Received by OCD: 10/6/2023 1:15:59 PM District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210	State of New Mexico Energy, Minerals & Natural Rese
District III 1000 Rio Brazos Rd., Aztec, NM 87410	Oil Conservation Division
District IV	1220 South St. Francis Dr.
1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505

State of New Mexico Ainerals & Natural Resources **Page 1 of 20** Form C-104 Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

	Santa Fe, NM 87505	
<b>REQUEST FOR</b>	ALLOWABLE AND AUT	HORIZATION TO TRANSPORT

	I.	REQUE	EST FO	R ALL	<b>OWABLE</b> A	AND AUT	HOR	IZATION T	O TRANSPO	RT
<sup>1</sup> Operator	name and	Address						<sup>2</sup> OGRID Num	ber	
Hilcorp Ene		pany							372171	
382 Road 31								<sup>3</sup> Reason for Fi	ing Code/ Effecti	ve Date
Aztec, NM 8	5/410								RC	
<sup>4</sup> API Numb	ber	<sup>5</sup> Po	ol Name						<sup>6</sup> Pool Code	
30-039-06	785				Basin M	ancos				97232
<sup>7</sup> Property (	Code	<sup>8</sup> Pro	operty Na	me					<sup>9</sup> Well Number	•
31	8920				San Juan 2	7-5 Unit				97
II. <sup>10</sup> Sur	face Lo	cation								
Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/Sout	h Line	Feet from the	East/West Line	County
М	31	27N	05W	4	1000	South	1	1000	West	Rio Arriba
<sup>11</sup> Bot	tom Ho	le Locatio	n							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	h Line	Feet from the	East/West Line	County
										Choose an
										item.
<sup>12</sup> Lse Code F		cing Method Code F		onnection ate	<sup>15</sup> C-129 Pern	nit Number	<sup>16</sup> C	-129 Effective Da	te <sup>17</sup> C-129	Expiration Date

## **III.** Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
248440	Western Refinery	0
151618	Enterprise	G

## **IV. Well Completion Data**

<sup>21</sup> Spud Date 7/9/1965		eady Date 02/2023	<sup>23</sup> TD 7629'	<sup>24</sup> PBTD 7581'	<sup>25</sup> Perforations 6643'-6850'	<sup>26</sup> DHC, MC DHC-5322	
<sup>27</sup> Hole Siz	<sup>27</sup> Hole Size		& Tubing Size	<sup>29</sup> Depth Se	t	<sup>30</sup> Sacks Cement	
15"	15"		9 5/8", 32.3#, H-40			300 sx	
7 7/8"		4 ½", 11.6#, 10.5#, J-55		7629'		400 sx	
		2 3/8"	, 4.7#, J-55	7469'			

V. Well Test Data

<sup>31</sup> Date New Oil N/A	<sup>32</sup> Gas Delivery Date 10/02/2023	<sup>33</sup> Test Date 10/02/2023	<sup>34</sup> Test Length 4 hrs <sup>35</sup> Tbg. Pressure 0		<sup>36</sup> Csg. Pressure 580 psi		
<sup>37</sup> Choke Size 16/64"	<sup>38</sup> Oil 0 bbl	<sup>39</sup> Water 0 bbl	<sup>40</sup> Gas 17		<sup>41</sup> Test Method		
been complied with a	at the rules of the Oil Conser and that the information give of my knowledge and belief	en above is true and	OIL CONSERVATION DIVISION Approved by: Sarah McGrath				
	Cherylene Westor	ר					
Printed name:	Cherylene Weston		Title: Petroleum Specialist - A				
Title: O	perations Regulatory Tecl	h Sr.	Approval Date: 10/10/2023				
E-mail Address:	cweston@hilcorp.com	00.0/15					
Date: 10/06/20	D23 Phone: 713-2	289-2615					

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I DEOLIEST I	TOP ALLOWARIE AND AUTI

of New Mexico erals & Natural Resources *Page 2 of 20* Form C-104 Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

