

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells
95 JUL 11 PM 1:57

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

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' FSL, 1650' FEL, Sec. 24, T-30-N, R-11-W, NMPM
J

070 FARMINGTON, NM

5. Lease Number
SF-078171
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Murphy #1
9. API Well No.
30-045-09322
10. Field and Pool
Aztec Pictured Cliffs
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 - Restimulate
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to run and cement 3 1/2" casing in the subject well and then perforate and fracture treat the Pictured Cliffs formation according to the attached procedure and wellbore diagram.

RECEIVED
JUL 18 1996
OIL CORL. DIV.
DIST. 3

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

Signed Nancy Oltmann (PMP2) Title for Regulatory Administrator Date 7/10/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

JUL 12 1996

M. L. L. L.
DISTRICT MANAGER

NM000

MURPHY #1 PC
Workover Procedure
J 24 30 11
San Juan County, N.M.
Lat-Long: 36.794601 - 107.938980

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP w/flow tee and stripping head. NU blooie line & 2-7/8" relief line.
2. TOH w/1-1/4" tbg. TIH w/4-3/4" bit on 2-3/8" rental tbg & C.O. w/air/mist to new TD 2770'. Load hole w/1% KCL water. TOH.
3. MI Blue Jet. Run an advanced integrated data processing GSL neutron log 2770'-2200' & coorelate to open hole log & 6-5/8" shoe @ 2638'.
4. Run 3-1/2"-OD 9.2# J-55 NUE tbg to TD 2770' w/Omega type latching collar above 2' tbg sub w/notched collar on bottom. Cement w/400 sx 50-50 Cl"B" POZ w/2% gel & 6-1/2#/sx kolite & 10% salt & 2% Cacl. (yield=1.44 cf/sx). This should circ cmt to surface w/50% excess. After cmt, break & wash lines, run 2 wiper balls & Omega wiper latching plug, followed by 100 gal 7-1/2% HCL acid. Displace acid w/1%KCL water. After plug seats, release pressure. Space out using tbg subs & install 3-1/2" csg in new csg spool. Install 6000 psi rental frac valve on 3-1/2" csg.
5. Pressure test csg to 6000 psi. MI Basin Perforating. Run GR-CCL & coorelate to neutron log. Perf PC w/about 16 holes over 150' of PC interval as per Production Engineering Dept. Perf w/2-1/8" SHOGUN SDP STP-2125-401NT 14 gr charges which make a 0.27" hole & 21.8" of penetration in concrete
6. Break down PC perfs down 3-1/2" csg w/2000 gal 15% HCL & 150% excess perf balls. Acidize @ 7 BPM w/max pressure = 6000 psi. Run junk basket to retrieve balls.
7. Spot & fill 2-400 bbl. frac tanks w/2% KCL water. Filter all water to 25 microns. One tank is for gel & one tank is for breakdown water. Usable gel water required for frac is 355 bbls.
8. Frac PC down 3-1/2" csg w/49,000 gals. of 70 quality foam using 30# gel as the base fluid & 80,000# 20/40 Arizona sand. Pump at 70 BPM. Monitor bottomhole & surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 6000 psi & estimated treating pressure is 5500 psi. Treat per the folowing schedule:

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	14,000	4,200	—
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	5,000	1,500	20,000
Flush	(962)	(289)	0
Totals	49,000	14,700	80,000#

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid w/the following additives per 1000 gallons:

- * 30# J-48 (Guar Gel mix in full tank - 16,000 gal)
- * 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)

MURPHY #1 PC - PC RESTEM

- * 1.0# GVW-3 (Enzyme Breaker mix on fly)
- * 1.0# B - 5 (Breaker mix on fly)
- * 3.0 gal Fracfoam I (Foamer mix on fly)
- * 0.38# FracCide 20 (Bacteriacide mix on full tank)

9. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
10. Change out frac valve w/tbg head. TIH w/notched collar on 1-1/4" IJ tbg & C.O. to 2768'. Monitor gas & water returns & take pitot gauges when possible.
11. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 2768'-2200'.
12. TIH w/1-1/4" IJ tbg w/standard seating nipple one joint off bottom & again cleanout to 2768'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 2680' KB. Take final water & gas samples & rates.
13. ND BOP & NU wellhead & tree. Rig down & release rig.

