

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator Hilcorp Energy Company		8. Well Name and No. Pierce A 4
3a. Address 382 Road 3100, Aztec, NM 87410	3b. Phone No. (include area code) 505-599-3400	9. API Well No. 30-045-26597
4. Location of Well (<i>Footage, Sec., T., R., M., or Survey Description</i>) Surface Unit P (SE/SE) 790' FSL & 1160' FEL, Sec. 13, T30N, R10W		10. Field and Pool or Exploratory Area Basin Dakota / Blanco Mesaverde
		11. Country or Parish, State San Juan , New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Subsequent Sundry</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see attached

ACCEPTED FOR RECORD

NMCOO
NOV 07 2018
DISTRICT 111

NOV 05 2018
FARMINGTON FIELD OFFICE
By: 

14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>)	
Amanda Walker	Title Operations/Regulatory Technician - Sr.
Signature 	Date 10/25/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMCOO 

Pierce A 4
30-045-26597
Recomplete Subsequent Sundry

9/14/2018: MIRU. BDW. ND WH. NU BOPE. TOOHD LD 221 JTS OF 1 1/2". PU JUNK MILL AND 3 7/8" STRING MILL AND TIH PU 2 3/8" TBG TO 3500'. SIW. SL. SDWE.

9/17/2018: FINISH TIH PU TBG W/STRING MILL TO 6300'. TOOHD LD MILLS. PU CIBP AND COMPRESSION PACKER AND TIH. SET CIBP @ 6225'. SET PCKR, PT CIBP TO 2000 PSI. GOOD TEST. LOAD HOLE W/WATER, PT CASING TO 500 PSI, NO TEST. FIND CSG LEAK. TOOHD 20 STANDS TO 4880'. SET PACKER, PT DOWN TBG 500 PSI. GOOD TEST. TOOHD 20 STANDS TO 3583'. SET PACKER, PT DOWN TBG 600 PSI. GOOD TEST. TOOHD 20 STANDS TO 2286'. SET PACKER, PT DOWN TBG 500 PSI, FAILED TEST. PT SURFACE TO 2286', 560 PSI, GOOD TEST. CSG LEAK FROM 3323' TO 3355'. TOOHD W/ SETTING TOOL AND PACKER. NOTIFIED BRANDON POWEL @ NMOCD @ 1600 hrs ON 9/17/2018 ABOUT POSSIBLE SQUEEZE WORK.

9/18/2018: RU BWL. RUN CBL FROM CIBO @ 6225' TO 2200'. COULD NOT LOG UNDER PRESSURE DUE TO CSG LEAK. CEMENT TOP @ 3320'. PMP 8 BBLS PCKR FLUID DOWN INT CSG. ESTABLISH CIRCULATION DOWN 4 1/2" CSG OUT INT CSG. CIRC 9 BBLS @ 1 BPM 600 PSI. GOOD CIRC.

TROUBLE CALL: CALL TO CHARLES HARRADEN @ BLM AND BRANDON POWELL @ OCD TO SHARE RESULTS OF CBL AND TO DISCUSS CSG LEAK AND SQUEEZE JOB. PROPOSED WILL BE TO CMT SQUEEZE W/INTENT OF PMPING CMT TO SURFACE BETWEEN 7" AND 4 1/2" CSG STRINGS. APPROVAL GIVEN BY BLM WITH NO COA'S. VERBAL APPROVAL GIVEN BY OCD WITH COA'S AS FOLLOWS: CMT TO SURFACE THEN PASSING MIT WILL SUFFICE, IF UNABLE TO CMT TO SURFACE, THEN RUN ANOTHER CBL TO VERIFY TOV AND THEN A PASSING MIT TEST.

