

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

5. Lease Serial No.
NMSF079960

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
SW493

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
~~Multiple--See Attached~~ **Lawson**

2. Name of Operator
HILCORP ENERGY COMPANY
Contact: PRISCILLA SHORTY
E-Mail: pshorty@hilcorp.com

9. API Well No.
~~Multiple--See Attached~~ **#28**
50415-2402

3a. Address
1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 505.324.5188

10. Field and Pool or Exploratory Area
BLANCO MESAVERDE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Multiple--See Attached

11. County or Parish, State
SAN JUAN COUNTY, NM

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"/> Hydraulic Fracturing | <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 type="checkbox"/> Other |
| | <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 recomplete 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 recompletion 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 Mesaverde recomplete details.

NMOCD
AUG 14 2019
DISTRICT III

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #473740 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 07/22/2019 (19MRW0015S)**

Name (Printed/Typed) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH

Signature (Electronic Submission)

Date 07/17/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**

JOE KILLINS
Title ENGINEER

Date 07/22/2019

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 Farmington

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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6/7/2019 - MIRU BWD 103. SPOT EQUIP. SITP 70 PSIG, SICP 164 PSIG, BH 0 PSIG. BD WELL. ND WH. NU BOP. PU & TIH 1 JT 2-3/8" TBG. TG @ 7,641' (PBSD). TOH & LD 1 JT 2-3/8" TBG. MIRU TUBOSCOPE. TOH TBG AND SCANNED. RDMO TUBOSCOPE SWI. SDFN.

6/8/2019 - SICP 170 PSIG, BH 0 PSIG. BD WELL. PU & TIH 3-7/8" BIT, 3-7/8" STRING MILL & 244 JTS 2-3/8" TBG. TG PBSD @ 7,641'. TOH TBG & BHA. PU & TIH SELECT 4-1/2" CIBP, SETTING TL, 4-1/2" PKR & 239 JTS 2-3/8" TBG. SET CIBP @ 7,480'. TOH & LD 1 JT 2-3/8" TBG. CIRC CSG W/179 BBLs. SET PKR @ 7,449'. PT CIBP TO 650 PSIG FOR 5". TST OK. RLS PKR. PT CSG TO 600 PSIG FOR 10". PRESS INC DUE TO TEMP INC. TST OK. SWI. SDFN.

6/10/2019 - SICP 170 PSIG, BH 0 PSIG. BD WELL. PU & TIH TBG. TG PBSD @ 7,641'. TOH W/ TBG & BHA. PU & TIH SELECT 4-1/2" CIBP, SETTING TL, 4-1/2" PKR & TBG. SET CIBP @ 7,480'. TOH & LD 1 JT TBG. CIRC CSG W/179 BBLs. SET PKR @ 7,449'. PT CIBP TO 650 PSIG FOR 5". TST OK. RLS PKR. PT CSG TO 600 PSIG FOR 10". RUN CBL. **HEC OPS MANAGER SENT CBL TO BRANDON POWELL, NMOCD, AND JIM LOVATO, BLM. APPROVAL WAS GIVEN TO PERF AT NEW INTERVAL OF 5005' - 5620'.** TST OK. SWI. SDFN.

6/11/2019 - SICP 0 PSIG, BH 0 PSIG. TIH 4-1/2" CIBP, SETTING TL & 182 JTS 2-3/8" TBG. SET CIBP @ 5,688'. TOH & LD 182 JTS 2-3/8" TBG & SETTING TL. W/O WLU. MIRU BASIN WLU. **PERF PT. LOOKOUT W/3-1/8" SLICK CSG GUNS FR/5,346' - 5,620' (45 HOLES) AS FOLLOWS: 5620', 5619', 5618', 5617', 5617', 5616', 5560', 5559', 5558', 5548', 5547', 5546', 5520', 5519', 5518', 5503', 5502', 5501', 5500', 5456', 5455', 5454', 5432', 5431', 5430', 5416', 5415', 5414', 5413', 5412', 5401', 5400', 5399', 5398', 5380', 5379', 5378', 5377', 5376', 5352', 5351', 5350', 5349', 5348', 5347'. PERF MENEFFEE W/3-1/8" SLICK CSG GUNS FR/5,005' - 5,260' (45 HOLES) AS FOLLOWS: 5260', 5259', 5258', 5257', 5249', 5248', 5247', 5246', 5204', 5203', 5202', 5174', 5173', 5172', 5171', 5170', 5167', 5166', 5165', 5164', 5163', 5154', 5153', 5152', 5088', 5087', 5086', 5085', 5084', 5069', 5068', 5067', 5066', 5065', 5033', 5032', 5031', 5030', 5018', 5017', 5016', 5015', 5007', 5006', 5005'.** RDMO WLU. SWI. SDFN.

