

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

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD) 30-045- 5. Lease Number Fee 6. State Oil&Gas Lease Fee 7. Lease Name/Unit Name Chamberlain 8. Well No. 1 9. Pool Name or Wildcat Blanco Mesa Verde 10. Elevation:
2. Name of Operator Southland Royalty	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	
4. Location of Well, Footage, Sec., T, R, M 1650'FNL, 990'FEL Sec.14, T-32-N, R-12-W, NMPM, San Juan County	

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 Injectio
	<input checked="" type="checkbox"/> Other - pay add & repair	

13. Describe Proposed or Completed Operations

It is intended to eliminate the pressure on the intermediate valve, and also add additional Mesa Verde pay per the attached procedure and wellbore diagram.

RECEIVED
JUL 20 1994
OIL CON. DIV.
DIST. 3

SIGNATURE



(TJM4) Regulatory Affairs July 19, 1994

(This space for State Use)

Approved by Original Signed by FRANK T. CHAVEZ

Title SUPERVISOR DISTRICT #3

Date JUL 20 1994

Pertinent Data Sheet - Chamberlain #1

Location: 1650' FNL, 990' FEL, Section 14, T32N, R12W, San Juan County, New Mexico

DP#: 9230

Prop.#: 0023020

Field: Blanco Mesaverde

Elevation: 6277' DF

TD: 7585'

PBTD: 7580'

Completed: 08-01-51

Initial Potential: 5188 MCF

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"	36.0# (used)	194'	75 sx	Surface
8 3/4"	5 1/2"	15.5# , J-55	4994'	250 sx	3810' TS
4 7/8"	3 1/2"	7.7#	7581'	470 sx	6100' TS
	Shot holes	5600' - 5135'		1045 sx	5135 ?

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>No. Joints</u>
1 1/2"	2.7#, IJ, 10rd	5229'	168

Formation Tops:

Ojo Alamo	1250'	Point Lookout	5148'
Kirtland	1298'	Greenhorn	7267'
Fruitland	2288'	Graneros	7316'
Pictured Cliffs	2776'	Graneros Sand	7391'
Cliffhouse	3935'	Dakota	7467'
Menefee	4740'		

Logging Record: Temp. Survey, CBL, Gamma Ray Neutron

Stimulation:

1951: Shot from 5045' - 5320' w/1005 quarts nitro-glycerine explosives. Ran 2" tbg.

Workover History:

1955: Pulled 2" tbg, sand-oil frac'd from 4995' - 5320' w/17,000 gals diesel #2 & 20,000# sand, flushed w/7,700 gal oil. Re-ran 172 jts 2 3/8" tbg, set @ 5030'.

1967: Drilled thru open hole to the Dakota and cemented a 3-1/2" csg @ 7585' w/ 150 sx. Perfed Squeeze holes from 5600' to 5135 and sq'd w/ 1045 sx.

Dakota:

Perf'd: 7394' - 7400', 7469' - 7487', 7494' - 7502' w/2 SPF.

Frac'd: w/20,000# 20/60 sand, 40,000# 20/40 sand & 2,167 bbl water.

Mesaverde:

Perf'd: 5149' - 5164', 5188' - 5192', 5201' - 5213', 5231' - 5235' w/2 SPF.

Frac'd: w/40,000# 20/40 sand & 996 bbl water. Dropped 40 balls.

1968: Laid two 3" blow lines. Installed BOP. Dressed stinger. Replaced 1 jt tbg @ 5230' w/hole in it.

1977: Plugged Dakota zone. Pulled 1 1/2" tbg, ran scraper to 7300', set cmt ret @ 7189'. Squeezed w/20 sxs Class B cmt. Pulled tbg & laid stinger. Re-ran tbg to 5229'.

Production History:

Cum = 789 MMCF	EUR = 1495 MMCF	Prod = 40 MCFD
BH Press = open	Intermediate Press = 141#	

CHAMBERLAIN #1

CURRENT

BLANCO MESAVERDE

UNIT G SEC 14, T32N, R12W, SAN JUAN COUNTY,
NM

OJO ALAMO @ 1250'
KIRTLAND @ 1298'
FRUITLAND @ 2288'
PICTURED CLIFFS @ 2776'

CLIFFHOUSE @ 3933'

MENEFEE @ 4740'

POINT LOOKOUT @ 5148'