M 87505	Santa Fe, NM 87505	
OUEST FOR A	ALLOWABLE AND AUTHORIZATION TO T	RANSF

	I.	REQUE	ST FO	R ALL	<b>OWABLE</b> A	AND AUT	HOR	IZATION T	O TRANSPO	RT
<sup>1</sup> Operator								<sup>2</sup> OGRID Num	ber	
Hilcorp Ene		pany							372171	
382 Road 3								<sup>3</sup> Reason for Fi	ing Code/ Effecti	ve Date
Aztec, NM	8/410								RC	
<sup>4</sup> API Numb	ber	<sup>5</sup> Po	ol Name						<sup>6</sup> Pool Code	
30-039-06	785				Blanco Me	saverde			,	72319
<sup>7</sup> Property (	Code	<sup>8</sup> Pro	operty Na	me					<sup>9</sup> Well Number	
31	8920				San Juan 2	7-5 Unit				97
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UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	h Line	Feet from the	East/West Line	County
										Choose an
										item.
<sup>12</sup> Lse Code		ring Method		onnection	<sup>15</sup> C-129 Perm	nit Number	<sup>16</sup> C-	129 Effective Da	te <sup>17</sup> C-129	Expiration Date
F	(	Code F	Da	ate						

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<sup>27</sup> Hole Size	<u>)</u>	<sup>28</sup> Casing	& Tubing Size	<sup>29</sup> Depth Set		<sup>30</sup> Sacks Cement	
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been complied with a	at the rules of the Oil Conser and that the information give of my knowledge and belief	en above is true and	OIL CONSERVATION DIVISION				
	Cherylene Westor	ר					
Printed name:	Cherylene Weston		Title: Petroleum Specialist - A				
Title:	perations Regulatory Tec	h Sr.	Approval Date: 10/10/2023				
E-mail Address:	cweston@hilcorp.com						
Date: 10/06/20	023 Phone: 713-2	289-2615					

S. Department of the Interior UREAU OF LAND MANAGEMENT		Sundry Print Repo
UREAU OF LAND MANAGEMEN I		
Well Name: SAN JUAN 27-5 UNIT	Well Location: T27N / R5W / SEC 31 / SWSW / 36.52625 / -107.40598	County or Parish/State: RIO ARRIBA / NM
Well Number: 97	Type of Well: CONVENTIONAL GAS Well	Allottee or Tribe Name:
Lease Number: NMSF079367	Unit or CA Name: SAN JUAN 27-5 UNITDK	Unit or CA Number: NMNM78409A
US Well Number: 3003906785	Well Status: Producing Gas Well	<b>Operator: HI</b> LCORP ENERGY COMPANY

#### **Subsequent Report**

Sundry ID: 2755150

Type of Submission: Subsequent Report Date Sundry Submitted: 10/05/2023 Date Operation Actually Began: 08/15/2023 Type of Action: Recompletion

Time Sundry Submitted: 03:26

Actual Procedure: Hilcorp Energy recompleted the subject well in the Mancos and Mesaverde formations. Please see attached reports.

SR Attachments

**Actual Procedure** 

SJ\_27\_5\_Unit\_97\_RC\_Sbsq\_Sundry\_20231005152450.pdf

Well Name: SAN JUAN 27-5 UNIT	Well Location: T27N / R5W / SEC 31 / SWSW / 36.52625 / -107.40598	County or Parish/State: RIO ARRIBA / NM
Well Number: 97	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079367	Unit or CA Name: SAN JUAN 27-5 UNITDK	Unit or CA Number: NMNM78409A
US Well Number: 3003906785	Well Status: Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

#### Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CHERYLENE WESTON

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Tech - Sr

Street Address: 1111 TRAVIS STREET

City: HOUSTON

State: TX

Phone: (713) 289-2615

Email address: CWESTON@HILCORP.COM

#### Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

#### **BLM Point of Contact**

BLM POC Name: MATTHEW H KADE BLM POC Phone: 5055647736 Disposition: Accepted Signature: Matthew Kade BLM POC Title: Petroleum Engineer BLM POC Email Address: MKADE@BLM.GOV Disposition Date: 10/06/2023