9/19/2018: TIH W/ CMT RETAINER, SET @ 3286'. RU DRAKE ENERGY. EST CIRC UP 7" CSG W/DYE WATER. STING OUT OF CMT RETAINER, BATCH MIX 10 BBLS OF CMT @ 15.8# AND PMP DWN TBG STING INTO RETAINER, CONT TO MIX AND PMPC MT. PRESSURE CONT TO DROP AND RATE WAS INCREASED TO 1.5 BPM @ 1200 PSI. PMP 475 SACKS GLASS G NEAT CMT, 97.3 BBLS 15.8# SLURRY. DISPLACE W/12BBLS OF WATER. STRING OUT OF RETAINER, LD ONE JNT TBG AND REVERSE OUT W/20 BBLS WATER RETURNED 1BBL CMT. CIRC 20 BBLS OF GOOD CMT TO SURFACE. CEMENT IN PLACE @ 1200 HRS. RD CMT. TOOHD W/WTINGER. NOTIFIED BRANDON POWELL @ OCD @ 1400 HRS OF MIT, NOTIFIED BLM ON CMT LINE @ 1430 HRS OF MIT.

9/20/2018: MU 3 3/4" BIT AND 6 3/12" DC'S & TIH ON 2 3/8" TBG. TG CMT @ 3260'. SWVL UP, BREAK CIRC – CO CMT T/3286' (CMT RETAINER) – DO RETAINER T/3289'. DO CM T/3312'. (SURF SAMPLES HARD, BUT CMT IN WB SOFT) – CIRC CLEAN AND WOC. SWI. SL. SDFN.

9/21/2018: BREAK CIRC – TG CMT @ 3312', DO CMT T/3355' (GOOD CMT) AND CO T3376'. CIRC CLEAN. PT CSG T/500 PSI W/RIG PMP. OKAY. TIH W/EXCESS TBG (CO PAST PKR SETTING DEPTH @ 4525') TOH & LD TBG T/5300'. PERFORM MIT ON 4 1/2" PROD CSG AND SQUEEZE HOLE T/560 PSI T/30 MINS (LOST 10 PSI IN 30 MINS) AND BLEED T/0 PSI AFTER POSITIVE TEST. TEST AND BLEED DOWN CHARTED AND RECORDED. (WITNESSED BY MONICA KUEHLING W/OCD) RD TESTER. TOH AND LD 2 3/8" TBG, DC'S AND BIT. RU E-LINE PERFORATE POINT LOOKOUT IN 1 RUN (35 SELECT FIRE SHOTS, 1SPF, 0.34 HOLES) AS FOLLOWS: 5356', 5355', 5354', 5340', 5539', 5338', 5315', 5314', 5313', 5312', 5311', 5291', 5290', 5289', 5288', 5282', 5281', 5280', 5279', 5278', 5254', 5253', 5252', 5251' 5250', 5242', 5241', 5240', 5239', 5238', 5222', 5221', 5220', 5219' AND 5218'. PERFORATE THE MENEFFEE IN 2 RUNS (20 SELECT FIRE SHOTS, 1SPF, 0.34 HOLES) AS FOLLOWS: 5123', 5122', 5121', 5120', 5086', 5085', 5084', 5083', 5082', 4993', 4992', 4991', 4990', 4953', 4952', 4951', 4917', 4916', 4915' AND 4914'. PERFORATE CLIFF

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Recomplete Subsequent Sundry

HOUSE IN 1 RUN (35 SELECT FIRE SHOTS, 1SPF, 0.34 HOLES) AS FOLLOWS: 4795', 4794', 4793', 4784', 4783', 4782', 4781', 4780', 4770', 4769', 4768', 4767', 4766', 4731', 4730', 4729', 4720', 4719', 4718', 4717', 4716', 4715', 4714', 4695', 4694', 4693', 4646', 4645', 4644', 4643', 4604', 4603', 4602', 4601' AND 4600'. RD E-LINE. SWI. SL. SDWE.

