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JUN 28 2010

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-01037

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

STATE C AC 1

8. Well Number

4

9. OGRID Number

20165

10. Pool name or Wildcat

SWD Devonian

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other: SWD ☒

2. Name of Operator

Samson Resources Company

3. Address of Operator

Two West Second Street, Tulsa, OK 74103

4. Well Location

Unit Letter M : 660 feet from the South line and 660 feet from the West line
Section 2 Township 12S Range 33E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4237' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐OTHER: ☐OTHER: Ran New Tubing, Set Packer & Well Integrity Test ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5-14-2010:

Mechanical Integrity Test Performed – Failed; witnessed by Maxie Brown with OCD

Ran new tubing, set packer at 10,727' – did not pass Mechanical Integrity Test – Charts Attached

Well currently Shut-In

Plans to repair - Locate leak and attempt to repair, then will perform subsequent Mechanical Integrity Test

Spud Date:

Rig Release Date:

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

SIGNATURE

Autumn M. LongTITLE: Environmental SpecialistDATE 6/25/10Type or print name: Autumn LongE-mail address: autumnl@samson.comPHONE: (918) 591-1364

For State Use Only

APPROVED BY

[Signature]

TITLE

State Rep

DATE

6-28-10

R.N.

WELL:	State "C" A/C 1 #4 SWD	OPERATOR:	S R C	SPUD DATE:	6/19/1955
COUNTY:	Lea	LEASE#:	030253 -0004	LOCATION:	Sec 2-T12S-R33E
STATE:	New Mexico	FIELD:	Bagley Hightower		660' FSL & 660' FWL
API:	30-025-01037-0000	FORMATION:			
TD:	11,275'				
PBTD:	11,275'	ELEVATION:	4,255' KB	ZERO DATUM:	13 0' FT. ABOVE: GL

CASING RECORD

SURFACE CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
13 375"	48 00#	H40	ST&C	0'	319'		17 000"	350	Surface
9 625"	36 00#	J55	LT&C	0'	3,876'		12 000"	2800	Surface

PRODUCTION CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
7 000"	23 00#	N80		0'			8 750"	1825	4,710'
7 000"	26 00#	N80					8 750"		(by T S)
7 000"	29 00#	N80			11,019'		8 750"		

TUBING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.
3 500"	9 30#		EUE	0'			287
3 000"	9 30#	N80	EUE		10,723'		53

PERFORATION RECORD

DATE	TOP	BOTTOM	SPF	ZONE	STATUS
10/23/55	9,000'	9,022'	4	Penn	Sqz'd
10/23/55	9,022'	9,048'	8	Penn	Sqz'd
07/18/73	9,844'	9,968'		Penn	Sqz'd
09/02/73	9,492'	9,760'		Penn	Sqz'd
09/25/73	9,370'	9,454'		Penn	Sqz'd
11/02/88	10,852'	11,275'		Devonian	Open Hole

TREATMENT

10/23/1955	Perf'd Penn zone f/9000'-9,048' and treated w/500 gals mud acid and 1500 gals regular acid
7/18/1973	Set CIBP @ 10,000', PBTD @ 9998' Sqz'd Penn perms w/175 sxs Perf'd f/9844'-9968' and acidized w/5,000 gals 15% acid
9/2/1973	Acidized perms f/9492'-9760' w/2,000 gals 15% acid No show of oil or gas Added perms 9370'-9454' and acidized w/5000 gals 15% Set CIBP @ 9470'
12/17/1974	Converted from hydraulic to rod pump
9/10/1987	Well TA'd after several pulling jobs
9/6/1988	Deepened well to 11430' and converted to SWD Sqz'd perms f/9370'-9454'
9/10/1988	Drilled out CIBP @ 9470'-9472' Tagged CIBP @ 9987' Sqz'd perms f/9492'-9760' & f/9844'-9968' Tagged CIBP @ 9987' Drilled plug f/9997'-9998' DO CIBP @ 10979--
	Fell free to 10,999' Drilled to 11013' Problems w/FH, attempted to recover Set whipstock #1 @ 10936', Set whipstock #2 @ 10869'
11/18/1988	Began drilling 5,875' OH, TD @ 11,240' Attempted to put well on injection, would not take water @ 2000 psi
7/18/1989	Worked over well to re-establish injection
5/2/1995	Acidized w/8000 gals 15% HCL & 3000 gals gelled brine w/2 ppg
6/2/1996	Acidized w/4000 gals 15% HCL
11/2/1998	SRC took over operations from ORYX
12/29/1998	Acidized OH w/5000 gals 15% NeFe acid AIR 120 psi @ 3 4 BPM Pre-work rate=1510 BWPD, 185 psi Post-work rate=22000 BWPD, vacuum
8/23/1999	Load casing w/1 BW Pump 1500 gals 15% NEFE with 1 5 gals Low-Surf 300 and 1 5 gals HAI81 Flush w/93 bbls produced water Ave psi=355, Max psi=841, Ave rate=3 4 BPM, Max rate=4 3 BPM, ISIP=101 psi Returned well to injection
6/18/03:	Acidized tbq w/2000 gal 15% HCL w/2 gal EP-3 NE, 4 gal 1-3 inhibitor, 10 gal LAC
11/4/03	Acidized tbq w/3500 gal 15% HCL w/2 gal EP-3 NE, 4 gal 1-3 inhibitor, 10 gal LAC
12/1/03:	Mechanical Integrity Test
05/14/10:	Csg leak, failed MIT