Signed on: OCT 05, 2023 03:25 PM

San Juan 27-5 Unit 97

Recomplete Sundry

- 8/15/2023 MIRU. SITP-175 PSI. SICP-175 PSI. SIBHP-160 PSI. BDW. ND WH. NU BOP & FT, GOOD. UNSET TBG HNGR. MIRU PREMIER. TOOH, SCANNING TBG. RDMO PREMIER. TIH 4.5" CSG SCRAPER TO 3,435'. SISW. SDFN.
- 8/16/2023 PJSA. SITP-250 PSI. SICP-250 PSI. SIBHP-250 PSI. BDW. CONT TIH TO 7,301'. TOH SCRAPER. TIH, SET 4.5" CIBP @
  7,266'. RU PUMP LINE. CIRC WELL W/117 BBLS WTR. PT 4.5" CSG 560 PSI. LOST ALL PSI IN 2 MIN. REPEAT, SAME RESULTS. TOOH. TIH, SET 4.5" PKR @ 2,488'. TEST BELOW. PUMPING INTO LEAK @ 200 PSI. ATT PT ABOVE PKR (LOST 10 PSI/MIN). UNSET PKR. TIH, SET PKR @ 2,617'. REPEAT TEST, SAME RESULTS. UNSET PKR. SISW. SDFN.
- 8/17/2023 PJSA. SITP-0 PSI. SICP-0 PSI. SIBHP-0 PSI. TOOH PKR. RU BASIN WL. RUN CBL 7,266' TO SURFACE. RDMO BASIN. TIH, SET 4 1/2" PKR @ 74'. LOAD CSG, TEST ABOVE PKR TO 550 PSI, GOOD. UNSET PKR. TIH, SET PKR @ 3,815'. TEST 560 PSI ABOVE, GOOD. TEST 450 PSI BELOW 450 PSI (LOST 200 PSI/2 MIN). UNSET PKR. TIH, SET PKR @ 5,532'. TEST BELOW TO 610 PSI, GOOD. TEST ABOVE TO 550 PSI (LOST 300 PSI/1 MIN). UNSET PKR. SISW. SDFN.
- 8/18/2023 PJSA. SITP-0 PSI. SICP-0 PSI. SIBHP-0 PSI. TIH PKR TO 4,641'. TEST ABOVE TO 560 PSI, GOOD. TEST BELOW 500 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,086'. TEST ABOVE 580 PSI (LOST 30 PSI/5 MIN). TEST BELOW 500 PSI (LOST 350 PSI/1 MIN). UNSET PKR. PU TO 5,054'. SET PKR. TEST ABOVE 580 PSI, GOOD. UNSET PKR. TIH, SET PKR @ 5,340', TEST BELOW 590 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,405', TEST BELOW 580 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,405', TEST BELOW 580 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,405', TEST BELOW 580 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,405', TEST BELOW 580 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,405', TEST BELOW 560 PSI (LOST 350 PSI/1 MIN). UNSET PKR. TIH, SET PKR @ 5,501', TEST BELOW 590 PSI, GOOD. UNSET PKR. TOOH. CALL IN RESULTS: CSG HOLDS PSI 5,054' TO SURFACE, 5,501' TO CIBP @ 7,266'. REQUEST APPROVAL FROM NMOCD/BLM TO CMT SQZ ON MONDAY (8/21/23). SISW. SDFW.