9/24/2018: PU COMPRESSION PACKER. TIH PU 2 7/8" RTS-8 TBG. SET PACKER @ 4525'. LAND TBG HANGER. LAND TBG AS FOLLOWS, 144 JTS 2 3/8" TBG, 6.5#, RTS-8. EOT @ 4525'. RUPTURE DISC @ 4515'. CIBP @ 6225'. ND BOPE. NU FRAC STACK. PT ANNULAS TO 500 PSI. GOOD TEST. RU WELLCHECK. LOAD AND PT FRAC STRING & FRAC STACK TO 8100 PSI. TEST GOOD. RU EXPERT DH SLICKLINE. RIH AND PUNCTURE DISK. RD. RR @ 1930 HRS ON 9/24/2018.

10/16/2018: MIRU FRAC CREW. FOAM FRAC THE MV IN ONE STAGE AS FOLLOWS: BROKE DOWN WELL WITH WATER AND 1000 GAL 15% HCL. **FOAM FRAC'D MESAVERDE WITH 308,872 LBS 40/70 AND 86,314 GAL SLICKWATER AND 2.92 MILLION SCF N2. 70 QUALITY. AVG RATE = 54 BPM, AVG PSI = 3915. ISIP WAS 2520 PSI (FOAM FLUSH). DROPPED 7 BIO-BALLS WITH 1/3 OF SAND PUMPED AND 15 BIO-BALLS WITH 2/3 OF SAND PUMPED (22 TOTAL).** RD AND RELEASE FRAC CREW.

10/20/2018: MIRU. BD TBG. ND FRAC STACK. NU BOP STACK. RU BIG RED TOOLS LUBRICATOR & SET CHECK IN TBG HEAD. PT BLIND & PIPE RAMS. TEST GOOD. SIW. SDFN.

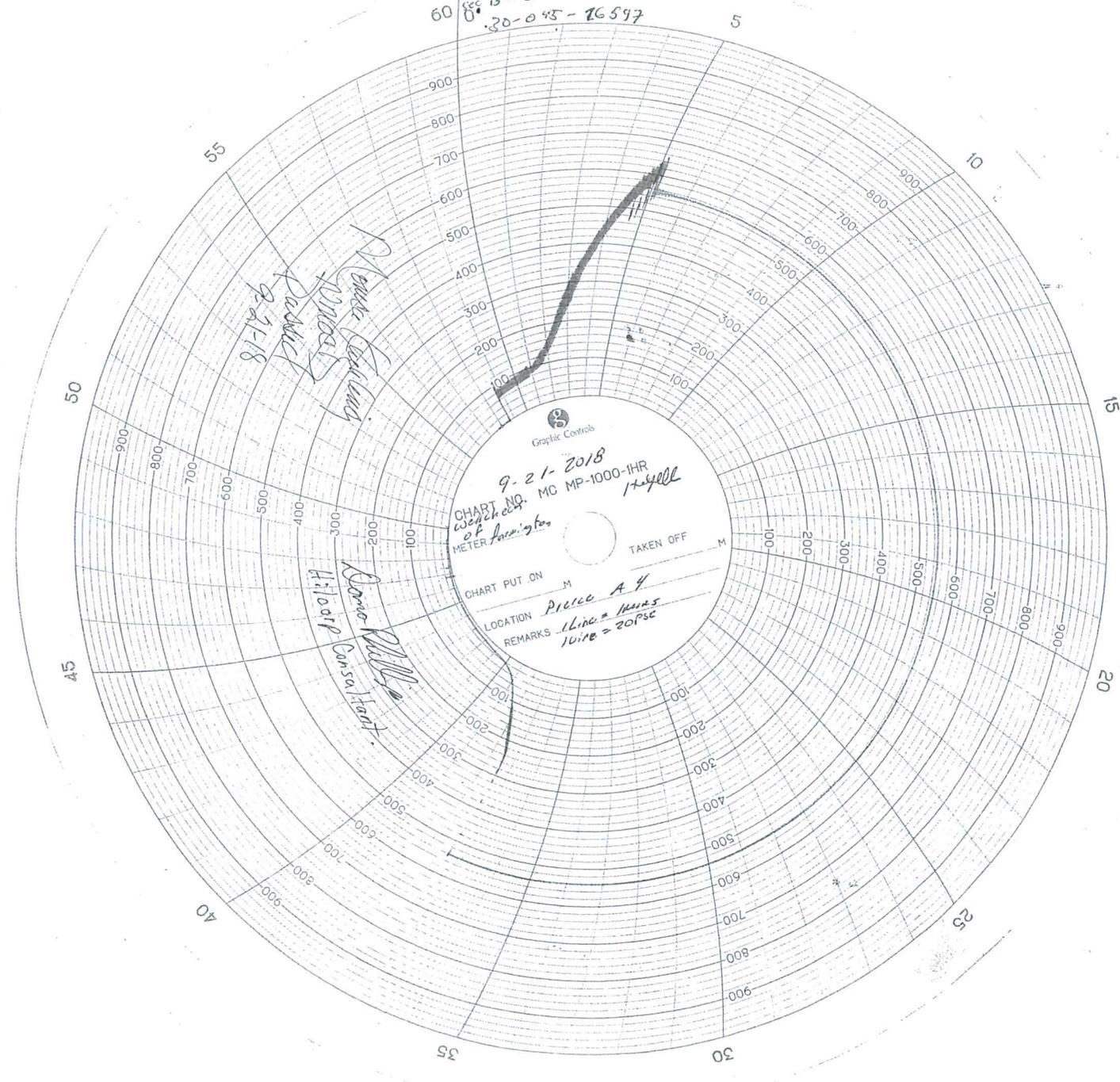
10/21/2018: RD 2.785" TOOLS & RU 2.375" TOOLS. PU JUNK MILL & BIT. RU FOAM UNIT & UNLOAD HOLE @ 2606' W/1300 CFM AIR. STRAP IN HOLE. TAG UP @ 6004.76' (220.24' ABOVE CIBP). PU & RU PWR SWVL. BREAK CIRC W/1350 CFM AIR & 13 BPH FOAM MIST. CO 71" FILL. DRY UP TBG STRING. RD PWR SWVL. PULL STRING FLOAT. PULL 23 STDS PU TBG ABOVE TOP PERF T/4584'. SISW. SDFN.

