

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 ☐		WELL API NO. 30-045-23647
2. Name of Operator HILCORP ENERGY COMPANY		5. Indicate Type of Lease STATE ☐ FEE ☒
3. Address of Operator 382 Road 3100, Aztec, NM 87410		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>H</u> <u>1780</u> feet from the <u>North</u> line and <u>930</u> feet from the <u>East</u> line Section <u>14</u> Township <u>31N</u> Range <u>12W</u> NMPM County <u>San Juan</u>		7. Lease Name or Unit Agreement Name Harper
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6229' GL		8. Well Number 2E
		9. OGRID Number 372171
		10. Pool name or Wildcat Basin Dakota / Blanco Mesaverde

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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☒ RECOMPLETE SUBSEQUENT

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.

3/27/19: MIRU. RU FLOWBACK. (SICP 280, SITP 275, BH 0). ND FLOW TREE. NU BOP. PT 1500 PSI (HELD). REMOVE HANGER. SDFN. SL.

3/28/19: (SICP 280, SITP 270, BH 0). BD WELL. RU TUBOSCOPE. POH & SCAN TBG.45.5 STNDS LEFT IN HOLE. SDFN. SL.

3/29/19: (SICP 280, SITP 0, BH 0) PU 4.5 CIBP, RIH SET CIBP @ 5900/ PMP 30 BBL, SET PKR. LOAD TBG W/18 BBL. PT, CIBP DWN TBG. 650 MONITOR 10 MIN, PSI INCREASED 60 PSI. (HELD) RELEASE PKR CIR HOLE, 160 BBL. 225 BBL TOTAL. PT 650, MONITOR 10 MINS (HELD). LD PKR & SETTING TOOL. RD STRIPPING HEAD. RU E-LINE EQUIP. RIH TO RUN LOG. SIFN.

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

Amanda Walker

TITLE Operations / Regulatory Technician Sr. DATE 5/20/19

Type or print name Amanda Walker

E-mail address: mwalker@hilcorp.com PHONE: 505-324-5122

For State Use Only

APPROVED BY:

Bob Bell

TITLE

SUPERVISOR DISTRICT #3

DATE

5/30/19

Conditions of Approval (if any):

W

4/1/19: (SICP 0, SITP 0, BH 0). CONFIRM MIT W/NMOCD. PREP FOR MIT. JOHN DURHAM FROM NMOCD ON LOCATION FOR MIT. PU 7" PKR RIH TO 4313', PT 600 DWN TBG. HELD 15 MINS. PSI UP TO 1500, LEAK, 200 PSI IN 15 MINS. SIFN. SL.

TROUBLE CALL: PHONE CALL WITH BRANDON @ OCD TO DISCUSS FAILED MIT. Per our phone conversation, we isolated the leaks on the Harper 2E that resulted in the failed MIT yesterday. The first leak is around the DV tool (2945'-3010') and the second leak is around the liner top (4834-4836'). The second leak is in zone and won't need to be remediated, as we already plan to perforate above and below the liner top. The first leak will need to be remediated as it is significantly above our zone of interest. We are thinking that a balanced plug with lightweight cement should do the trick. I am worried about using the more expensive microfine off the bat due to the possibility that the DV tool was initially oversdisplaced (there is no evidence of cmt below the DV tool down to 3125') and, regardless of what we place, the increased hydrostatic could break it down and allow the cement to go south, where it would do us no good. Hence, go with the cheaper option first. Here is our current path forward: Set a RBP below 3010' 2) Lay bal plug f/ 3010' to ~2885' 3) Drill out and pressure test 4) RUN MIT 5) Pull RBP 6) RIH w/ 4-1/2" pkr 7) Set below zone at 5350' 8) RUN MIT down tbg 9) Pull pkr

4/2/19: (SICP 0, SITP 0, BH 0). POH W/ 7" PKR 43 STNDS. PU 4.5 PKR, RIH SET PKR @5027', 1500, (HELD). PU 7" RBP, SET RBP @ 3700'. PU 7" PKR, SET @ 3010'. PU MULE SHOE, RIH. EOT @ 3010'. RU CMT EQUIP. EST CIRC, SI PT PMP & LINE 1500, MIX 25 SK TYPE 3 CMT 1.18 YIELD. WT 14.8, 25 SK. PMP & DISPLACE 11 BBL, PULL 3 JTS @ 2814'. REVERSE OUT 1/4 BBL RETURN. EOT @ 2293'. START HESITATE SQZ. PSI 715 1ST 28 PSI DROP 2ND 26 PSI DROP 3RD 22 PSI DROP, 4TH 2 PSI UP 750. RD CMT EQUIP, SL. SIFN.