- 8/21/2023 PJSA. SICP-0 PSI. SIBHP-0 PSI. REC'D APPROVAL TO PROCEED W/SQZ OPS BY MONICA KUEHLING/NMOCD & KENNY RENNICK/BLM. MIRU BASIN WL. PERF 2 SETS OF SQZ HOLES @ 4,550' & 4,350'. NO CHANGE FROM 4.5" X 9 5/8" ANN. RD BASIN. RIH, SET 4.5" CICR @ 4,500'. MIRU DRAKE CMT. MIX/PUMP 70 SKS (16.8 BBLS) TYPE III CMT @ 14.6 PPG W/ 1.37 FT3 YLD THRU CR. DISP W/17 BBLS WTR. STING OUT CR. PUMP 30 BBLS, REV OUT. 1 BBL IN RETURNS, +/- 15.5 BBLS CMT SLURRY INTO 4.5" X 7 7/8" OH ANNULUS. RD DRAKE. TOOH.
- 8/22/2023 PJSA. SICP-0 PSI. SIBHP-0 PSI. OPEN WELL. MU 3.75" ROLLER BIT. TIH, TAG CMT @ 4,475'. RU PWR SWVL, BREAK CIRC W/2 BBLS WATER. DO SQUEEZE CMT @ 4,510'-4,572'. CONT TO 4,650'. LD SWVL. CONT TO 6,810'. TOOH. SISW. SDFN.
- 8/23/2023 PJSA. SICP-0 PSI. SIBHP-0 PSI. OPEN WELL. MIRU BASIN WL. PERF 1 SET OF SOZ HOLES @ 6,760'. CHANGE FROM 4.5" X 9 5/8" ANNUL. RDMO BASIN. RIH, SET 4.5" PKR @ 6,428'. MIRU DRAKE CMT. MIX/PUMP 21 SKS (5 BBLS) TYPE III CMT @ 14.6 PPG W/ 1.37 FT3 YLD INTO SOZ PERFS. DISP W/19.5 BBLS WTR. +/- 4.5 BBLS CMT SLURRY INTO 4 1/2" X 7 7/8" OH ANNUL. RDMO DRAKE CMT. SISW. SDFN.
- 8/24/2023 PJSA. SITP-0 PSI. SICP-20 PSI. SIBHP-0 PSI. OPEN WELL. UNSET 4.5" CMT PKR. MU 3.75" ROLLER BIT. TIH, TAG CMT @ 6,715'. RU PWR SWVL, DO SQUEEZE CMT TO 6,775'. CONT TO 6,950'. CIRC CLEAN. LD SWVL. TOOH. MIRU BASIN WL. RUN CBL FROM 7,000' 3,300'. RDMO BASIN. SENT CBL TO HEC. SISW. SDFN.
- 8/25/2023 REC'D APPROVAL TO PROCEED BY MONICA KUEHLING/NMOCD & KENNY RENNICK/BLM. SCHEDULED MIT FOR MONDAY (8/28/23). PJSA. SICP-0 PSI. SIBHP-0 PSI. OPEN WELL. RIH, SET 4.5" PKR @ 4,322'. LOAD/TEST CSG ABOVE TO 590 PSI X 60 MINS, LOST 10 PSI. BLEED OFF. TRIP PKR TO 6,796'. TEST CSG BELOW TO 580 PSI X 60 MINS, LOST 10 PSI. SISW. SDFWE.
- 8/28/2023 PJSA. SITP-0 PSI. SICP-0 PSI. SIBHP-0 PSI. NO BD. MIRU WELLCHECK. PT UNIT, GOOD. CONDUCT PRELIM CSG TEST BELOW PKR TO 600 PSI X 30 MINS, GOOD. CONDUCT 2 MIT TESTS: 1. PKR @ 6,796'. TEST CSG/CIBP BELOW PKR TO 560 PSI X 30 MINS, GOOD. SET PKR @ 4,322'. 2. TEST CSG ABOVE PKR TO 560 PSI X 30 MINS, GOOD. TESTS WITNESSED/APPROVED BY CLARENCE SMITH, NMOCD. UNSET PKR, TOOH LD TBG. MIRU BASIN WL. RIH 3.75" GR TO 6,950'. SET 4.5" CBP @ 6,910' WLM. SISW. SDFN.
- 8/29/2023 PJSA. SICP-0 PSI. SIBHP-0 PSI. NO BD. MI 2 7/8" FRAC STRING FLOAT. RIH, PERFORATE STAGE #1 MANCOS (6,834'-6,850') W/ 0.37" DIA, OWEN 3.125", 60 DEGREE PHASING (96 SHOTS). SISW. SDFN.
- **8/30/2023** PJSA. SICP-0 PSI. SIBHP-0 PSI. NO BD. MIRU BASIN & EMINENT TOOLS. RIH, SET **4**.5" CIFP (PAC-MAN) @ 6,790'. RIH, SET 4.5" MODEL "D" (OPTIMA) FRAC PKR @ 6,400'. RD BASIN WL. SISW. SDFN.

