

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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Revised 10/01/78

This form is not to
be used for reporting
packer leakage tests
in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator SOUTHLAND ROYALTY CO Lease THOMPSON Well No. 10
Location of Well: Unit E Sec. 27 Twp. 31N Rge. 12W County SAN JUAN

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEASURE (Tbq. or Ccg.)
Upper Completion	MESAVERDE	GAS	FLOW	CSG.
Lower Completion	DAKOTA	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 3-2-92	Length of time shut-in 3 DAYS	SI press. psig 474	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in 3-2-92	Length of time shut-in 3 DAYS	SI press. psig 555	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (Hour, date):				Zone producing (Upper or Lower):	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
3-3-92		476	551		
3-4-92		471	554		
3-5-92		472	555		
3-6-92		473	311		
3-7-92		474	361		

RECEIVED
APR 23 1992
OIL CON. DIV
DIST. 3

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

[illegible]

Production rate during test

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80PD based on -

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Gay.

GOR.

ငါး:

MCFPD: Tested thru (Orifice or Meter):

Remarks:

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved _____
APR 23 1962
19

New Mexico Oil Conservation Division

Original Signed by CHARLES GROLSON

Title DEPUTY OIL & GAS INSPECTOR, INST. #3

Date _____

Tide

By

Operator

OPERATIONS ASSISTANT

~~KATHY ZERRI~~

SOUTHLAND ROYALTY CO

NORTHWEST NEW MEXICO PACER LEAKAGE TEST INSTRUCTIONS

1. A pocket linkage test shall be commenced on each multiply completed well within seven days after completion of the well, and manually thereafter as prescribed by the multiple-completion wellbore completion procedure.
2. At least 25 hours prior to the commencement of any pocket linkage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Official operations shall also be so notified.
3. The pocket linkage test shall commence when both zones of the dual completion are shut-in for pressure maintenance. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
4. For Flow Test No. 1, once one of the dual completions shall be produced at the normal rate of production while the other zone remains shut-in, such test shall be commenced for seven days in the case of a gas well and for 24 hours in the case of an oil well. When it, as an initial pocket linkage test, is gas well is being flowed to the atmosphere due to the lack of a specified completion the flow period shall be three hours.
5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even though no test was indicated during Flow Test No. 1. Therefore, the Flow Test No. 2 is to be the same as Flow Test No. 1 except that it is to be conducted during the shut-in period.

that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Presumes for gas-zone tests must be measured on each zone with a deadweight pressure gauge in time intervals as follows: 1 hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at the conclusion of each flow-period. 7-day tests: immediately prior to the beginning of each flow-period, at least one time during each flow period (in approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the record above being taken on the oil zone only, with deadweight pressures as required.

8. The results of the above-described tests shall be filed in duplicate within 15 days after completion of the test. Tests shall be filed with the Asset Classes Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Language Test Form (revised 10-01-78 with all deadweight pressures indicated therein as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).



LTR



Job separation sheet

4-5-66

F. Loc. 1650/N:990/W

Elev. 6211 GL

Spd. 4-6-66

Comp. 5-3-66

TD 734.2

PB 7301

Casing S. 8 7/8 @ 308 W 225 Sx. Int. @ W Sx. Pr. 5 1/2 @ 734.2 W 850 Sx. T. 1 1/2 @ 7045
Csg. Perf. 7110 - 7237 Prod. Stim. 50.5 Okn. 7055

I.P. 2400 ACF BO/D 2204 MCF/D After 3 Hrs. SIF 1769 PSI After 7 Days GOR Grav. Ist Del. 9-14-66

TOPS	NITD	Well Log	TEST DATA
Kirtland	C-103	Plat	Schd. PC Q PW PD D Ref.No.
Fruitland	C-104 6-13-66	Electric Log	2/20/67 1109 225 548 555 207
Pictured Cliffs	360 11-14-66	C-122	4/8/67 760 147 437 380 160
Cliff House	417	Dfr	7/15/68 658 41 481 329 59
Menefee	Dfr	Dac	2/10/69 707 67 460 354 82
Point Lookout	4950		7/18/70 668 40 442 334 60
Mancos			5/1/73 583 11 380 292 13
Gallup	6244		4/17/74 555 33 278 278 33
Sanostee			5/16/77 533 33 283 267 34
Greenhorn	6988		5/1/79 564 21 329 282 23
Dakota 62	7174		8/31/81 801 19 373 401 18
Morrison			6/18/83 NGP
Entrada			4/2/85 828 28 336 331 28
			11-12-87 792

Sh. dat. - 818 / 10/20/01 B N/320
Basin Dak Co. SJ S 27 T 31 N R 12 W U E Oper. Southland Royalty Co Lse. Thompson No. 10

500
Sh. dat. - 818
10/20/01 B
N/320

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

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'FWL Sec.27, T-31-N, R-12-W, NMPM

5. Lease Number
NM-01614

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Thompson #10

9. API Well No.
30-045-

10. Field and Pool
Basin Dk/Blanco MV

11. County and State
San Juan Co, NM

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

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug the Dakota in this dual Dakota/Mesa Verde well and recomplete as a single Mesa Verde well.