Recommended:  6/28/96
Production Engineer

Approve: _____
Drilling Superintendent

VENDORS:

Logging:	Blue Jet	325-5584
Perfing	Basin	327-5244
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133
Csg Equip:	Howco	325-3575
Cmt	Howco	325-3575

PMP

Pertinent Data Sheet - MURPHY #1 PC

Location: 1650' FSL & 1650' FEL, Unit J, Section 24, T30N, R11W, San Juan County, New Mexico

Field: Aztec PC

Elevation: 6191' GL
DF=10'

TD: 2720'
PBTD: 2720'

Completed: 2/1/53

Spud Date: 1/22/53

DP #: 49210
Lease: Fed: SF-078171
GWl: 62.5%
NRI: 53.375%
Prop#: 0023054

Initial Potential: Initial Potential = 1085 MCF/D, SICP=676 psi

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	9-5/8"	25.4# N/A	122'	100 sx.	Circ Cmt
8-3/4"	6-5/8"	17# N/A	2638'	150 sx.	1510' - Survey

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1-1/4"	2.33# J-55	2680'

86 Jts
S.N. @ 2650' Notched Collar on Bottom

Formation Tops:

Ojo Alamo:	1290'
Kirtland Shale:	1400'
Fruitland:	2253
Pictured Cliffs:	2647'

Logging Record: E-log

Stimulation: Shot Open Hole w/213 Qts SNG.

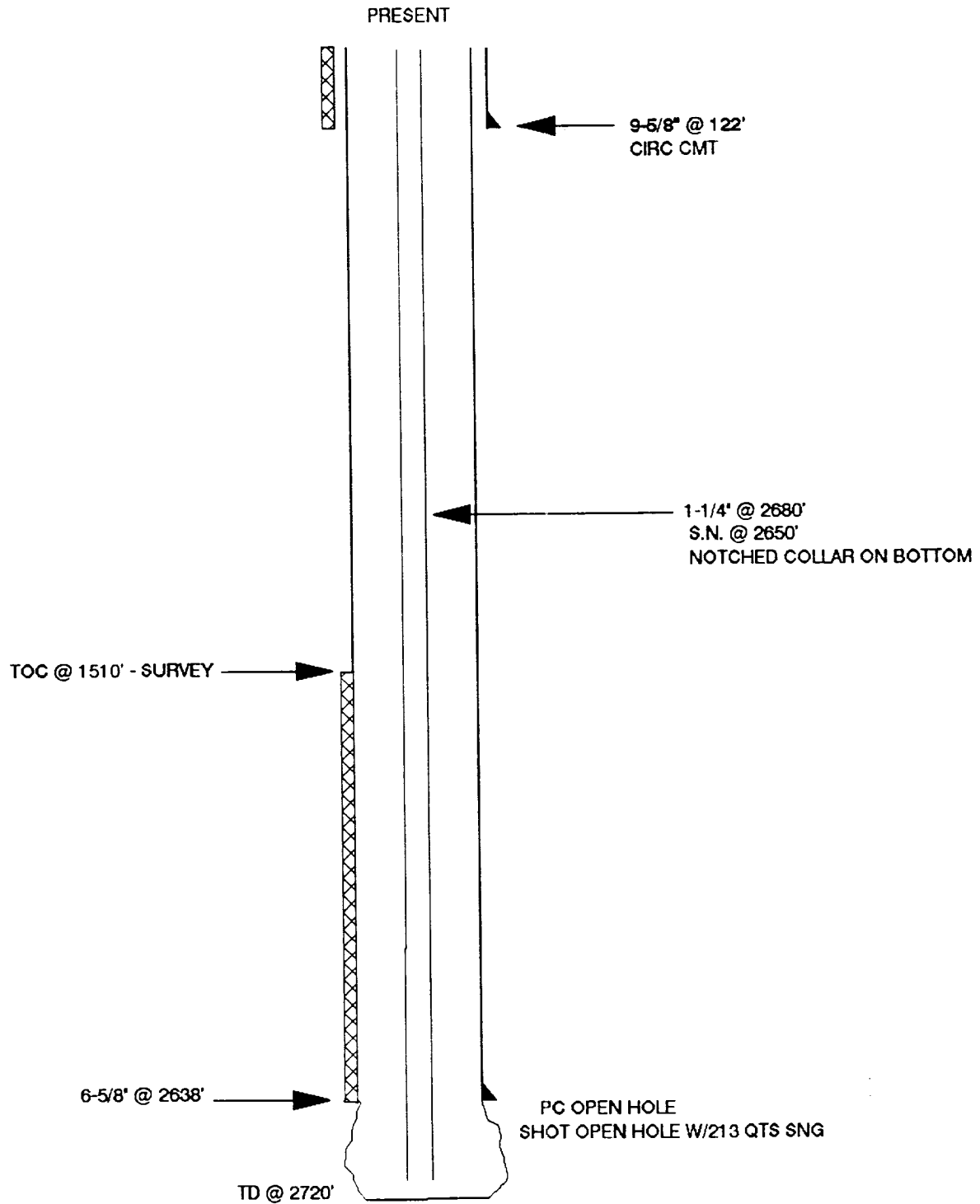
Workover History: 10/4/95: TOH w/1" tbg. C.O. to TD2720'. Ran 1-1/4" tbg to 2680'.