10/22/2018: TIH W/TBG & MILL. TAG 164' FILL ON TOP OF CIBP F6061' TO 6225' (TOP OF CIBP). RU PWR SWVL & MILL. BREAK CIRC W/1350 CFM AIR & 13 BPH FOAM MIST. CO 164' FILL. MILL OUT CIBP @ 6225' TO 6228'. TIH W/MILL & TBG. DRY UP TBG STRING. RD PWR SWVL. PULL STRING FLOAT. PULL 27-STDS PU TBG ABOVE TOP PERF T/4519'. SIW. SDFN.

10/23/2018: PU & STRAP IN HOLE W/TBG & MILL. TAG 194' FILL F/7344' T/7538' (PBD). RU PWR SWVL. BREAK CIRC. MILL OUT & CO 194'. CIRC ON BTM T/CLEAN UP WELL. RD & RACK BACK PWR SWVL. PU & RABBIT IN HOLE W/2.375". SISW. SDFN.

10/24/2018: TIH 266 JTS 2 3/8" 4.7# J-55 TBG. TBG LANDED @ 7426.73'. SN @ 7424.73'. ND BOP STACK. NU TREE & PLUG CATCHER. RU HIGH TECH AIR/FOAM UNIT, PT TBG, TEST GOOD. DRY UP WELL. SI WELL, RDR @ 1100HRS ON 10/24/2018. RELEASE WELL TO PRODUCTION DEPT.

EIK Petrol
Sec 13 - 0302 0100
30-045-26597



9-21-18
Product
100000
9-21-18

Graphic Controls
9-21-2018
CHART NO. MC MP-1000-1HR
METER *Parsons*
LOCATION *Piece A 4*
REMARKS *Line = 1000
1000 = 20PSC*

Donna Miller
Hi-Lamp
Consultant