6/12/2019 - SICP 0 PSIG, BH 0 PSIG. PU & TIH AS-1X PKR W/WL RE-ENTRY GUIDE, XO, PUMP OUT PLG W/RUPTURE DISC IN PLACE, XO, 159 JTS 2-7/8" P-110 SEAMLESS BTS-8 TBG, XO, 2-7/8" X 2' TBG SUB & RECOMPLETION HNGR. SET PKR @ 4,938' W/12K COMPRESSION. ND BOP. NU FRAC STACK. MIRU WELLCHECK. PT & CHART TBG, PKR & FRAC VLV TO 6,000 PSIG FOR 5". INCR TO 7,000' FOR 5". INCR TO 8,000 FOR 30". TST OK. RDMO WELLCHECK. SWI. RD RR BWD 103.

7/2/2019 - FRAC EQUIP, BT, PRIME UP, PT, LT, COOL DOWN, PREP FOR FRAC. **PUMP 70Q FOAM FRAC WITH 300,320# 40/70 SAND, TOTAL N2, 2474072 SCF TOTAL BBL 1667,** WELL ON VACCUM, SI, RD. CLEAN UP EQUIP & RD MOVE OFF.

7/7/2019 - MIRU AWS 840. BWD. KW. INSTALL 2 WAY CK. ND FRAC STACK. NU BOP & PRESS TEST. 250# LO-2000# HI. SWI. SDFN.

7/8/2019 - REMOVED STANDARD STRIPPING HEAD. INSTALL ADAPTOR FLANGE. LUBRICATE TWO WAY CHECK OUT OF TBG HANGER. CSG 0 PSI. TBG 150 PSI. BH AND INT AT 0 PSI. CLOSE BLIND RAMS. REMOVE ADAPTOR FLANGE. INSTALL WASHINGTON STRIPPING HEAD. BLOW TBG DOWN THRU KILL SPOOL TO FLOW BACK TANK. KILL WELL. RELEASE AS-1X PACKER. TOOH WITH 2-7/8" FRAC STRING, LD. SWAP OUT FRAC STRING TRAILER FOR PROD STRING TRAILER. MAKE UP 3-7/8" JUNK MILL. TALLY/TIH WITH 3-7/8" JUNK MILL TO 4956'. BRING ON AIR PACKAGE AT 1350 CFM. UNLOAD HOLE. UNLOAD HOLE

IN @ 60 MINUTES. SHUT AIR DOWN. TIH AND TAG 63' OF FILL AT 5625'. TOO H TO ABOVE TOP PERF AT 4956'. SWI. SDFN.

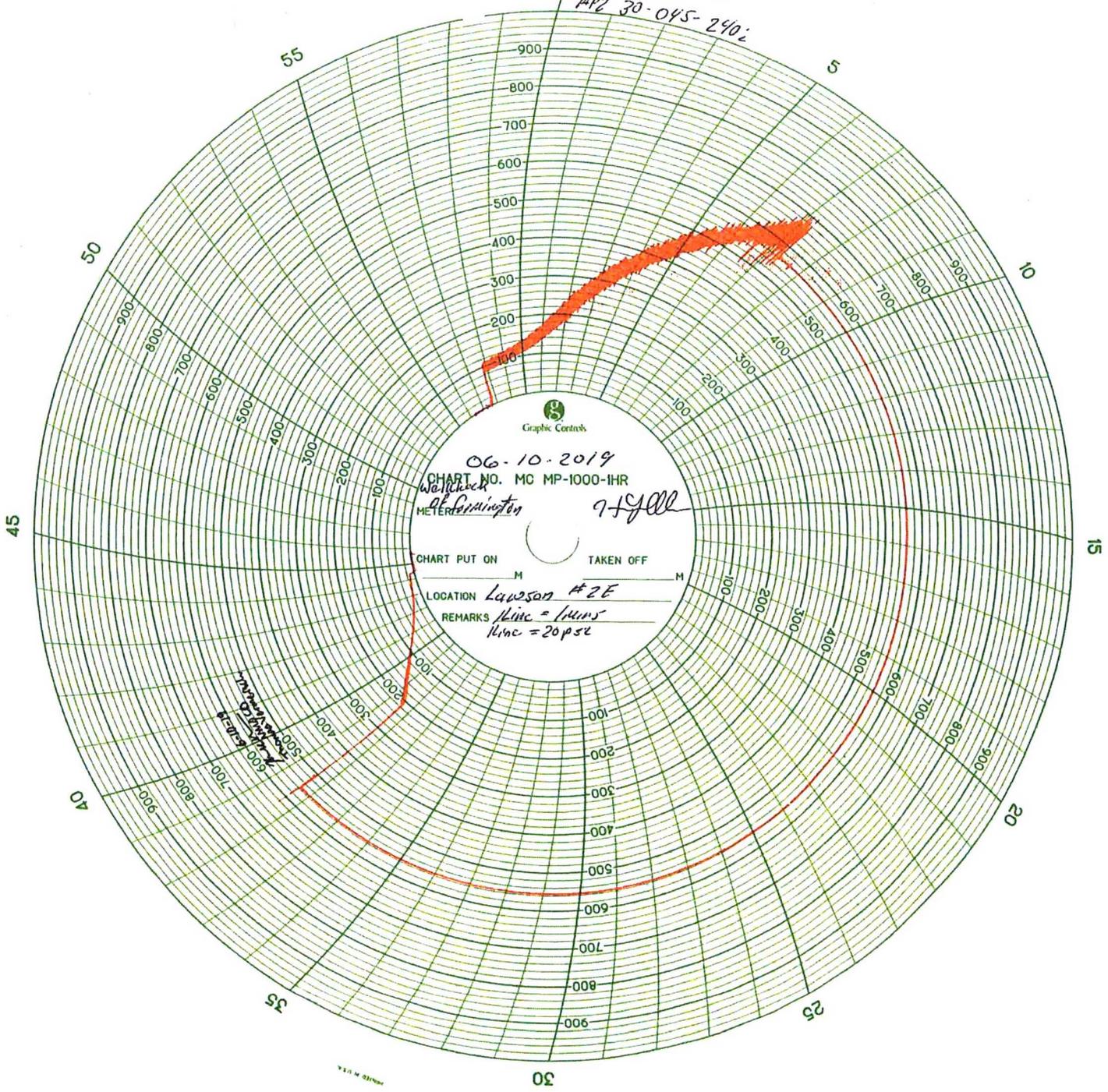
7/9/2019 - CSG 240 PSI. TBG 0 PSI. BH AND INT AT 0 PSI. OPEN WELL TO FLOW BACK TANK. TIH FROM 4956' TO FILL AT 5625' WITH 2-3/8" TBG AND 3-7/8" JUNK MILL. RU POWER SWIVEL. CO FILL FROM 4956' TO CIBP AT 5688'. BLOW ON WELL AT 5688'. DO CIBP AT 5688'. SHUT AIR UNIT DOWN. TIH FROM 5688' TO 7121'. TAGGED REMAINS OF UPPER CIBP. RU POWER SWIVEL. BREAK CIRC. CO AND PUSH DOWN REMAINS OF UPPER PLUG FROM 7121' TO CIBP AT 7480'. SHUT AIR DOWN. TOO H ABOVE TOP PERF TO 4956'. SWI. SDFN.