Production history: 1st delivered 2/53. Current capacity is 0 MCF/D. Cum is 349 MMCF.
W/ 0 MMCF booked.

Pipeline: EPNG

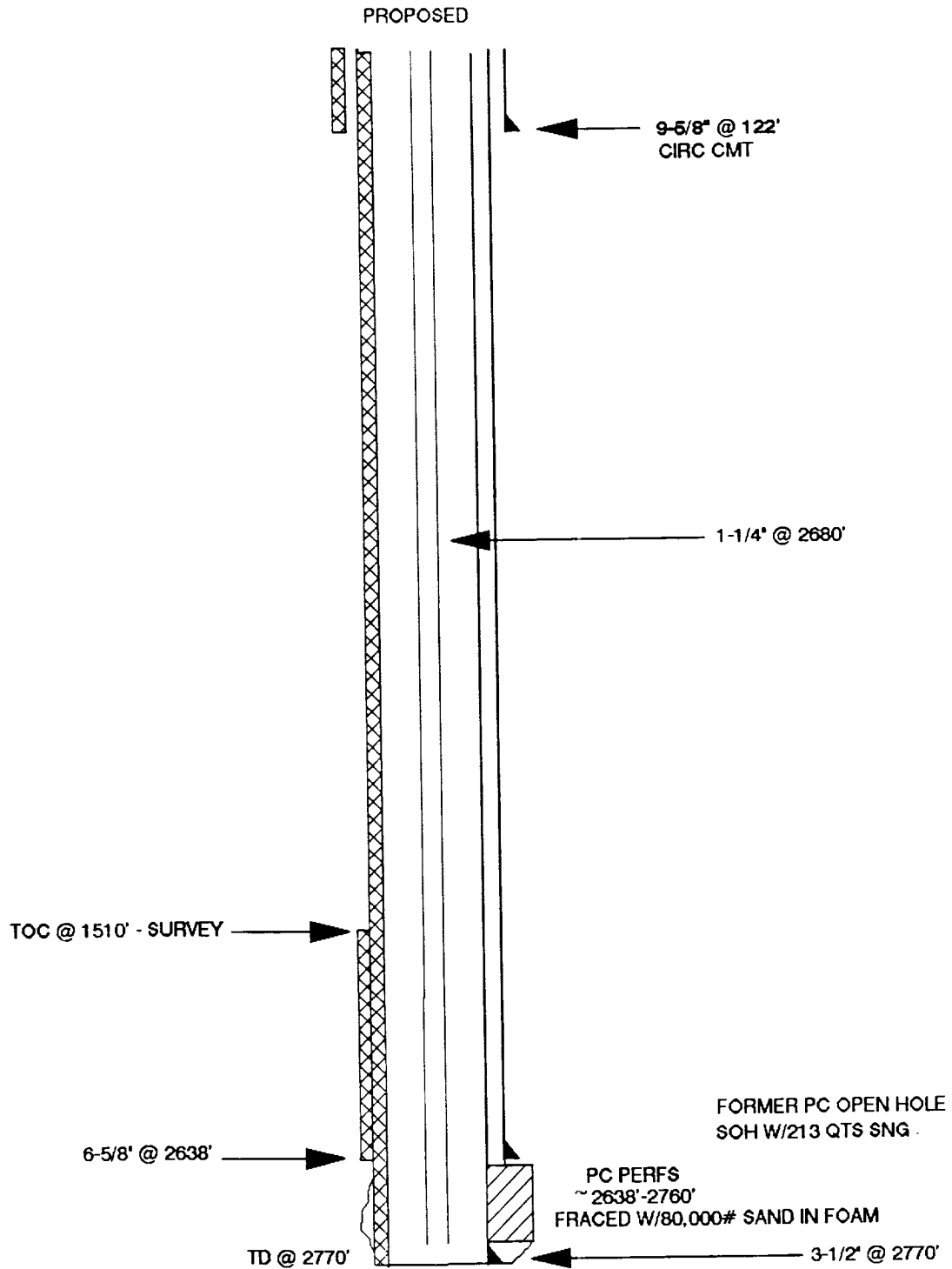
MURPHY #1 PC

UNIT J SECTION 24 T30N R11W
SAN JUAN COUNTY, NEW MEXICO