4/3/19: (SICP 650, SITP 650, BH 5) PU BITS, RIH W/TBG TAG CMT 2898'. DO CMT CIRC CLEAN. RD SWVL. LD TBG. PRE MIT TEST 600 PSI (HELD) 30 MIN TEST. SIW. SL. SIFN.

4/4/19: (SICP 0, BH 2) RU TEST UNIT. JOHN DURHAM FROM NMOCD ONSITE TO WITNESS MIT. MIT CSG 600 PSI, 30 MIN TEST (HELD). RIH W/TBG. CIRC HOLE CLEAN LATCH & RELEASE RBP, POH. PU 4.2 PKR RIH @ SET 5355. RU TEST UNIT MIT BELOW PERF 5355' - 5900', POH W/PKR. SIFN.

4/5/19: (SICP 0, BH 0). PU 7" SCRAPER RIH W/TBG. PU 4.5 PKR & CIBP, SET @ 5406'. PT 620 PSI MONITOR 10 MINS (HELD). POH LD TBG. SIFN.

4/6/19: (SICP 0, BH 2). RU E-LINE PU PER GUN. PERFORATE POINT LOOKOUT IN 2 RUNS (45 SELECT FIRE SHOTS, 1 SPF, 0.34 HOLES) AS FOLLOWS: 5306', 5305', 5304', 5303', 5302', 5301', 5300', 5290', 5289', 5288', 5287', 5286', 5269', 5268', 5267', 5266', 5265', 5189', 5188', 5187', 5186', 5112', 5111', 5110', 5106', 5105', 5104', 5103', 5102', 5077', 5076', 5075', 5074', 5073', 5066', 5065', 5064', 5063', 5062', 5057', 5056', 5055', 5052', 5051', 5050'. PERFORATE THE MENEFEE IN 2 RUNS (45 SELECT FIRE SHOTS, 1 SPF, 0.34 HOLES) AS FOLLOWS: 5032', 5031', 5030', 5029', 5028', 4986', 4985', 4984', 4983', 4982', 4932', 4931', 4930', 4929', 4928', 4927', 4926', 4924', 4923', 4922', 4867', 4866', 4865', 4858', 4857', 4856', 4855', 4850', 4849', 4848', 4760', 4759', 4758', 4757', 4743', 4742', 4741', 4738', 4737', 4736', 4734', 4733', 4732', 4731', 4730'. PU 7" AS-IX PKR, MAGNUM DISK, 10 WLR 2 7/8" P-110, RTS-8 TBG. RIH W/152 JTS, EOT @ 4650.79 W/17K ON TOOL. ND BOP. NU FRAC STACK. PSI TEST ANULUS 600 PSI, MONITOR 10 MINS (HELD) LOAD TBG BLEED AIR OUT, PSI TEST 9000 PSI, MONITOR 30 MINS 300 PSI DROP. RU SLICKLINE RIH W/SPEAR, TAG @ 4647'. RUPTURE DISK WELL ON VACUUM WORK TOOLS THROUGH DISK AREA 3X POH RD SLICKLINE. SIFN.

