

BHP • BU • PI • DD • GWT • RFS • GOR • FL • TS

TEFTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS / FARMINGTON, NEW MEXICO
GRAND JUNCTION, COLORADO

P. O. Box 5278
Midland, Texas 79704
(915) 682-5574

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NMOC
Well File

May 7, 1991

RECEIVED

MAY 15 1991

OIL CON. DIV.
DIST. 3

Great Western Drilling Company
2550 La Plata Highway
Farmington, NM 87401

Attention: Mr. Doyle Baxter

Subject: Buildup Measurement

13-267-541
Basin Dakota Field
San Juan County, New Mexico
Our File No. 2-23211-BU

Dear Mr. Baxter:

Attached hereto are the results of a bottomhole pressure buildup measurement which was conducted on the above captioned well April 29 through May 6, 1991.

The data presented are in tabular and graphical form.

It has been our pleasure to have conducted this service for you. If we may be of further assistance, please call us at any time.

Respectfully submitted,

TEFTELLER, INC.

Neil Tefteller

Neil Tefteller

NT/lw

1cc: Mr. Curtiss Mahanay
Great Western Drilling Company
Box 1659
Midland, TX 79702-1659

TEFTELLER, INC.

RESERVOIR ENGINEERING DATA AND PRODUCTIVITY ENHANCEMENT SERVICES
MIDLAND, TEXAS • FARMINGTON, NEW MEXICO • GRAND JUNCTION, COLORADO

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1991 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 6500' PSIG
			HRS	MIN	TBG	CSG	
4-29	Arrived on location, well shut-in Instruments @ 6500'	10:00	312	00	1664	1664	
		13:45					
		14:00	316	00			2029
		22:00	324	00			2031
4-30		10:00	336	00			2035
		22:00	348	00			2037
5-1		10:00	360	00			2038
		22:00	372	00			2039
5-2		10:00	384	00			2040
		22:00	396	00			2041
5-3		10:00	408	00			2041
5-4		10:00	432	00			2041
5-5		10:00	456	00			2042
5-6		10:00	480	00			2042
	Gradient traverse	13:00	483	00	1675	1675	2042

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P.O. Box 5247
Midland, Texas 79704

Buildup Curve

Great Western Drilling Company
Bond Federal No. 1-E
File No. 2-23211-BU

Bottomhole pressure @ 6500 feet, psig

Shut-in time: hours

100

200

400

600

800

1000

3000

2750

2500

2250

2000

1750

1500

1250

1000



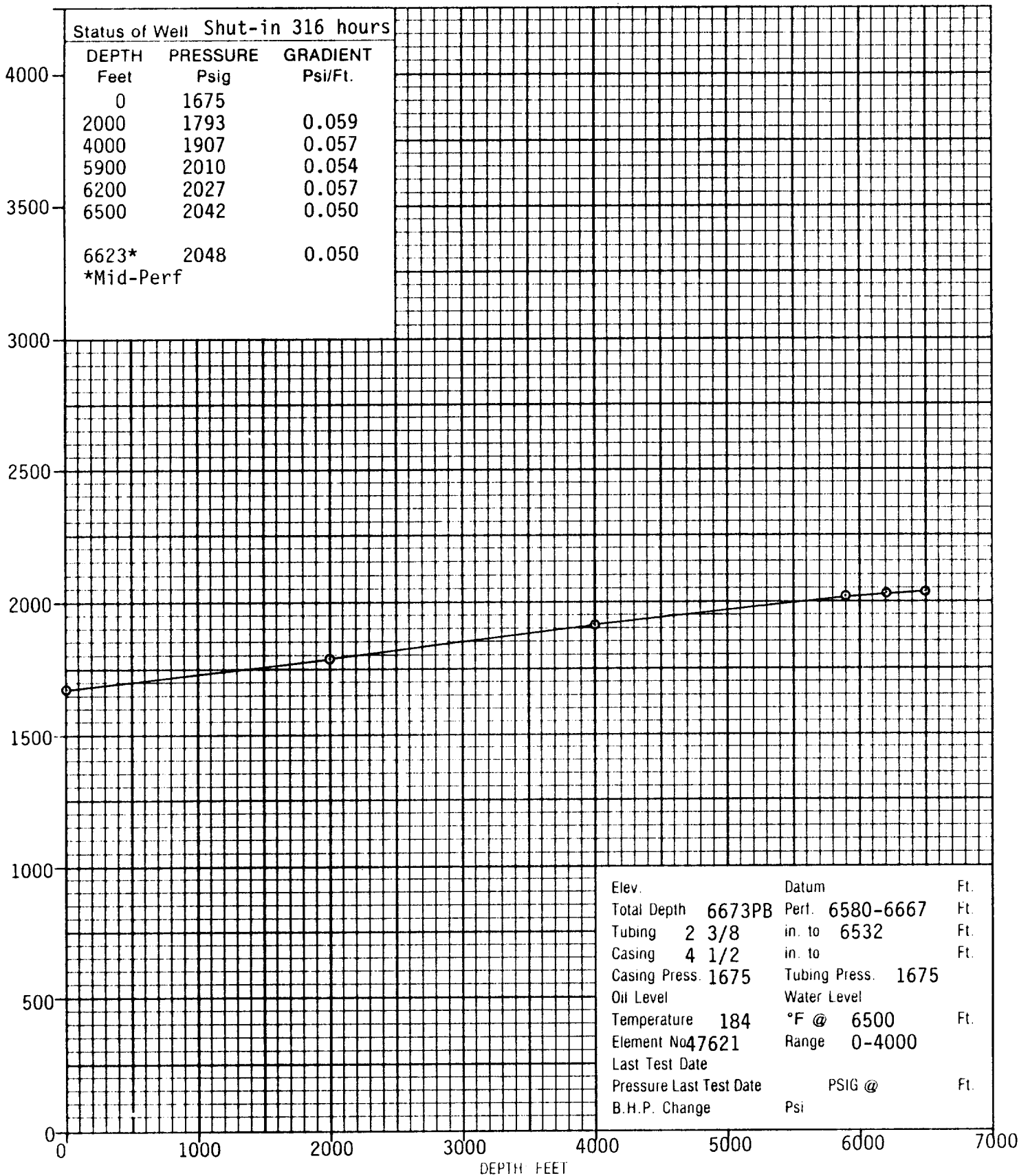
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Company GREAT WESTERN DRILLING CO. Lease BOND FEDERAL Well No. 1-E
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date MAY 6, 1991

Status of Well Shut-in 316 hours

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1675	
2000	1793	0.059
4000	1907	0.057
5900	2010	0.054
6200	2027	0.057
6500	2042	0.050
6623*	2048	0.050
*Mid-Perf		

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev.	Datum	Ft.
Total Depth 6673PB	Perf. 6580-6667	Ft.
Tubing 2 3/8	in. to 6532	Ft.
Casing 4 1/2	in. to	Ft.
Casing Press. 1675	Tubing Press. 1675	
Oil Level	Water Level	
Temperature 184	°F @ 6500	Ft.
Element No 47621	Range 0-4000	
Last Test Date		
Pressure Last Test Date	PSIG @	Ft.
B.H.P. Change	Psi	