RECEIVED
OCT 30 1992
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
OCT 21 AM 10:51
019 FARMINGTON, N.M.

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

Signed [Signature] (MP) Title Regulatory Affairs Date 10/19/92

APPROVED
AS AMENDED

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

OCT 28 1992
AREA MANAGER

THOMPSON #10 MV/DK
Plug Dakota - Produce Mesaverde Single
Recommended Procedure
E 27 31 12

1. Comply to all NMOCD, BLM, & MOI, rules & regulations.
MOL and RU completion rig. Blow well down. NU 6" 900 series BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
2. TOH W/7055' 1-1/2" tbg & Model "D" seal assembly. Replace all bad jts. Run 5-1/2" csg scraper on 1-1/2" tbg to 7050' (60' above top Dakota perf). TOH. Run 5-1/2" cmt ret on 1-1/2" tbg & set @ 7050'. Sting out of cmt ret & pressure test tbg to 2000 psi. Est rate into Dakota perfs & sq w/38 sx Cl G cmt (this will fill csg & Dakota perfs w/100% excess cmt). Sting out of ret & dump 5 sx cmt on top ret. Reverse out.
3. Spot 20 bbl mud from TOC to 6294': 15# sodium bentonite w/non-fermenting polymer, 9# gal weight, & 50 qs vis or greater.
4. PU tbg to 6294' (50' below top of Gallup) & spot 16 sx cmt from 6294' to 6194' (50' above top Gallup). This will fill inside csg w/50% excess cmt.
5. Spot 20 bbl mud from TOC to 5200': 15# sodium bentonite w/non-fermenting polymer, 9# gal weight, & 50 qs vis or greater.
6. Set top drillable BP @ 5200' on wireline.
7. TIH with 1-1/2" tbg with standard seating nipple one joint off open ended bottom. Blow well clean & land 1-1/2" tbg @ 5150'. Take final pitot gauges, water & oil samples, and gas samples.
8. Replace bad valves on wellhead w/rebuilt valves. ND BOP and NU wellhead. Rig down & release rig.

Approved: _____
J. A. Howieson

VENDORS:

Wireline: Petro 326-6669

PMP

Pertinent Data Sheet - THOMPSON #10 MV/DK

Location: 1650' FNL 990' FWL SEC. 27 T31N R12W, SAN JUAN COUNTY, N.M.

Field: Basin Dakota/Blanco Mesaverde

Elevation: 6216' TD: 7342'
12' KB PBTD: 7301'

DP#: MV-74207 DK-74208
GW: 25.00% (100% SRC Trust)
NRI: 21.64%

Completed: 5-3-66

Initial Potential:

DK AOF=2460 MCF/D Q=2204 MCF/D SIP:1769 PSI
MV AOF=5280 MCF/D Q=5010 MCF/D SIP:1002 PSI

Casing Record:

Hole Size	Csq. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
12-1/2"	8-5/8"	24.5#	308'	225 sx	Circ Cmt
7-7/8"	5-1/2"	20 & 23#	7342'	200 sx	6300' Survey
		DV Tool @	5302'	400 sx	3259' @ 75% EFF
		DV Tool @	2746'	250 sx	1469' @ 75% EFF

Tubing Record: 1-1/2" 2.9# J-55 7055' 227 jts
Model "D" pkr @ 7055'
Blast jts: 4945'-86', 4990'-5010', 5042'-62', 5152'-72'

Formation Tops:

Ojo Alamo	1616'	Point Lookout	4950'
Kirtland	1872'	Gallup	6244'
Fruitland	2280'	Greenhorn	6988'
Pictured Cliffs	3604'	Greneros	7046'
Cliffhouse	4174'	Dakota	7174'

Logging Record: Induction, Density, CBL

Stimulation: Perf DK 7237'-33', 7195'-87', 7183'-79', 7125'-21', 7116'-10' w/about 4 spf. Spotted acid & fraced w/60,000# sand in water.
Perf MV @ 4952'-80', 5000'-04', 5046'-52', 5157'-66' w/2 spf & fraced w/80,000# sand in slick water.

Workover History: 12-6-68: TOH w/tbg to repair tbg leak. Reran tbg, spaced out blast jts, & stung into pkr.