**Released to Imaging: 10/10/2023 10:14:47 AM** 

San Juan 27-5 Unit 97

**8/31/2023** PJSA. SICP-0 PSI. SIBHP-0 PSI. NO BD. MU MODEL "D" SEAL ASSM. PU 2 7/8" RTS-8 FRAC STRING. SPACE OUT FRAC STRING INTO PKR @ 6,400'. INSTALL FRAC TBG HANGER, LAND W/12K COMPRESSION. RD FLOOR. ND BOP. MIRU BIG RED & WELLCHECK. INSTALLED 10K FRAC STACK. TEST VOID/SEALS, GOOD. PT FRAC STACK/TBG TO 7,000 PSI, GOOD. RD BIG RED & WELLCHECK. MIRU EXPERT SL. 1ST RUN: 1.75" SPEAR TO 6,395'. BREAK DISC. 2ND RUN: 2.00" GR TO 6,500'. NO OBSTRUCTION. RD EXPERT. SISW. SDFN. RDMO.

Recomplete Sundry

- 9/14/2023 SITP-0 PSI, SICP-0 PSI, SIBHP-0 PSI. MIRU GORE N2 SERVICES & BASIN WL. RU FRAC & N2. TEST FRAC/N2 LINES TO 7800 PSI, GOOD. FRAC MANCOS ZONE @ 45 BPM W/ 70 Q N2 FOAM. DROP 2.1" BALL. PT PLUG TO 2200 PSI, GOOD. RIH, PERF STAGE #2 MANCOS (6643'-6673' & 6685'-6715') IN 4 RUNS W/ 0.29" DIA, 2" RTG GUNS, 4 SPF 120 DEGREE PHASING (240 SHOTS). POOH. FRAC STAGE #2 MANCOS @ 35 BPM W/ 70 Q N2 FOAM. SISW. RDMO FRAC, N2 & WL. SDFN.
- 9/15/2023 MIRU. BH-0 PSI, CSG-475 PSI, TBG-1,700 PSI. BD TBG THROUGH CHOKE. SIW. SDFN.
- 9/16/2023 PJSM. BH-0 PSI, CSG-475 PSI, TBG-950 PSI, BDW. KILL TBG W/40 BBLS. UNLOAD UP CSG, PSI CLIMBED TO 1,400 PSI. RU WELLCHECK. LUBE 2-WAY CHECK INTO TBG HANGER. ND FRAC STACK. NU BOP, RU FLOOR. PT BOP/PIPE/BLIND RAMS, GOOD. 110 BBL KILL, CSG 350 PSI. REPLACE LD PIN. NU BOP. PT, GOOD. SISW. SDFN.
- 9/17/2023 PJSM. BH-0 PSI, CSG-500 PSI, TBG-0 PSI, BDW. PULL HANGER, REL PKR. RU WELLCHECK LUBRICATOR, REM 2-WAY CHECK. KILL TBG W/35 BBLS. LD 57 JTS, STAND BACK ~4,600' TBG. XO TOOLS FOR 2-3/8" TBG. PU DC, JARS & 2-3/8" WORKSTRING W/3-7/8" WASHOVER ASSM TO 3,600'. SISW. SDFN.
- 9/18/2023 PJSM. BH-0 PSI, CSG-1,700 PSI, TBG-0 PSI, BDW. PU TBG TO PKR @ 6,398'. RU PWR SWVL, EST CIRC WITH AIR/MIST. DO SLIPS ON PKR. CIRC CLEAN, HANG SWVL. CHASE PLUG TO 6,781'. TOOH TO 3,000'. SISW.
- 9/19/2023 PJSM. BH-0 PSI, CSG-1,400 PSI, TBG-0 PSI, BDW. TOOH, LD WASHOVER ADDM. TIH W/SPEAR GRAPPLE. ENGAGE FISH @ 6,782'. WORK FREE. TOOH, LD FISH. TIH W/TBG & DC'S. LD TBG TO 4,500'. SISW. SDFN.