7/10/2019 - CSG 240 PSI. TBG 0 PSI. BH AND INT AT 0 PSI. TIH FROM 4956' TO CIBP AT 7480' WITH 2-3/8" TBG AND 3-7/8" JUNK MILL. TAGGED 7' OF FILL ON TOP OF CIBP. RU POWER SWIVEL. BREAK CIRC. CO 7' OF FILL AND DO CIBP AT 7480'. SHUT AIR UNITS DOWN. PUSH REMAINS OF PLUG TO PBTD OF 7641'. UNLOAD HOLE AT PBTD. TOO H W/ 3-7/8" MILL AND 2-3/8" TBG. SWI. SDFN.

7/11/2019 - CSG 220 PSI. TBG 0 PSI. BH AND INT AT 0 PSI. REMOVE WASHINGTON STRIPPING HEAD. RU BASIN WIRELINE. RUN GYRO WITH SCIENTIFIC DRILLING TOOLS. SURVEY FROM 7636' WIRELINE DEPTH TO 100'. SURVEY WENT GOOD. RD BASIN WIRELINE AND SCIENTIFIC DRILLING. NU STRIPPING HEAD. MAKE UP BHA. TRIP/DRIFT IN WITH 2-3/8" PRODUCTION STRING. RAN TO PBTD OF 7641'. NO FILL TAGGED. LD TAG UP JNTS. **LAND TBG AT A DEPTH OF 7593' WITH SEATING NIPPLE AT 7591'.** RAN IN HOLE AS FOLLOWS: 2-3/8" X 1.780 ID X/CK; 2-3/8" X 1.780 ID SN; 1 JNT OF 2-3/8" 4.7# J-55 TBG; 2' X 2-3/8" PUP JNT; 239 JNTS OF 2-3/8" 4.7# J-55 TBG; 10' X 2-3/8" PUP JNT; 4' X 2-3/8" PUP JNT; 1 JNT OF 4.7# J-55 2-3/8" TBG; 7-1/16" TBG HANGER. ND BOP. NU WH. CHANGED OUT B2 WH. PUMP A 5 BBL WATER PAD DOWN TBG. DROP PUMP OFF BALL. BRING ON AIR UNITS. PT TBG TO 500 PSI. TEST GOOD. PUMP OFF X/CK AT 1100 PSI. BLOW WELL. UNLOADED SMALL AMOUNT OF FLUID. SHUT AIR UNITS DOWN. SWI. RD RR AQWS 840 @ 19:00 HRS.

WELL IS NOW PRODUCING AS BLANCO MESAVERDE / BASIN DAKOTA COMMINGLE UNDER DHC 4968 AZ

Witkop
Sec 31-032N-01W
APZ 30-045-240i





Well Name: LAWSON #2E

| | | | | | |
|-----------------------------------|---|---|--------------------------------|--------------------------------|-------------------------|
| API / UWI 3004524022 | Surface Legal Location 031-032N-011W-O | Field Name BASIN DAKOTA (PRORATED GAS) | Route 0108 | State/Province NEW MEXICO | Well Configuration Type |
| Ground Elevation (ft) 6,420.00 | Original KB/RT Elevation (ft) 6,433.00 | KB-Ground Distance (ft) 13.00 | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) | |

Original Hole, 7/16/2019 3:07:59 PM

