

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

WELL API NO. 30-045-10676
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name Harper
8. Well Number 2
9. OGRID Number 372171
10. Pool name or Wildcat Basin Dakota / Blanco Mesaverde

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

2. Name of Operator
HILCORP ENERGY COMPANY

3. Address of Operator
382 Road 3100, Aztec, NM 87410

4. Well Location

Unit Letter P 790 feet from the South line and 790 feet from the East line

Section 14 Township 31N Range 12W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6168' 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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☒ RECOMPLETE

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.

REVISED TO CORRECT CASING ISSUES ON 9/12/2018 AND SHOW PT ON PKR AND CSG ON 9/14/2018.

Please see attached.

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 DATE 11/13/2018

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 505-324-5122

For State Use Only

APPROVED BY: Brenda Berrell TITLE Deputy Oil & Gas Inspector, District #3 DATE 11/14/18

Conditions of Approval (if any):

FW

NMOC

NOV 14 2018

DISTRICT III

9/24/2018: MIRU SLICKLINE. PT PIPE RAMS – TEST GOOD. REMOVE TBG HANGER. TBG STRING MAY BE PARTED. ORDER FISHING SERVICE. MEASURE & MAKE UP FISHING TOOLS. TAG FISH @ +/- 1947'. LATCH ONTO FISH. PULL, FISH PARTED DOWN IN WELL. TRIP OUT TO TOP OF FISH. SW. SDFN.

9/5/2018: TO & LD 24 JTS OF TBG FISH. TBG HAD PARTED JUST BELOW UPSET. RUN BACK INTO WELL. TAG FISH @ +/-2690'. LATCH ONTO FISH, NOT MOVING. MIRU CUTTERS WL. RUN INTO TBG FISH W/FREE POINT TOOLS. TAGGED @ 4272' WLM. ATTEMPT TO WORK FISH FREE. PMPD 15 BBLs OF TREATED WATER DOWN TBG FISH, LET SOAK. BEGAIN WRK FISH. TRIED SEVERAL TIMES, TBG PARTED DOWN IN WELL. RELEASED CUTTERS WL. TOOW. LD TBG FISH ONTO FLOAT. RECOVERED 103 TBG JOINTS. +/-43 JTS LEFT IN WELL. SL. SDFN.

9/6/2018: MEASURE & MU FISHING TOOLS FOR JARRING OPERATIONS. TAG FISH @ +/-5979'. ROTATE STRING & ATTEMPT TO LATCH ONTO FISH. TOW. OVERSHOT HAD SLIGHT SCARRING SPIRAL, GRAPPLE MISSING. WILL MAKE UP SKIRTED MILL ASSEMBLY & DRESS UP FISH TOP. TIW W/TOOLS & TBG FROM DERRICK. TAGGED TOF @ +/-5979'. RU PWR SWVL ASSEMBLY. START AIR UNIT, CIRC DOWN & START MILLING FISH. MILLED TO 5984'. SD AIR. PULL TBG/MILL TO 5910'. SL. SDFN.

9/7/2018: RU PWR SWVL. START AIR UNIT. CONT MILLING ON FISH. MILLED TO 5986'. TOW. MILL WEAR PATTERN LOOKED LIKE TBG WAS BEING MILLED. TIH W/TOOLS. TAGGED FISH @ +/-5986'. ROTATE STRING & LATCH ONTO FISH. PULL FISH, APPEARS TO BE FREE. TOOH. RECOVERED REMAINING FISH (43 JTS). LD FISHING TOOLS. RELEASED FISHING SERVICES. SL. SDWE.

9/10/2018: MAKE UP MILL/CSG SCRAPER. TIH W/MILL/SCRAPER ASSEMBLY. TIH W/CIBP/PACKER ASSEMBLY. SET BRIDGE PLUG @ 6500'. PULL PACKER TO 6495'. LOAD & CIRCULATE CSG ABOVE BRIDGE PLUG W/100 BBLs OF WATER. SET PACKER & PT CIBP TO 650' PSI. TEST GOOD. UNSET PACKER & TEST 4 ½" CSG TO 660 PSI. TEST GOOD. TOOH W/SETTING TOOL. PACKER & TBG. MIRU BASIN WL. RUN GR/CCL/CBL LOG FROM 6500' (CIBP @ 6500') TO 3000 W/+/- 600 PSI. RDR BASIN WL. SL. SDFN.