- 9/20/2023 PJSM. BH-0 PSI, CSG-1,200 PSI, TBG-0 PSI, BDW. LD WORK STRING & DC. ND BOP. RU BASIN WL. RIH, SET CBP @ 5,442'. RIH, PERF LOWER MENEFEE/PT LOOKOUT (5057' - 5436') W/ 0.34" DIA, 1 SPF (22 HOLES). SET FRAC PLUG @ 5040'. SET PKR @ 4,610'. RD WL. SIWS. SDFN.
- 9/21/2023 PJSM. RU WILSON HYDROTESTERS. HYDROTEST TBG. LAND TBG HNGR 16K. ND BOP. NU FRAC STAC, PT 9K, GOOD. SISW. SDFN.
- 9/25/2023 MIRU FRAC/WL CREWS. FRAC STAGE 3: BDW W/ WATER & 500 GAL 15% HCI. FOAM FRAC'D PT LOOKOUT/LOWER MENEFEE W/ 122,225 LBS 20/40 SAND, 46,998 GAL SLICKWATER & 1.54M SCF N2 70 Q. LAND BALL W/1,500 PSI. BD TO 500 PSI. RIH, PERF STAGE 4 CLIFFHOUSE/UPPER MENEFEE IN 2 RUNS (4658'-5001') W/
   0.29" DIA, 1 SPF (21 HOLES). FRAC STAGE 4: BDW W/WATER & 500 GAL 15% HCI. FOAM FRAC'D CLIFFHOUSE/UPPER MENEFEE W/ 128,475 LBS 20/40 SAND, 45.612 GAL SLICKWATER & 1.45M SCF N2 70 Q. RD.
- 9/26/2023 MIRU. BH-0 PSI, CSG-0 PSI, TBG-1,100 PSI, BDW. RU WELLCHECK. INSTALL 2-WAY CHK INTO HANGER. ND FRAC STACK. NU BOP. RU FLOOR. PT BOP 250 PSI LOW, 2,500 PSI HIGH ON PIPE/BLIND RAMS, GOOD. PULL HANGER, REL FROM PKR. LUBE OUT 2-WAY CHK. KILL TBG W/30 BBLS. LD 149 JTS TBG. XO TOOLS FOR 2-3/8" TBG. SISW. SDFN.
- 9/27/2023 PJSM. BH-0 PSI, CSG-900 PSI, BDW. TIH TO PKR @ 4,610'. RU PWR SWVL, EST CIRC WITH AIR/MIST. DO SLIPS ON PKR. CIRC CLEAN, HANG SWVL. CHASE PLUG TO 5,032' (FRAC PLUG @ 5,040'). TOOH ABOVE PERFS. SIWS. SDFN.
- 9/28/2023 PJSM. BH-0 PSI, CSG-600 PSI, TBG-100 PSI, BDW. TOOH W/TBG. TIH, SPEAR GRAPPLE & FISHING ASSM TO 5,032'. ENGAGE FISH, WORK FREE. TOOH. TIH W/MILL TO 5,040'. PU PWR SWVL, EST CIRC WITH AIR/MIST. DO PLUG @ 5,040'. TAG @ 5,320' (122' ABOVE CBP). CO FILL, DO PLUG PARTS TO 5,346'. CIRC CLEAN, HANG SWVL. TOOH ABOVE PERFS. SISW. SDFN.
- 9/29/2023 PJSM. BH-0 PSI, CSG-640 PSI, TBG-0 PSI, BDW. TIH, TAG FILL @ 5,320'. PU PWR SWVL, EST CIRC WITH AIR/MIST. CO FILL, DO PLUG REMAINS TO 5,442'. CIRC CLEAN. DO PLUG. HANG SWVL. PU TBG TO 6790'. TAG PACMAN PLUG. TOOH ABOVE PERFS. SISW.

