |
|---|--|
| 1. Type of Well
GAS | 5. Lease Number
NM-03195 |
| 2. Name of Operator
BURLINGTON
RESOURCES | 6. If Indian, All. or
Tribe Name |
| 3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 7. Unit Agreement Name |
| 4. Location of Well, Footage, Sec., T, R, M
1080' FSL, 1190' FWL, Sec 11, T-30-N, R-10-W
<i>m</i> | 8. Well Name & Number
San Juan #11 |
| | 9. API Well No.
30-045-09610 |
| | 10. Field and Pool
Blanco Mesa Verde |
| | 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 - Pay add | |

13. Describe Proposed or Completed Operations

It is intended to add pay to this well per the attached procedure and wellbore diagram.

RECEIVED
APR 11 1997
BLM DIV
BLM 13

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

Signed *Donna W. Spencer* (LLL) Title Regulatory Admin. Date 4/4/97

(This space for Federal or State Office use)

APPROVED BY *Donna W. Spencer* Title _____ Date APR 11 1997

CONDITION OF APPROVAL, if any:

E

San Juan #11

Unit M, Sec 11, T-30-N, R-10-W

Location: 1080' FSL, 1190' FWL
San Juan County, NM

Latitude: 36-49.31124
Longitude: 107-51.47646

Current Field: Blanco MV
Spud: 8/ 2/51
Elev GL: 6511'
TD: 5596'

Logs Run: RadioActivity, Insp Log, TS
Completed: 11/24/51
Elev KB:
PBTD: 5570'

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>
	10-3/4"	32.75#	H-40	261'	185 sks	Surf (circ)
	7"	23# & 20#	J-55	5387'	125 sks	3300' (TS)
				3300'	75 sks	
	4-1/2"	10.5#	J-55	5596'	250 sks	3509' (circ)
				3509'	420 sks	Surf (circ)

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	5521'	176		
					SN	5448'

FORMATION TOPS:

Ojo Alamo	1830'	Pictured Cliffs	3165'	Pt Lookout	5454'
Kirtland	1959'	Cliffhouse	4770'	Gallup	
Fruitland	2561'	Menefee	4863'	Dakota	

Completions:

Mesaverde - Point Lookout

Perfs: 5400-04, 5412-16, 5426-34, 5442-50, 5472-76, 5486-94, 5504-08, 5524-32

Frac: 60,000# sd in 60,000 gal water + balls

SIWHP: 876 psi AOF: 4094 mcf/d

Cementing Information

10-3/4" Casing cemented w/ 175 sks.

7" Casing cemented in two stages. First stage cemented w/ 125 sks Ideal cement. Second stage cemented w/ 75 sks Ideal cement.

4-1/2" Casing cemented in two stages. First stage cemented w/ 250 sks regular, 4% gel, 1/2 cu ft fine Gilsonite/sk. Second stage cemented w/ 420 sks Incor cement, 2% gel, 1/8# Flocele/sk.

Workover History:

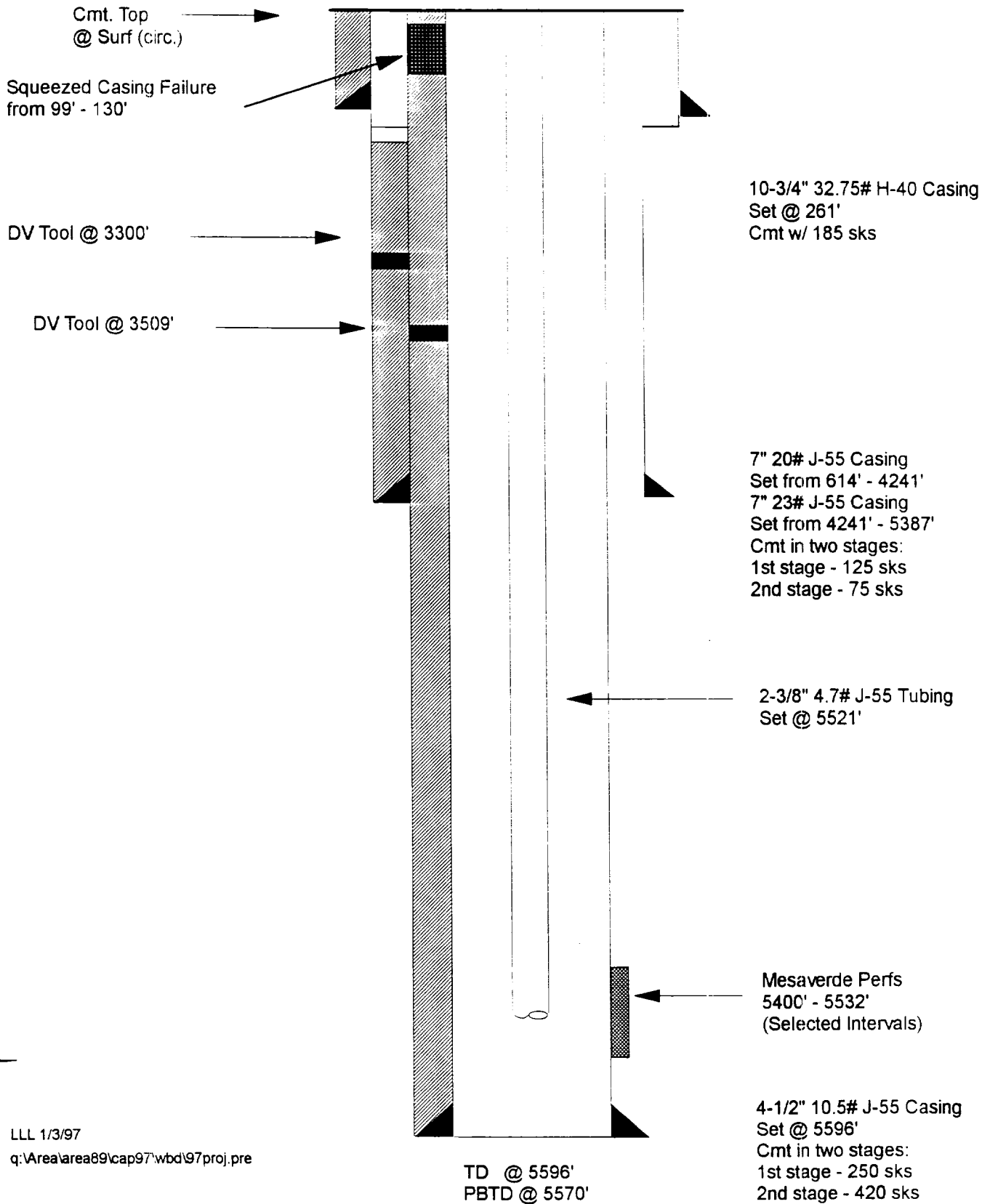
11/18/61 Well originally shot openhole from 5460'-5645'. In 1961, 7" casing was cut and pulled from 0' - 614', 4-1/2" longstring was ran and Point Lookout was fractured.

5/18/87 Casing failure identified in 1985 from 99'-130' was squeezed.

SAN JUAN #11

Unit M, Section 11, T-30-N, R-10-W
Lat. 36-49.31124, Long. 107-51.47646

CURRENT WELLBORE SCHEMATIC



LLL 1/3/97

q:\Area\area89\cap97\wbd\97proj.pre

San Juan #11

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Inspect location and install and/or test rig anchors. **This job will require 12 frac tanks total.** Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

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 176 jts (5521') of 2-3/8" 4.7# J-55 tubing. Visually inspect, tally, and stand back. Note and record locations of scale, if any. Replace any bad joints.
4. PU 3-7/8" bit and 4-1/2" 10.5# casing scraper on 2-3/8" tubing. Rabbit and tally on TIH to PBTD of 5570'. TOOH and LD bit and scraper.
5. MIRU electric line unit. RIH and set CIBP at 5385' (use slow burn charge to set plug). Load hole w/ 2% KCl and pressure test casing and CIBP to 1000 psi.
6. Run GR-CBL-CCL from 5385' to 200' above top of cement or 4500' (whichever is lower) with 1000 psi surface pressure. Run repeat section with 0 psi surface pressure. Top of good cement must be above 4733' to continue. Evaluate CBL and send copy to production and drilling.