9/11/2018: ND BOP. ND TBG HEAD ASSEMBLY. FT BOP – TEST GOOD. INSTALL TBG HANGER. PT PIPE RAMS – TEST GOOD. MAKE UP BRIDGE PLUG ASSEMBLY. TIH W/CIBP. SET CIBP 5270'. TOOH W/SETTING TOOL & TBG. SL. SDFN.

9/12/2018: MEASURE & MAKE UP MILLING ASSEMBLY. RU PWR SWVL. MILL BAD AREA IN CSG. TOOH W/MILLING TOOL, DISCOVERED THAT MILL & BIT SUB ASSEMBLY HAD BROKEN OFF TBG AT THREADS. CALL FOR FISHING TOOLS. MAKE UP FISHING TOOLS. LATCH ONTO FISH, TOOH, CAME OUT WITH STRING MILL & BIT SUB. TIH W/IMPRESSION BLOCK. TOOH W/TOOLS AND EXAMINE BOTTOM OF IMPRESSION BLOCK. POSSIBLE COLLAPSED OR DAMAGED CSG. MEASURE & MAKE UP MILLING ASSEMBLY. PU & TIH W/TBG. WENT DOWN TO AREA AT +/-2125' TO CONT TO CU CSG. **MILLED CSG UNTIL NO ADDITIONAL DRAG WAS PRESENT, REMOVING TIGHT SPOT THAT WAS MISTAKEN AS CSG DAMAGE.** RU PWR SWVL ASSEMBLY. START MILLING ON 4 ½" CSG. MILL UNTIL ANY DRAG WAS ELIMINATED. HANG BACK PWR SWVL. PULL TBG/MILL TO 2070'. SL. SDFN.

9/13/2018: MIRU BASIN WL AND PERF TOOLS. **PERFORATE MV ZONE: PT LOOKOUT: 5,220', 5,219', 5,218', 5,217', 5,216', 5,215', 5,214', 5,213', 5,212', 5,204', 5,203', 5,202', 5,201, 5,200', 5,104', 5,103', 5,102', 5,101', 5,100', 5,069', 5,068', 5,067', 5,066', 5,047', 5,046', 5,045', 5,044', 5,043', 5,042, 5,020', 5,019', 5,018', 5,017', 5,016', 5,015', 5,014', 5,013', 5,012', 5,011', 5,010', 4,989', 4,988', 4,987', 4,986', 4,985', 4,974', 4,973', 4,972', 4,971', 4,970', & MENEFE: 4,900', 4,899', 4,898', 4,897', 4,896', 4,843', 4,842', 4,841', 4,840', 4,839', 4,838', 4,837', 4,836', 4,835', 4,834', 4,833', 4,725', 4,724', 4,723', 4,722', 4,688', 4,687', 4,686', 4,670', 4,669', 4,668', 4,637', 4,636', 4,635', 4,634' WITH 1 SPF. SHOT TOTAL OF 80 0.34 DIAMETER HOLES.** RDRR BASIN WL. MI FRAC STRING. CHANGE HANDLING TOOLS TO 2 7/8". FUNCTION TEST PIPE RAMS, TESTS WERE GOOD. MEASURE & MAKE UP FRAC PACKER ASSEMBLY. TALLY, RABBIT & PU 2 7/8" 6.5# RTS-8 TBG FROM FLOAT. TRIPPED TO 4488'. SL. SDFN.

