

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

Form C-103

Sundry Notices and Reports on Wells

1. Type of Well GAS	API NO. (assigned by OCD) 30-045-22648
2. Name of Operator Southland Royalty Co	5. Type of Lease Fee
3. Address of Operator PO Box 4289, Farmington, NM 87499	6. State Oil & Gas Lease # Fee
4. Well Location 1170'S, 930'W Sec.12,T-31-N,R-11-W NMPM San Juan County	7. Lease Name/Unit Name Lawson
	8. Well No. 3
	9. Pool Name or Wildcat Blanco Pictured Cliffs
10. Elevations 5822 ' GR	

11. Intent to/Subsequent Report of : Remedial Work

12. Describe proposed or completed operations:

It is intended to perform remedial squeeze for the bradenhead flow per the attached procedure and current wellbore diagram. Top of Ojo Alamo is 774' (893' is OCD top).

RECEIVED
JUL 3 0 1991
OIL CON. DIV.
DIST. 3

SIGNATURE *Debra Bradford* (TM) Regulatory Affairs

7-29-91
Date

=====
(This space for State use)

APPROVED BY Original Signed by CHARLES GHOLSON
CONDITION OF APPROVAL, IF ANY:

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 30 1991

Pertinent Data Sheet - Lawson # 3

Location: (M) Section 12, T31N, R11W San Juan County, NM

<u>Field:</u>	Blanco Pictured Cliffs	<u>Elevation:</u>	5822' GL
		<u>TD:</u>	2718' KB
		<u>PBTD:</u>	2693' KB

<u>Completed:</u>	Dec 5, 1977	<u>Initial Potential:</u>	1559 MCFD gauge 1588 MCFD AOF
		<u>Initial Production:</u>	100 MCFD
		<u>Current Status:</u>	Shut-in
		<u>Cum. Production:</u>	182 MMCFD

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Top/Cement</u>
12-1/4"	8-5/8"	24.0# K-55	135' KB	90 Sxs/ 8 Bbls Surf
6-3/4"	2-7/8"	6.4# J-55 10rd	2693' KB	290 Sxs/ TOC 1200'
	2-7/8"	Latchdown	2662' KB	

Formation Tops:

Nacimiento	Surface
Ojo Alamo	774' 893' NMOCD
Kirtland	826'
Fruitland	2172'
Top Coal	2274'
Pictured Cliffs Top	2530'

Doc 898 CBL

Logging Record: IES-Gamma Ray Density, Temperature

Perforations: 1 SPF, .31" holes, total 5 holes. 2571', 2562', 2554', 2546', 2538'

Stimulation: Fractured w/ 55,650 gal slick water & 56,280# 20-40 sand
BDP: 1800, ATP: 2300, ISIP: 350

Comments: Well was flowing water 1-2 BPM when 2-7/8" was run. 7/26/77
Well flowing water @ bradenhead 6 BPH. 5/15/91 Water is
not from PC.
Top of cement estimated from temperature survey @ 1200'