Menefee Stimulation:

7. RIH w/ 3-1/8" Select Fire Perforating gun loaded 2 spf w/ 10 or 12 gram charges (0.31" diameter holes) and perforate the following depths:

5038' 5078' 5091' 5120' 5149' 5156' 5161' 5186' 5190' 5247'
5250' 5262' 5343' 5349' 5356'
(30 total holes)

8. RD electric line unit. PU 4-1/2" packer on 2-7/8" N-80 buttress frac string with 4 joints 2-3/8" N-80 above packer for safety. TIH and set packer at approximately 5375'. Load hole w/ 2% KCl and pressure test CIBP to 3800

San Juan #11 Mesaverde Pay Add

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psi (80% of internal yield of 4790 psi). Pull up and reset packer at approximately 4880'.

9. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump 1500 gals of 15% HCl acid at 10-15 bpm. Drop a total of 45 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.
10. Release packer. TIH w/ 4-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at approximately 4880'.
11. RU stimulation company. Pressure test surface treating lines to 7500 psi. **Maximum treating pressure for various rates is listed below.** Fracture stimulate the Menefee interval w/ 98,000# 20/40 sand in 25# Delta Frac (Halliburton's Low Gel Borate Crosslink System) at approximately 35-40 bpm according to the attached procedure.

Rate	Max Pressure
0 bpm	3800 psi
20 bpm	5700 psi
35 bpm	6500 psi

12. RDMO stimulation company. Flow back well immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release packer. TOOH w/ packer and 2-7/8" frac string.
13. RU electric line unit. . RIH and set CIBP at 5000' (use slow burn charge to set plug).

Cliffhouse Stimulation:

14. RIH w/ 3-1/8" Select Fire Perforating gun loaded 2 spf w/ 10 or 12 gram (0.31" diameter holes) and perforate the following depths:

**4783' 4787' 4797' 4808' 4812' 4827' 4834' 4847' 4862' 4866'
4902' 4913' 4918' 4923' 4928' 4859' 4961' 4970' 4975' 4977'
(40 total holes)**

15. RD electric line unit. PU 4-1/2" packer on 2-7/8" N-80 buttress frac string with 4 joints 2-3/8" N-80 above packer for safety. TIH and set packer at approximately 4990'. Load hole w/ 2% KCl and pressure test RBP to 3800 psi

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(80% of internal yield of 4790 psi). Pull up and reset packer at approximately 4630'.

16. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4800 psi. **Maximum treating pressure is 3800 psi.** Pump 1500 gals of 15% HCl acid at 10-15 bpm. Drop a total of 60 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.
17. Release packer. TIH w/ 4-1/2" packer on frac string and knock balls off perforations. Pull up and reset packer at 4630' (or in good cement).
18. RU stimulation company. Pressure test surface treating lines to 7500 psi. **Maximum treating pressure for various rates is listed below.** Fracture stimulate the Cliffhouse interval w/ 145,000# 20/40 sand in 25# Delta Frac (Halliburton's Low Gel Borate Crosslink) at approximately 35-40 bpm according to the attached procedure.

Rate	Max Pressure
0 bpm	3800 psi
20 bpm	5600 psi
35 bpm	6500 psi

26. RDMO stimulation company. Flow back well immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release packer. TOOH and LD packer and 2-7/8" frac string.
27. PU mill on 2-3/8" workstring and clean out to the CIBP set at 5000' with air until sand and water production is minimal. **Obtain flow gauge and record as Cliffhouse.** Mill up CIBP.
28. TIH and clean out to CIBP set at 5385' with air until sand and water production is minimal. **Obtain flow gauge and record as Cliffhouse / Menefee.** Mill up CIBP set at 5385', push to bottom, and clean out to PBTD of 5570'. **Obtain flow gauge and record as Cliffhouse / Menefee / Point Lookout.** TOOH and LD mill.
29. PU, 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 5570' with air. Land tubing at approximately 5520'. 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.

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Approved:  4/2/97
Regional Team Leader

Approved:  4/2/97
Drilling Superintendent