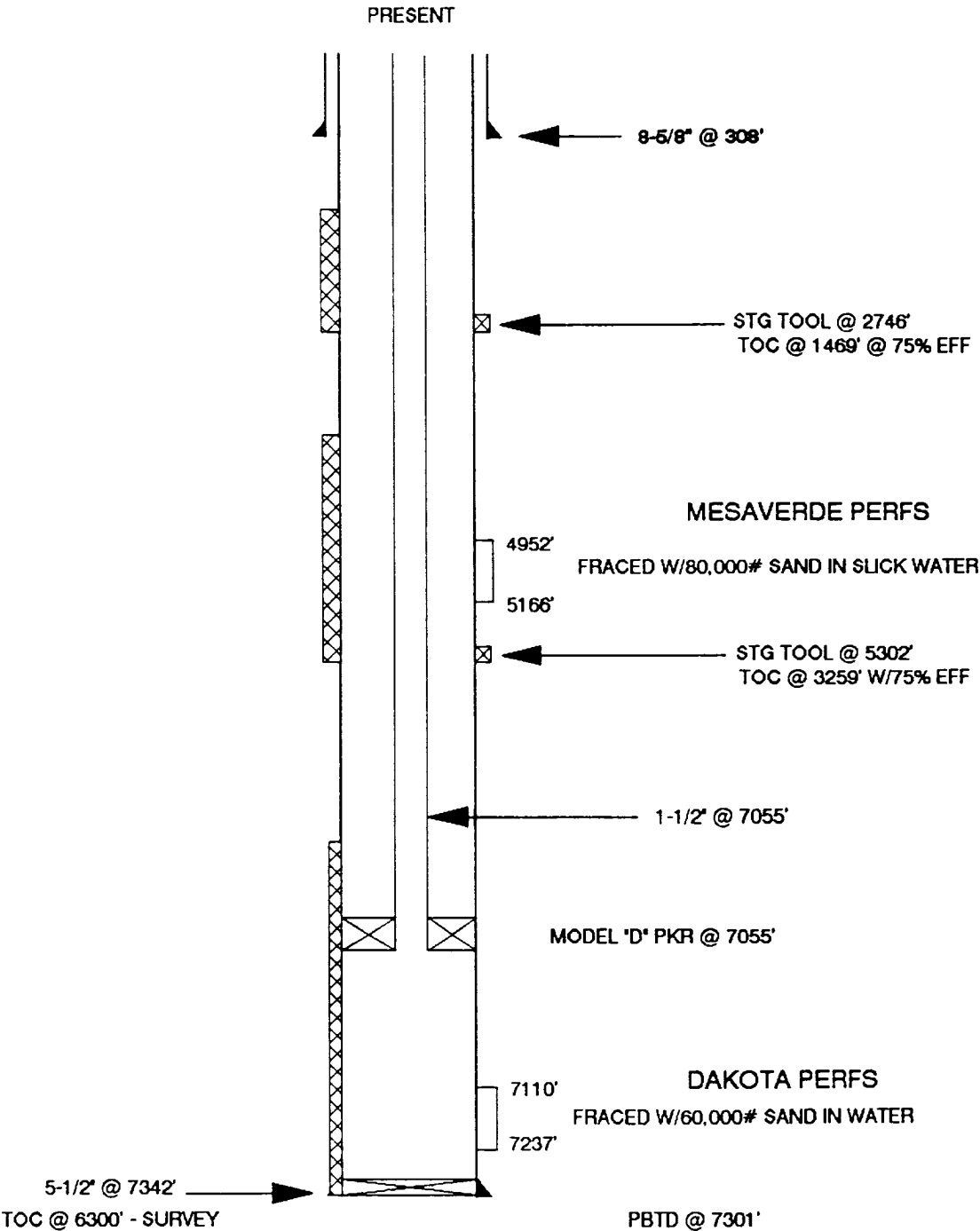
Production History: 1st Delivery= 9-14-66. Cumulative: MV = 690 MMCF & 1725 BO. DK = 247 MMCF & 4196 BO. Capacity: MV = 0 MCF/D, DK = 0 MCF/D. Tbg pressure(DK) = 408 psi. Csg pressure(MV) = 410 psi. Bradenhead = open & dead. Surface oil commingling approved 10-18-66.

Pipeline: Sunterra

PMP

THOMPSON #10 MV/DK

UNIT E SECTION 27 T31N R12W
SAN JUAN COUNTY, NEW MEXICO



THOMPSON #10 MV/DK

UNIT E SECTION 27 T31N R12W
SAN JUAN COUNTY, NEW MEXICO