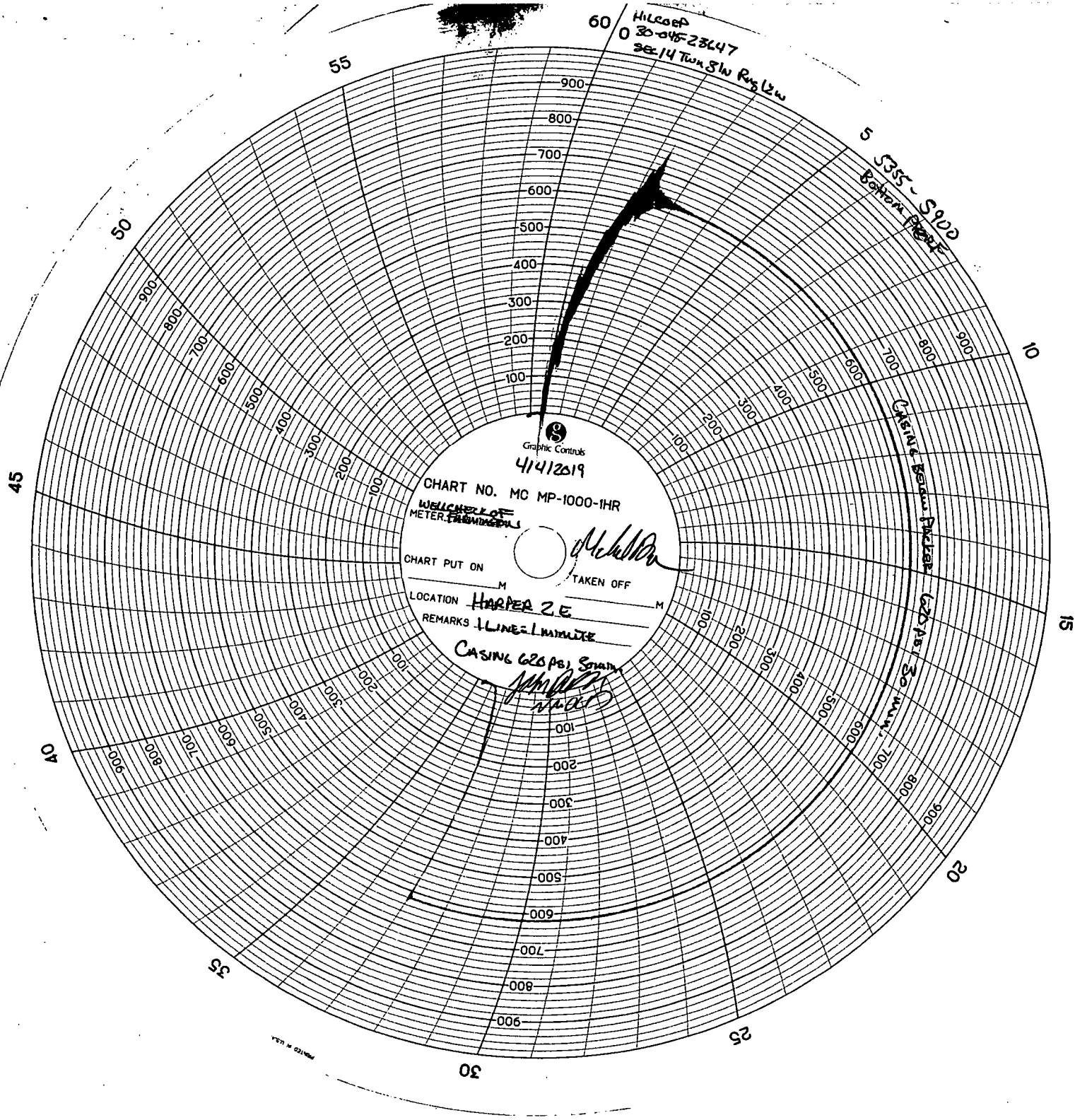
4/26/19: RU FRAC CREW. FOAM FRAC'D MESAVERDE W/ 304,320 LBS 40/70 AND 72,514 GAL SLICKWATER AND 2.48 MILLION SCF N2. 70 QUALITY. AVG RATE = 55 BPM, AVG PSI = 4020. ISIP WAS 150 PSI (WENT TO ZERO IN 1 MINUTE). DROPPED 18 BIO-BALLS WITH 1/2 OF SAND PUMPED. RD FRAC CREW.

5/2/19: MIRU. ND FRAC STACK, NU BOP. PT 250 LOW 1500 HIGH MONITOR (HELD). UNSEAT PKR & POH W/FAC STRING. SIFN.

5/3/19: (SICP 300, BH 0). BD WELL TO 150, SI & CATCH GAS SAMPLE. BD WELL. PU 3 7/8 MILL BHA, RIH W/TBG. TAG FILL @ 5269'. PU SWVL. RU AIRFOAM UNIT. BREAK CIRC W/1300 SCF/M W/1 GAL SI FOAMER & CI INHIBITOR. CO 137 FT OF SAND. TAG 1ST PLUG @ 5406'. DO CIRC CLEAN. PU SINGLE TO TAG 2ND PLUG. MILL PLUG, CIRC CLEAN. SIFN.

5/4/19: (SICP 300, BH 0). RIH W/AIRFOAM UNIT. BREAK CIRC W/1300 SCF/M W/1 GAL/10 BBL, SI FOAMER & CIRC. USED 1.5 GAL FOAMER, 8 GAL CORROSION INHIBITOR 24 BBL H2O. LD MILL BHA. PU AND TIH W/225 JTS 2 3/8 4.7# J-55 TBG. EOT @ 7404'. PBTD @ 7547'. ND BOP. NU FLOW TREE. RU AIR/FOAM UNIT. CIRC WELL. DROP BALL PMP 5 BBL SD WAIT 10 MINS. PSI UP 500 HELD PSI UP TO 525. CHECK GIVE AWAY. CIRC WELL. BD WELL.