MURPHY #1 PC

UNIT J SECTION 24 T30N R11W
SAN JUAN COUNTY, NEW MEXICO



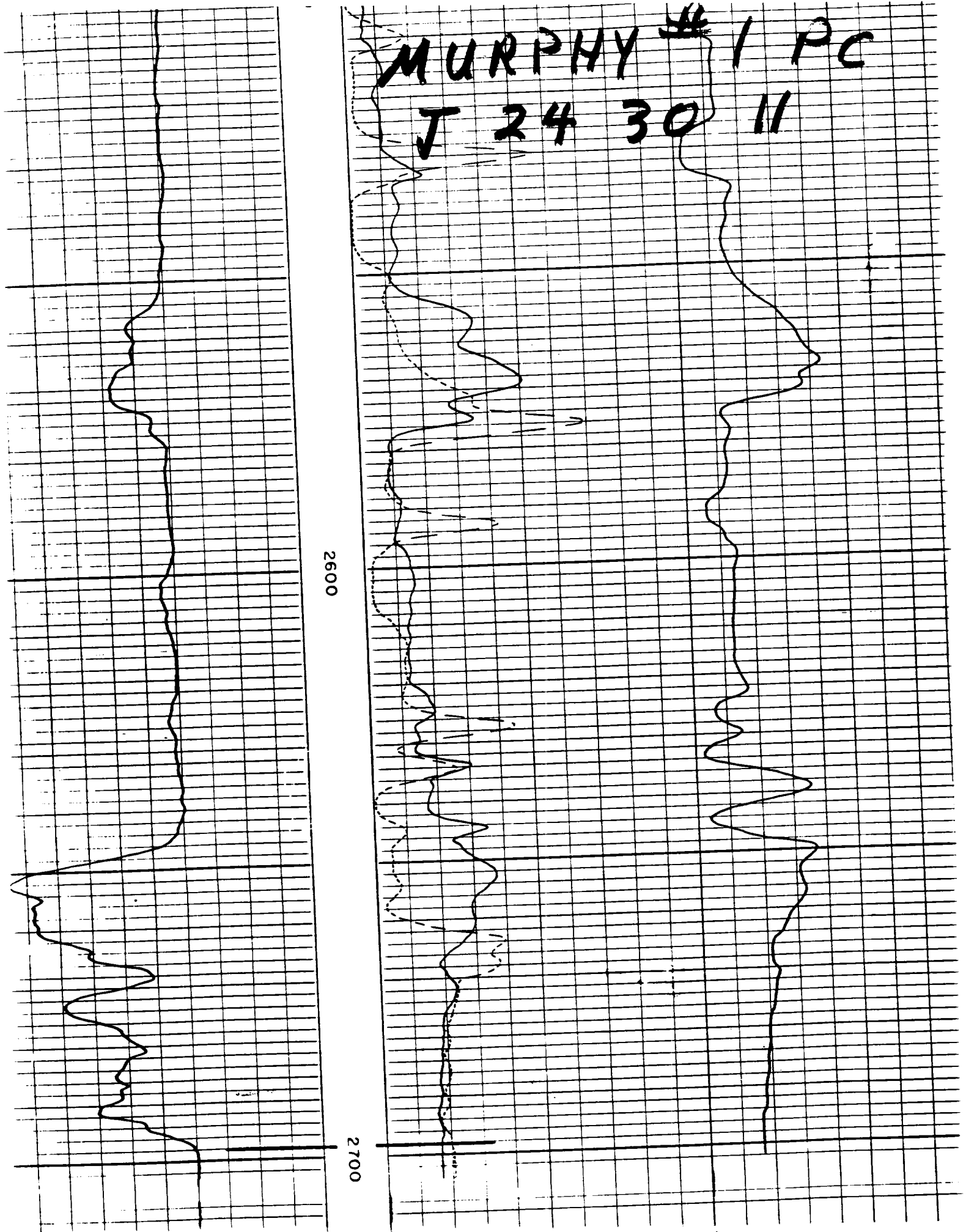
MURPHY #1 PC
J 24 30 11

2600

2700

NORMAL

LONG NORMAL



AZTEC FEB 1

J 24 30 11

2400

2500

2600

2700

2800

2900

24

62'