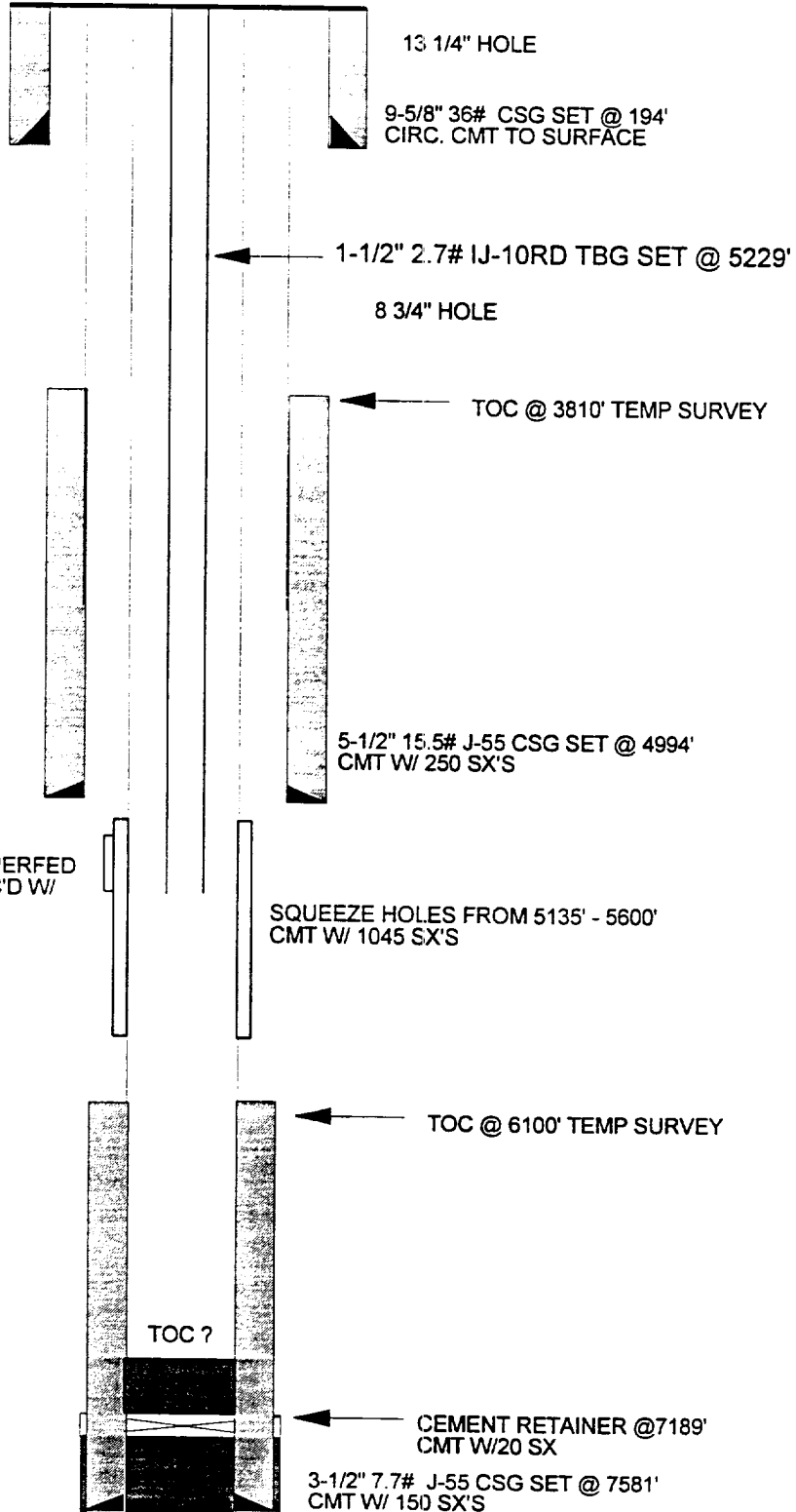
POINT LOOKOUT PERFED
5149' - 5235', FRAC'D W/
40,000# SND.

GREENHORN @ 7267'

GRANEROS @ 7316'

GRANEROS SAND @ 7391'

DAKOTA @ 7467'



TD 7885'

CHAMBERLAIN #1
SECTION 14 T32N R12W
Lat - Long by GITI: 36.989010 - 108.058610
Completion Procedure

1. Comply with all BLM, MOI & NMOCD rules & regulations. MOL and RU completion rig. NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Replace all bad valves on the wellhead.
2. Set 5 frac tanks and fill w/ 1% KCL water.
3. Take a pitot gauge. TOH w/ 1-1/2" 2.7#, IJ 10 rd Tbg set @ 5229'.
4. TIH w/ 3-1/2" csg scraper on 1-1/4" drillpipe. TOH.
5. RU wireline company and run a GR from 5600' - 3600'. Set a CIBP @ 5120'. Dump a sx of sand on top of the CBP. Load the well with 47 bbls of water and pressure test csg to 1000 psi.
6. Run a CBL from 5120' to TOC + 500' or 4500'; which ever is higher.
7. If TOC is not above 4200' then perf 2 SQ hole 50' above the TOC. TIH w/ 1-1/4" drillpipe and a Baker 3-1/2" RC-Hydrogrip packer and squeeze the perf holes with sufficient amount of cement to overlap the 5-1/2" csg by 500'. Release packer, pull two stands, reset packer and repressurize squeeze. Check for flow after 4 hours. Release packer & TOH.
8. WOC for 8 hrs then drill out the cmt to within 50' of the squeeze holes; provided SQ holes are lower than 4800' (Prospective perfs are from 4350' - 4720'). Run a CBL to locate TOC. When TOC is above 4000' then pressure test the csg to 4500 psi. Test above packer if squeeze holes are in perf interval.
9. RU wireline company and selectively perforate the Cliffhouse formation. Perfs (~30) are to be picked off the GR by the Production Engineer. Gun type: 2-1/8" DS 25A HD RDX.
10. RU isolation tool and stimulation company and fracture stimulate the Cliffhouse with the attached procedure. MAX PRESSURE = 4500#. Monitor the intermediate valve throughout the job.
11. TIH with 2-7/8" mill on 1-1/4" drillpipe and CO to bottom perf. When well is clean take a final pitot gauge and mill thru the cmt and CIBP @ 5120'. CO to PBTB (Cement retainer at 7189' or until hard cmt is tagged ~ 7100'). TOH.
12. When wellbore is sufficiently clean, land tbg @ 5300'. TIH w/ 1-1/2" tbg w/ pump out plug in "F" nipple one joint above the expendable check that is on the bottom.
13. ND BOP and NU wellhead. Pump out plug. Take final pitot gauge.
14. Release rig.
15. Call wireline company to run an After Frac Gamma-Ray log.

Approve: _____

Drilling Superintendent

Recommend: _____

Regional Engineer