

Submit 1 Copy To Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources

Form C-103 Revised July 18, 2013

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

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

WELL API NO. 30-045-23959
5. Indicate Type of Lease STATE [ ] FEE [x]
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name PATTERSON B COM
8. Well Number 1E
9. OGRID Number 372171
10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6219'

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 [x] Other
2. Name of Operator HILCORP ENERGY COMPANY
3. Address of Operator 382 Road 3100, Aztec, NM 87410
4. Well Location Unit Letter M 805 feet from the South line and 895 feet from the West line
Section 2 Township 31N Range 12W NMPM San Juan County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6219'

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: [ ] RECOMPLETION
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
OTHER: [x] RECOMPLETION

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.

1/2/2019 - MIRU SLU. CHK FOR PLUNGER EQUIP. TG FILL @ 7440'. RDMO SLU. MIRU BWD 103. ND WH. NU BOP. MIRU WELLCHECK. PT WH. TEST OK. BACK OFF LOCK PINS TO PULL TBG HANGER. SWI. SDFN.

1/3/2019 - PU & TIH 3 JTS 2-3/8" TBG. TG @ 7,449'. TOH & MIRU TUBOSCOPE. TOH 239 JTS 2-3/8" TBG, 2-3/8" X 10' TBG SUB, 2-3/8" x 2' TBG SUB, 1 JT 2-3/8" TBG, SN & EXPENDABLE CHK W/MULE SHOE. FOUND UPPER TBG STRING W/DRIED ON CHEMICALS FR/CHEM TREATMENTS. RDMO TUBOSCOPE. PU & TIH SELECT 3-7/8" BIT, CSG SCRAPER, TBG & BHA. SWI. SDFN.

CONTINUED ON NEXT PAGE...

NMOCB
MAR 13 2019
DISTRICT III

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 Priscilla Shorty TITLE Operations Regulatory Technician Sr. DATE 03/11/2019
Type or print name Priscilla Shorty E-mail address: pshorty@hilcorp.com PHONE: 505-324-5188

For State Use Only

APPROVED BY: [Signature] TITLE I & E Supervisor DATE 3/20/19
Conditions of Approval (if any):

**1/4/2019** – PU & TIH SELECT 4-1/2" CIBP, SETTING TL & 233 JTS 2-3/8" TBG. SET CIBP @ 7,157'. TOH & LD 1 JT 2-3/8" TBG. LD CSG W/200 BBLS FR/WTR TRKS. TOH 193 JTS 2-3/8" TBG. REPAIRED RIG PMP. CIRC CSG W/29 BBLS. PT CSG TO 730 PSIG FOR 15". TST OK. CONT TOH 40 JTS 2-3/8" TBG & SETTING TL. MIRU BASIN WL. RUN CBL FR/7,157' - SURF. **SENT CLB TO BRANDON POWELL, NMOCD. BASED ON THE CBL, IT WAS AGREED THAT THE NEW PERF'D ZONE WOULD BE 4900'-5400' (VS THE NOI DEPTH OF 4429'-5400'). TRACER WILL BE PUMPED TO DOCUMENT THE FLUID PATH AND VERIFY ISOLATION. AS A RESULT OF PUMPING TRACER, HEC WILL NOT NEED TO PERFORM ANY SQUEEZE WORK.** RDMO WL. SWI. SDFN.

**1/7/2019** - TIH NC & 232 JTS 2-3/8" TBG. TOH & LD 232 JTS 2-3/8" TBG. PMP 3 BBLS BAKER PKR FLD DWN BH. MIRU WELLCHECK. ND BOP. ND 2K WH. STUB UP & NU 5K WH W/NIGHT CAP. PT CSG & WH TO 3,950 PSIG. PRESS FR/3,950 - 3,600 IN 17 MIN. RDMO WELLCHECK. SWI. SDFN.

**1/8/2019** - MIRU WELLCHECK. PT CSG TO 605 PSIG. PRESS FR/605 - 570 IN 40 MIN. RDMO WELLCHECK. PU & TIH 7" BIT, BIT SUB, CSG SCRAPER & 161 JTS 2-3/8" TBG. TG TOP OF LNR. TOH 161 JTS 2-3/8" TBG & BHA. TIH 7" PKR & 160 JTS 2-3/8" TBG. SET PKR @ 4,929'. TOP OF LNR @ 4,950'. PT 4-1/2" LNR & LNR TOP. PRESS FR/484 - 464 IN 12 MIN. PT TCA (4,929 - SURF) TO 544 PSIG. PRESS FR/544 - 539 IN 12". RLS PKR. TOH 96 JTS 2-3/8" TBG. SWI. SDFN.

**1/9/2019** - CONT TOH 64 JTS 2-3/8" TBG & 7" PKR. TIH 4-1/2" PKR & 161 JTS 2-3/8" TBG. SET PKR @ 4,969'. PT DWN TBG (4-1/2" LNR) TO 652 PSIG. PRESS FR/652 - 647 IN 15 MIN. PT DWN TCA (7" CSG & LNR TOP) TO 617 PSIG. PRESS FR/617 - 598 IN 15". **RECEIVED VERBAL APPROVAL FROM BRANDON POWELL, NMOCD, TO CONSIDER LEAK @ LNR TOP (WITHIN THE MESAVERDE) & CONT W/CSG FRAC.** TOH & LD 161 JTS 2-3/8" TBG & PKR. ND BOP. NU NIGHT CAP. SWI. **RD RR BWD 103 @ 16:00 HRS ON 1/9/2019.**