Comments: 5 875' Open Hole Sidetracked @ 10,852'-11,275'

13 3/8" set @ 319'

9 5/8" set @ 3876'

TOC @ 4,710'

Perfs @ 9000'-9048' (Sqz'd)

Perfs @ 9370'-9454' (Sqz'd)

Perfs @ 9492'-9760' (Sqz'd)

Perfs @ 9844'-9968' (Sqz'd)

Otis On/Off Tool @ 10687'

Arrow Set Pkr @ 10,727'

3 5" EOT @ 10,712'

Casing Window @ 10,852'-10,864'

Whipstock #2 @ 10869'

Whipstock #1 @ 10936'

7" set @ 11019'

Wellbore obstruction @ 11013'

OPEN HOLE
10,852'-
11,275'

MISCELLANEOUS

SRC Wt%:	100 00%	BHT:
ZONE PENALTY:		BHP:
COMPETITIVE:		EST SITP:
FERC CLASS:		EST WHSIP:
FORCE POOL:		COMPRESSOR DETAIL:
SRC OFFSET/ZONE:		
LOGS:	Gamma Ray, Caliper Log	PUMPING UNIT DETAIL:

CAPACITIES

Tubular Cap.	Bbl/ft	Ft3/ft
Tubing(3 0#)		
Tubing(3 5#)	0 00871	0 04888
Casing (23#)	0 03936	0 22100
Casing (26#)	0 03826	0 21480
Casing (29#)	0 03714	0 2085
Annular Cap	Bbl/ft	Ft3/ft
Tbg(3 5#) x Casing(23#)	0 02746	0 15420
Tbg(3 5#) x Casing(26#)	0 02635	0 14800
Tbg(3 5#) x Casing(29#)	0 02524	0 14170