9/14/2018: INSTALL TBG HANGER ASSEMBLY. SPACE OUT PACKER & SET. 143 JTS 2 7/8" 6.5# RTS-8 TBG LANDED @ 4486.65'ND BOP ASSEMBLY. **LOAD TBG & CSG ANNULUS W/30 BBLs OF TREATED WATER. TEST TO 200 PSI. TEST GOOD.** NU FRAC STACK ASSEMBLY. LOAD & PT FRACK STACK AND 2 7/8" FRAC STRING TO 9000 PSI. TEST GOOD. MIRU SLICKLINE UNIT. BREAK OUT RUPTURE DISK, WELL WENT ON VACUUM. RDMO @ 1400HRS ON 9/14/2018.

3004510676

Recomplete Subsequent

10/19/2018: MIRU FRAC CREW. FOAM FRAC'D MESAVERDE WITH 299,920 LBS 20/40 AND 72,330 GAL SLICKWATER AND 2.50 MILLION SCF N2. 70 QUALITY. AVG RATE = 55 BPM, AVG PSI = 4036. ISIP WAS 2753 PSI (FOAM FLUSH). DROPPED 20 BIO-BALLS WITH 1/2 OF SAND PUMPED. RDMO FRAC CREW. SDFWE.

10/21/2018: MIRU. NU BOP. RU WRK FLR AND TBG HANDLING EQUIP. PT BOP – TEST OKAY. RD TESTER. UNLAND HANGER, RELEASE PKR – STROP HANGER OUT OF BOP. TOH F/4487' AND LS 2 7/8" RST-8 TBG. SWI. SL. SDFN.

10/22/2018: C/OVER TO 2 3/8" HNDLING EQUIP AND PIPE RAMS. MU 3 7/8" MILL. TIH W/3 7/8" MILL. UNLOAD CSG @ 4250'. CONT TIH. TG FILL @ 4975'. SWVL UP AND BREAK CIRC. CO SAND T/CIBP @ 5272'. PMP SWEEP AND CIRC OUT. TOH T/4575'. SWI. SL. SDFN.

10/23/2018: TIH W/MILL F/4575'. TAG FILL @ 6485'. SWVL UP. CO T/CIBP @ 6500'. MO CIBP T/6503'. CONT TIH AND CO 5' FILL T/PBTD @ 7332'. PMP SWEEP AND CIRC. TOH T/4190'. SWI. SL. SDFN.

10/24/2018: FINISH TOH W/3 7/8" MILL F/4190'. MU 2 3/8" BHA AND TIH 230 JTS 2 3/8" 4.7# J-55 TBG. LND TBG @ 7299'. SN @ 7297'. RD WRK FLR & TBG HANDLING EQUIP. ND BOP. NU WH AND FLO-TREE. PT TBG T/500 PSI W/AIR. PMP OFF CHECK W/1150 PSI AND CIRC INHIBITOR T/SURFACE. RDRR @ 1600 HRS ON 10/24/2018.

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7. Lease Name or Unit Agreement Name Harper
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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 ☐
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Please see attached.

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 DATE 11/1/2018

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 505-324-5122
For State Use Only

APPROVED BY: Denise TITLE _____ DATE _____
Conditions of Approval (if any):

NMOCD

NOV 05 2018

DISTRICT III

Harper 2
3004510676
Recomplete Subsequent

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Harper 2
3004510676
Recomplete Subsequent

4,842', 4,841', 4,840', 4,839', 4,838', 4,837', 4,836', 4,835', 4,834', 4,833', 4,725', 4,724', 4,723', 4,722', 4,688', 4,687', 4,686', 4,670', 4,669', 4,668', 4,637', 4,636', 4,635', 4,634' WITH 1 SPF. SHOT TOTAL OF 80 0.34 DIAMETER HOLES. RDRR BASIN WL. MI FRAC STRING. CHANGE HANDLING TOOLS TO 2 7/8". FUNCTION TEST PIPE RAMS, TESTS WERE GOOD. MEASURE & MAKE UP FRAC PACKER ASSEMBLY. TALLY, RABBIT & PU 2 7/8" 6.5# RTS-8 TBG FROM FLOAT. TRIPPED TO 4488'. SL. SDFN.

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