**2/21/2019** – MIRU FRAC CREW. SET CIBP @ 5350'. **PERFORATE PT LOOKOUT IN 1 RUN (45 SELECT FIRE SHOTS) AS FOLLOWS: 5306', 5305', 5304', 5303', 5302', 5301', 5300', 5299', 5298', 5297', 5296', 5288', 5287', 5286', 5278', 5277', 5276', 5270', 5269', 5268', 5245', 5244', 5243', 5232', 5231', 5230', 5208', 5207', 5206', 5289', 5188', 5187', 5186', 5185', 5184', 5162', 5161', 5160', 5159', 5158', 5157', 5140', 5139', 5138', 5137'.** BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D PT LOOKOUT WITH 115,540 LBS 40/70 AND 37,344 GAL SLICKWATER AND 0.89 MILLION SCF N2. 70 QUALITY.** RA TRACED BY PRO-TECHNICS. SWI. SDFN.

**2/22/2019** - RIH AND SET FRAC PLUG AT 5124'. TEST PLUG TO 1000 PSI. **PERFORATE PT LOOKOUT IN 1 RUN (45 SELECT FIRE SHOTS) AS FOLLOWS: 5112', 5111', 5110', 5109', 5108', 5107', 5097', 5096', 5095', 5084', 5083', 5082', 5074', 5073', 5072', 5060', 5059', 5058', 5042', 5041', 5040', 5034', 5033', 5032', 5031', 5030', 5026', 5025', 5024', 5023', 5022', 5014', 5013', 5012', 5011', 5010', 5009', 4890', 4889', 4888', 4858', 4857', 4856', 4855', 4854'.** BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D PT LOOKOUT WITH 113,110 LBS 40/70 AND 35,141 GAL SLICKWATER AND 0.85 MILLION SCF N2. 70 QUALITY.** RA TRACED BY PRO-TECHNICS. RIH AND SET 7" RBP AT 4810'. BLEED OFF, PLUG HOLDING. RELEASE CREWS.

**2/26/2019** – **MIRU AWS 753.** ND FRAC STACK AND FRAC HEAD. NUTBG HEAD AND TEST. TEST GOOD. NU BOP. RU WELL CHECK AND TEST BOP PIPE AND BLIND RAMS. RD BOP TEST EQUIP. MU 7" WRBP RETRIEVAL HEAD. TALLY AND PU 2-3/8" TBG. TIH TO A DEPTH OF 1030'. SWI. SDFN.

**2/27/2019** - TIH W/ WRBP RETRIEVING TOOL FROM 1030' TO 4810'. ENGAGED BP AND RELEASED. TOOH WITH WRBP AT 4810'. MU 3-7/8" JUNK MILL. TIH TO FRAC PLUG AT 5124'. RU POWER SWIVEL. MILL UP FRAC PLUG AT 5124'. CIRC HOLE CLEAN. TIH TO CIBP AT 5350'. MILL OUT CIBP AT 5350'. PICK UP AND TIH TO 5676' TO MAKE SURE WE CAN LOG 200 FEET BELOW BOTTOM POINT LOOK OUT PERF AT 5306'. STAND BACK SWIVEL. TOOH WITH 30 STANDS TO 3816'. SWI SDFN.

**2/28/2019** - TOOH WITH 3-7/8" MILL FROM 3816'. TIH WITH TBG TO 1856'. INSTALL TIW VALVE ON TBG. RU PHOENIX WIRELINE AND PROTECHNICS TO RUN TRACER SURVEY. RUN TRACER LOG FROM 5806' TO 4000'. LOG SHOWED FRAC STAYED IN ZONE. RD PHOENIX WIRELINE AND PROTECHNICS. TOOH WITH TBG. PU 3-7/8" MILL. TIH TO LINER TOP AT 4950'. BRING ON AIR UNIT. UNLOAD HOLE AT LINER TOP AT 4950'. SHUT AIR UNIT DOWN. PU TBG AND TIH TO CIBP AT 7157'. TAG SOLID. TOOH WITH 38 STANDS OF TBG AND 3-7/8 MILL TO ABOVE LINER TOP AT 4950'. CONTINUE NATURAL FLOW. SWI. SDFN.

**3/1/2019** - TIH TO CIBP AT 7157' FROM LINER TOP AT 4950'. BRING ON AIR UNIT. MILL OUT CIBP WITH 3-7/8" JUNK MILL. CO TO PBTD OF 7450'. HAD 3' OF FILL AT PBTD. SD AIR UNIT. RD POWER SWIVEL. TOOH WITH 3-7/8" MILL FROM PBTD OF 7450'. TIH WITH 2-3/8", 4.7# J-55 PROD STRING TO PBTD OF 7450'. NO FILL TAGGED. RAN IN HOLE AS FOLLOWS: **2-3/8" X/CK, 1.780 ID SN, ONE JNT OF 2 -3/8" TBG, 2' X 2-3/8" MARKER JNT, 237 JNTS OF 2-3/8" 4.7# J-55 TBG, 6' X 2-3/8" PUP JNT, ONE JNT OF 2-3/8" TBG. TBG LANDED AT 7379'. SN AT 7377'. PBTD 7450'. SWI. SDFN.**

**3/2/2019** - ND BOP. NU WH. PT TBG TO 500 PSI. TEST GOOD. PUMP OFF X/CK. SHUT AIR UNIT DOWN. SWI. **RD RR AWS 753 @ 9:00 HRS.**

**WELL IS NOW PRODUCING AS BLANCO MESAVERDE/ BASIN DAKOTA UNDER DHC 4059 AZ AND DENSITY EXCEPTION R-20185.**