TUBULAR GOODS PERFORMANCE

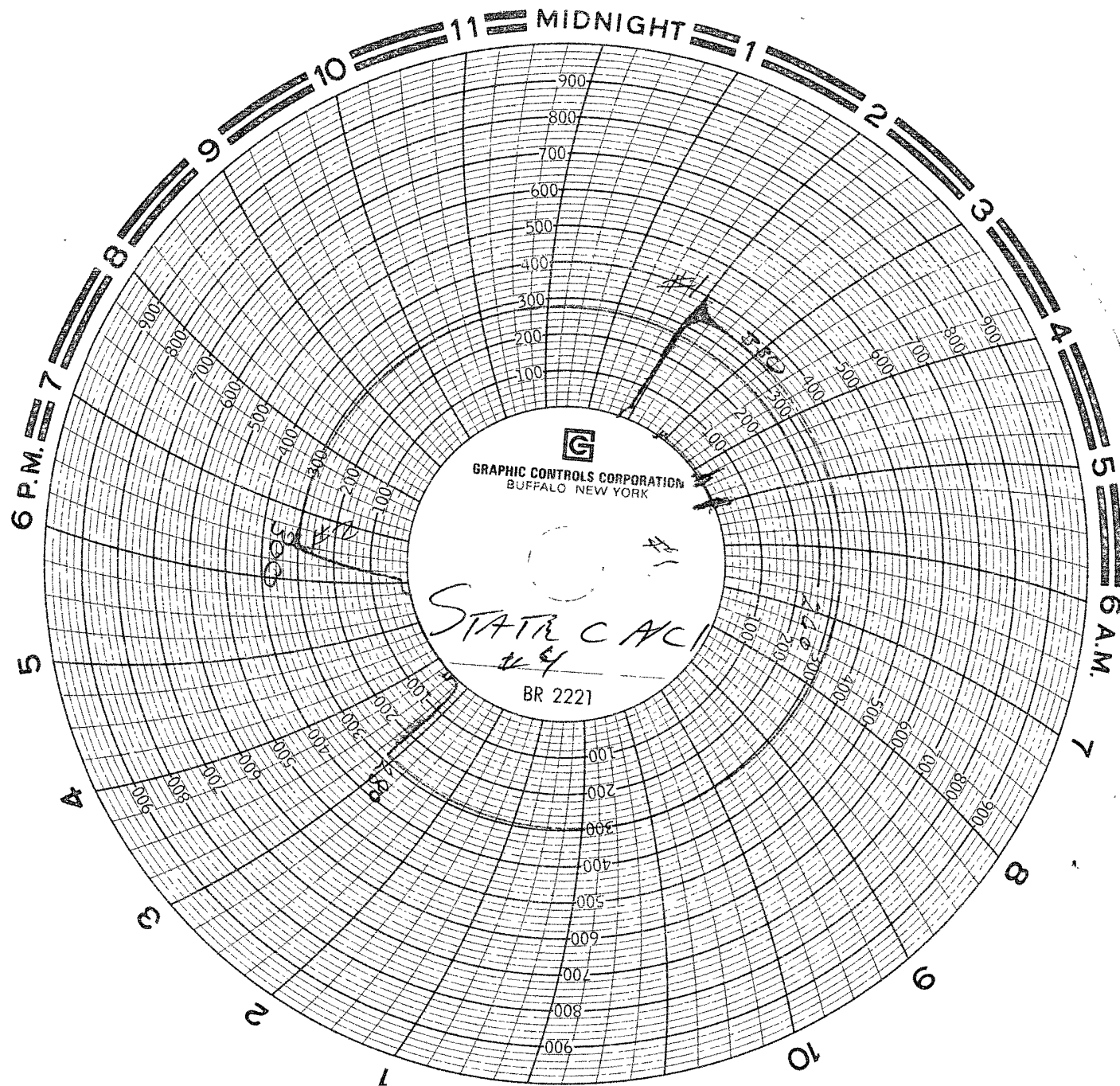
Material	Tensile (lbs)	Burst (psi)	Collapse (psi)	ID (in)	Drift (in)
13 375" 48# H40 ST&C	322,000	1,730	770	12 715	12 559
9 625" 36# J55 LT&C	453,000	3,520	2,020	8 765	8 921
7" 23# N80	442,000	6,340	3,830	6 366	6 241
7" 26# N80	519,000	7,240	5,410	6 276	6 151
7" 29# N80	597,000	8,160	7,020	6 184	6 059
3 5" 9 3# EUE				2 922	2 867
3" 9 3# N80 EUE					

*Assumed all 7" casing is LT&C

*Safety Factor Not Included

Engineer: Eric Outlaw
Office#: 918-591-1929
Home#:

Prepared By: Sarah White
Date: 12-9-96
Updated: 6-10-97
6/22/2010 gls

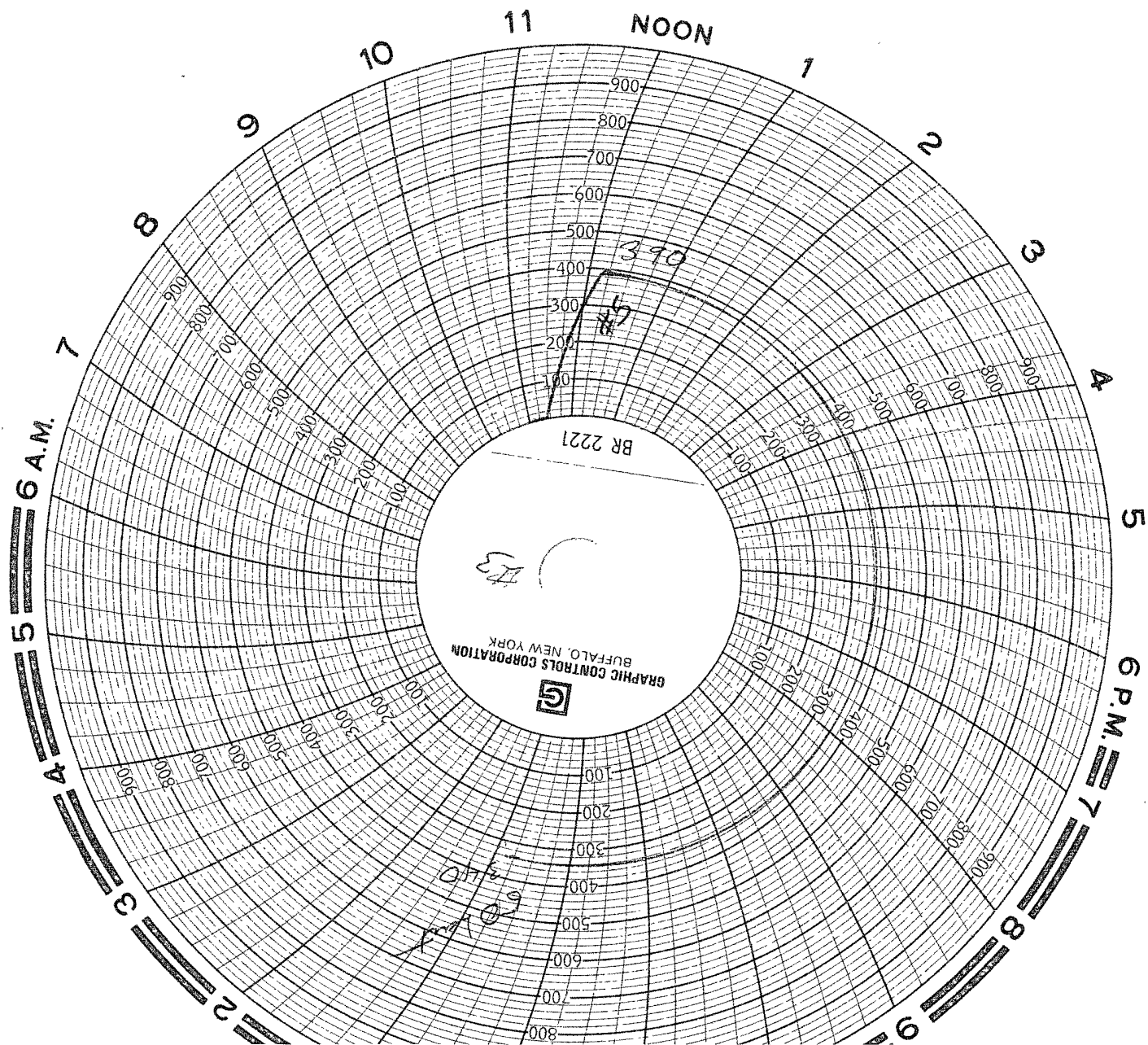


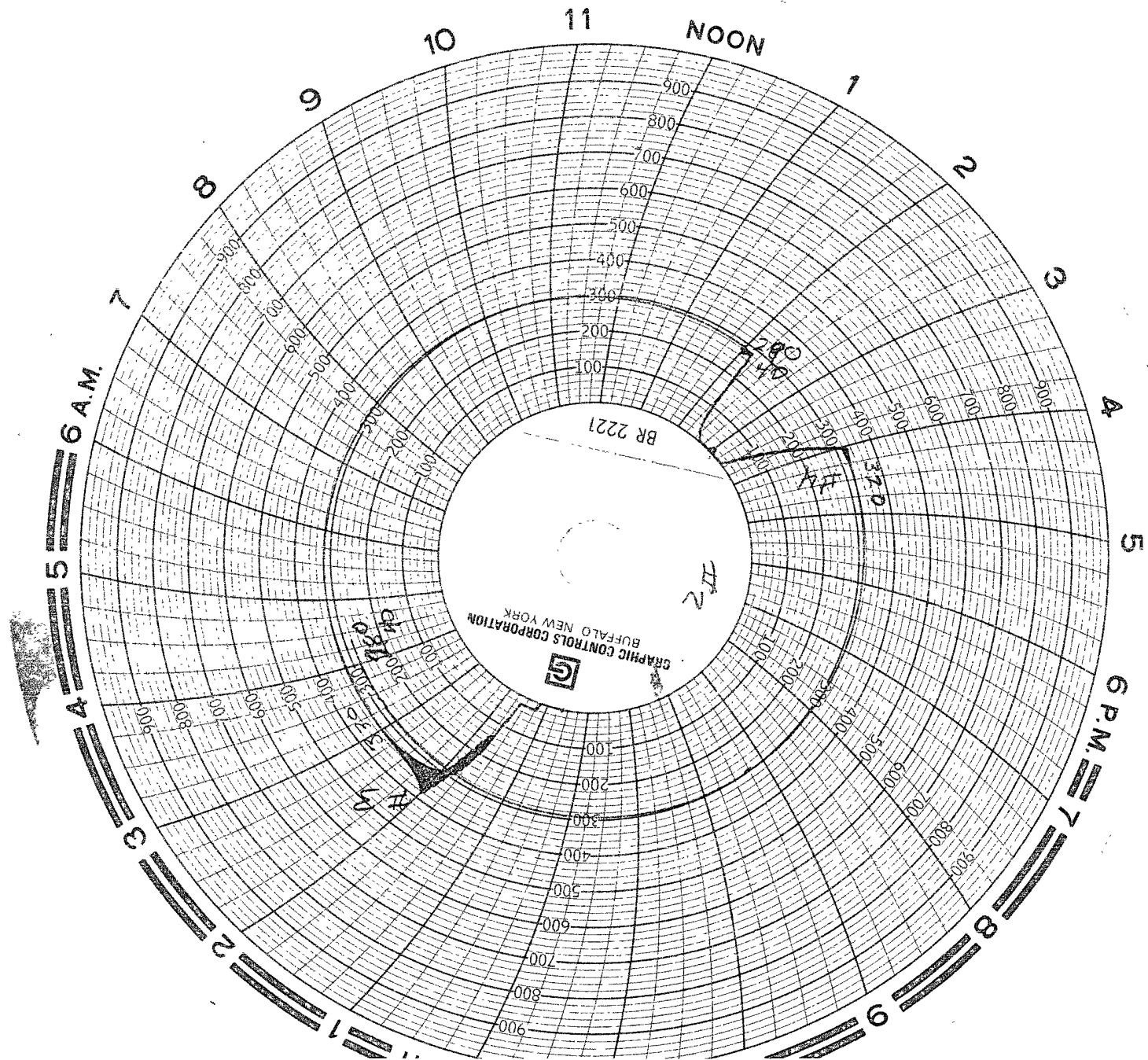
Buddy
Hill

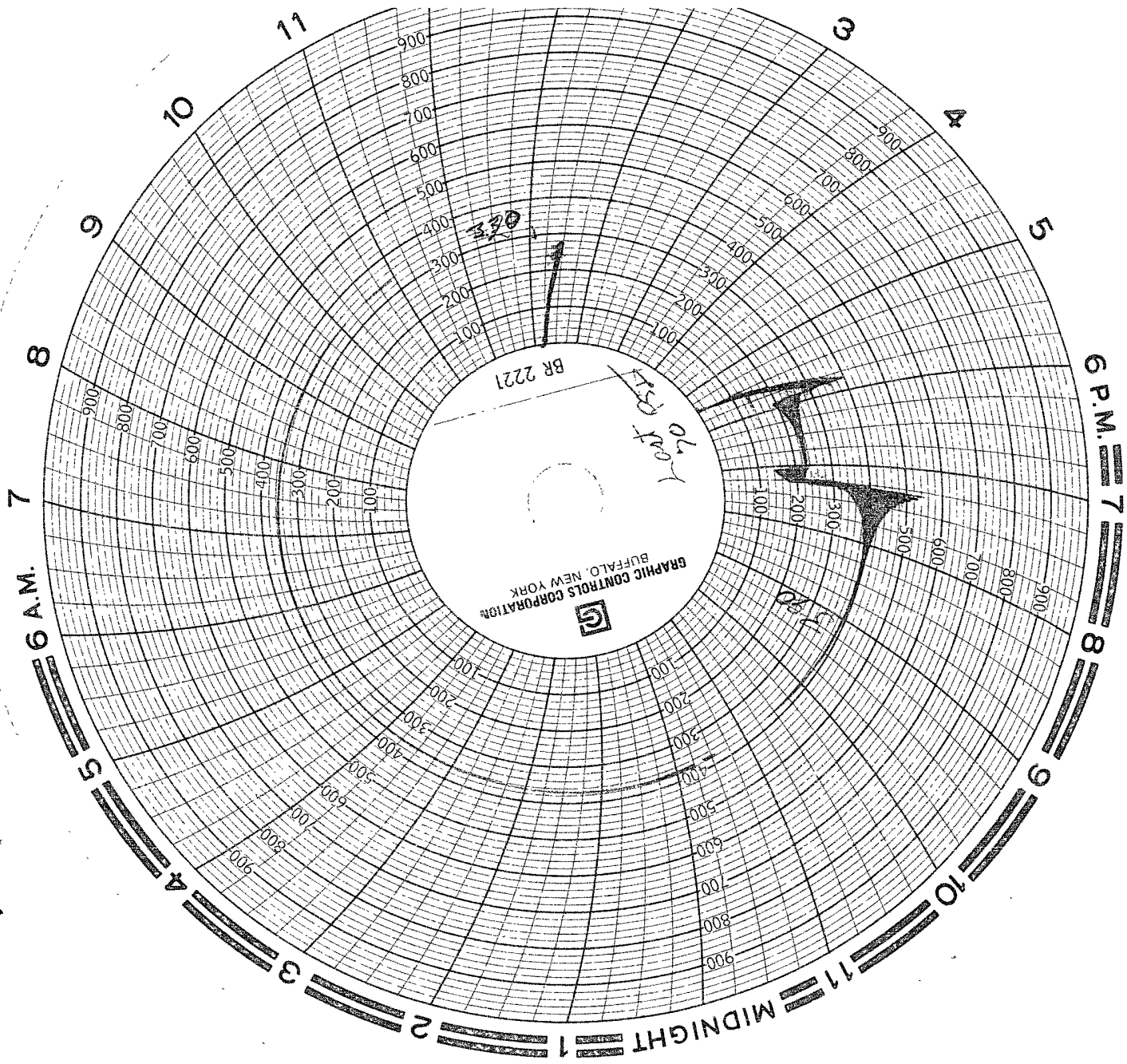
393 616
89 102

Maxie
Benn

9152







CLIO 3
DID NOT PASS SCHEDULED MIT
Rm new Hg. Set PEX 2
Did not pass MIT
CHART ATTACHED
→ PLANS TO REPAIR, LOCATE
then LEAK +
ATBPT REPAIR
Subsequent report
MIT

RECEIVED
Environmental & Safety Services
JUN 16 2010



Samson Plaza
Two West Second Street
Tulsa, Oklahoma 74103-3103
USA
918/591-1791

SENT VIA FEDERAL EXPRESS

June 25, 2010

State of New Mexico
Energy, Minerals and Natural Resources Department
Attention: Mr. William V. Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

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JUN 28 2010

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Reference: Samson Resources Company
Form C-103
State C A/C 1 #4 SWD - Lea County, NM

Dear Mr. Jones:

Please find enclosed the Form C-103, original charts for the Mechanical Integrity Test conducted 5/14/2010 and an updated wellbore diagram for the State C A/C 1 #4 SWD well in Lea County, New Mexico.

Please do not hesitate to contact me at (918) 591-1388, if additional information is required.

Thank you.

Sincerely,

SAMSON

Debbie Bedingfield
Environmental & Safety Technician

DB:

Enclosures

Cc: State of New Mexico
Energy, Minerals and Natural Resources Department
District 1
1625 N. French Drive
Hobbs, New Mexico

Engineering- File