RDRR @ 1830 hrs ON 5/4/19



Hilcoep
30-045-23647
22.14 Twn 8W Rg 12W

535-S902
Bottom Pipe

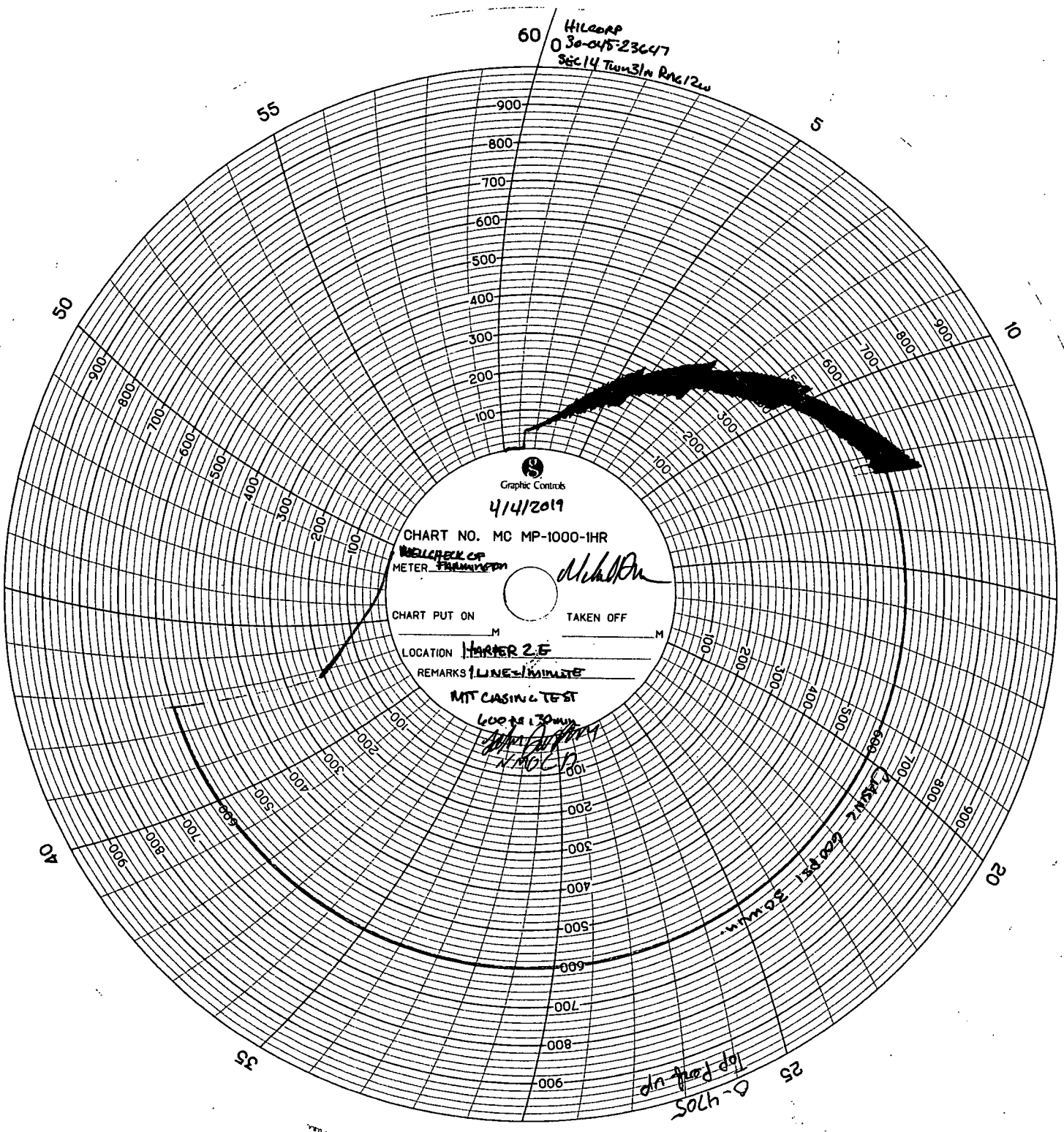
Casing 620 PSI 30 min

CHART NO. MC MP-1000-1HR
WELCH OFF
METER. 1.1 MINUTE
CHART PUT ON
LOCATION HARPER 2 E
REMARKS 1 LINE 1 MINUTE

CASING 620 PSI 30 min
[Signature]

PRINTED IN U.S.A.

41100RP
030-045-23647
Sec 14 Twn 31n Rng 12w



0-4705
top part up