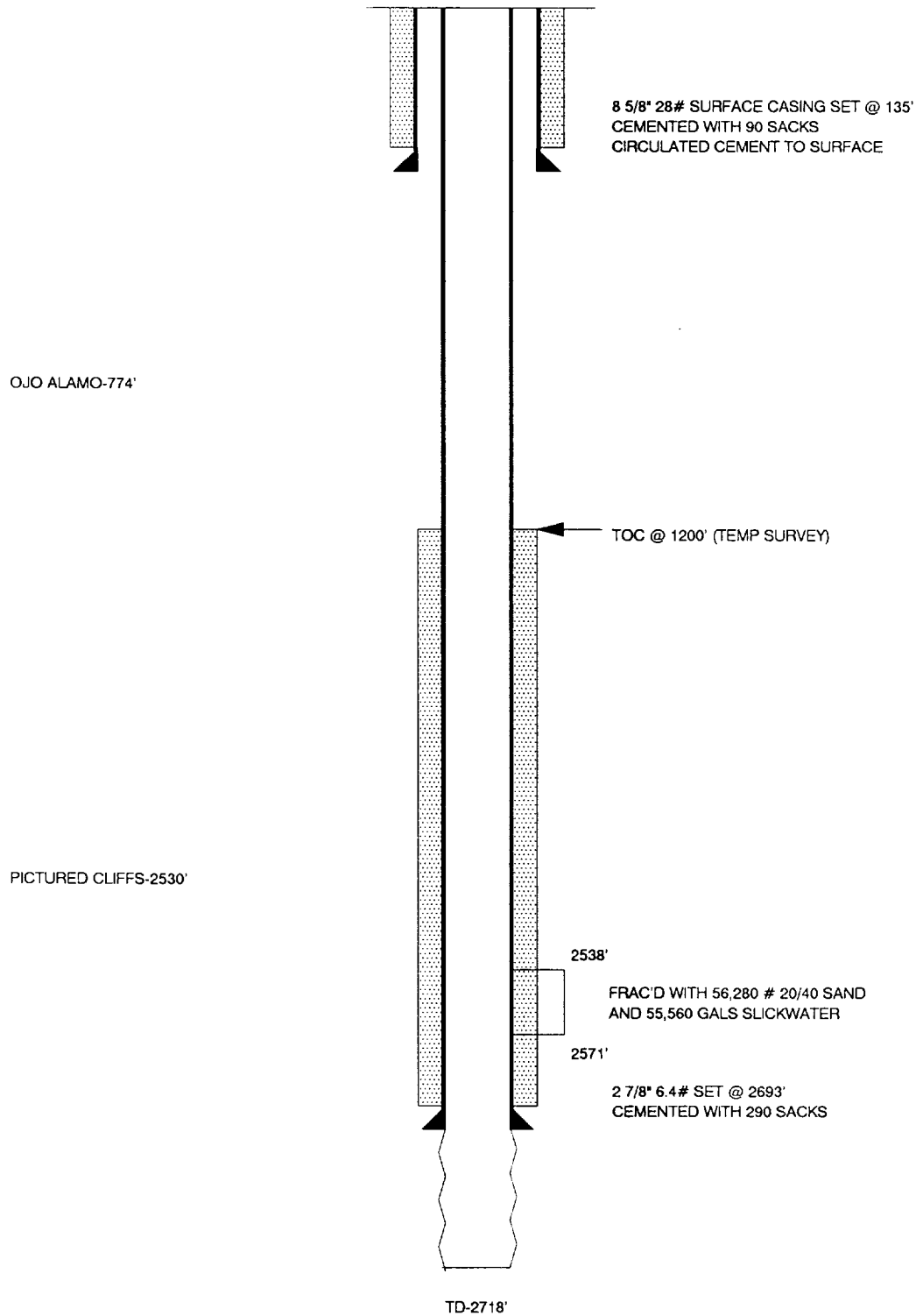
Workover Procedure - Lawson # 3
(M) Sec 12, T31N, R11W
Remedial Cement/Braden Head Water Flow

1. 24 hrs before commencing operation, notify NMOCD. Comply with all MOI, NMOCD, and BLM regulations and requirements.
3. Spot one 200 Bbl tank, fill w/ fresh water filtered 25 microns. Install flow manifold to braden head.
4. MO workover rig. **Hold Safety Meeting.** Kill well w/ fresh water. ND tree. NU BOP on master valve & circulation manifold. Install bleed off line and blooie line.
5. MORU Blue Jet wireline unit. Open braden head. RIH w/ 2.25" gauge ring. POOH. Shut-in braden head. Run CBL-GR-CCL. w/ low pressure packoff. Log PBTD to 8-5/8" shoe.
6. Locate TOC. Notify production engineering. RIH w/ Baker Tools model O28 N-3 2-7/8" drillable BP. Set @ 2300'. Fill hole w/ water. Pressure test casing to 1000 psi. If test fails, locate failure, locate failure and squeeze
7. RIH w/ 2" Gowinder perforating gun. Perf 2 squeeze holes w/ 9.5g charges 180 degree phasing @ 910', avoid collars. RD & release Blue Jet wireline..
8. MORU Western cementing & manifold. Open braden head. Establish circulation. **Circulate to Surface.** Squeeze w/ 443 sxs class B cement w/ 2% CaCl (15% excess/10" out of gauge hole). After good circulation to surf, shut-in braden head, & continue squeeze. Install wiper plug. Flush w/ 5.2 bbls (219 gal) water. Do not overdisplace. Record flush volume. RD & release Western equipment. WOC 12 hrs.
9. PU & DO cmt w/ 1-13/16" district tools work sting & 2-1/4" star bit. and float sub. Mill slips to release BP. Knock to btm of hole. Tag btm to verify open perforations. Open braden head, verify squeeze.
10. Roll hole w/ air. TOO. ND BOP. NU WH. RD & release rig. Haul fluids & clean location.
11. Notify NMOCD and Lyle Nation. Return to production.

R. F. Headrick

LAWSON #3

UNIT M, SEC 12, T31N-R11W



Induction Log, SP
Lawson #3, Pictured Cliffs
sec 12, 31N, 11W

5822 GL

5834 KB

00700

774'

00800

030
Alamo

826'

Kirkland
S/S/H