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- 9/30/2023 PJSM. BH-0 PSI, CSG-700 PSI, TBG-0 PSI, BDW. TIH, TAG FILL @ 6,776'. PU PWR SWVL, EST CIRC WITH AIR/MIST. CO 14' FILL, DO PLUG REMAINS TO 6,790'. DO PACMAN PLUG. CIRC CLEAN. PU TBG TO 6900'. CO 10' FILL, DO PLUG REMAINS TO 6,910'. TAG CBP, CIRC CLEAN. DO PLUG. PU TBG TO 7,222'. CO 44' FILL. DO PLUG REMAINS TO 7,266'. TAG CIBP, CIRC CLEAN. DO PLUG. RACK SWVL. TOOH ABOVE PERFS. SISW. SDFN.
- 10/1/2023 PJSM. BH-0 PSI, CSG-600 PSI, TBG-0 PSI, BDW. TIH, TAG FILL @ 7,557'. PU PWR SWVL, EST CIRC WITH AIR/MIST. CO FILL. DO PLUG REMAINS TO 7,581'. CIRC CLEAN. HANG SWIVEL. TOOH. TIH PROD BHA, BROACHING TBG TO 7458'. SISW. SDFN.
- 10/2/2023 PJSM. BH-0 PSI, CSG-600 PSI, TBG-0 PSI, BDW. TIH, TAG 20' FILL. PU PWR SWVL, EST CIRC WITH AIR/MIST. CO FILL TO **PBTD @ 7,581'.** TIH, LAND 234 JTS 2-3/8", 4.7#, J-55 **TBG @ 7469'** (SN @ 7468'). RD FLOOR. ND BOP. NU WH. PT TBG. PUMP OFF EXP CHECK. **RDRR**.

The well is producing as a MV/MC/DK trimmingle on a C-104 test allowable waiting on RC C-104 approval.

**Released to Imaging: 10/10/2023 10:14:47 AM** 

Hilcorp Energy Company

## **Current Schematic - Version 3**

## Well Name: SAN JUAN 27-5 UNIT #97

917 UWI 2039067		Surface Legal Location 031-027N-005W-M	Field Name BSN DK(PRO GAS)	#0068	Route 1403	State/Provin	XICO	Wel Configuration Type VERTICAL
ound Eleva	ation (ft)	Original KB/RT Elevation (ft) 6,481.00	RKB 10.0	to GL (ft) )0	KB-Casing Fla	nge Distance (ft)	KB-Tubing Har	nger Distance (ft)
			Origina	al Hole [VEF	rt <b>i</b> cal]			
MD	TVD							
(ftKB)	(ftKB)			vertical sch	ematic (actual)			
		7 1/16in, Tubing Hang	jer; 7 1/16 in; 40.00			Industria Industria	Coment Casing 7/	
10.8 -		lb/ft; J-55; 10	.00 ftKB; 10.85 ftKB					ass A cement. Cement circulated to
213.9 -							214.00ftKB; 4 1/2 in new csg.; 214.00 ftK	; 4.05 in; 10.00 ftKB; Replaced bad
308.1 -						2; Surface, 308	8.00ftKB; 9 5/8 in; 9.0	00 in; 10.00 ftKB; 308.00 ftKB
007.0								983 00:00; 200.00-2,403.00; 1983-12
1,087.9 -		— NACIMIENTO (NACIMIENT — OJO ALAMO (OJO ALAMC	· · · ·			-03; Located c cement. TOC		340-2403'. Sqz'd w/ 701 cu ft
2,402.9 -				2		Production Ca	sing Cement. Casing	g, 7/28/1965 21:00; 2,725.00-
2,725.1 -				1000	xxxx		-07-28 21:00; Ceme	nted 3rd stage w/ 100 sx Class C
3,129.9 -						4,352.00; 2023	-08-21 10:15	10:15 (SQUEEZE PERFS); 4,350.00-
		— LEWIS (LEWIS (final))	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			08-21 15:30; N	IXED & PUMPED 70	023 15:30; 4,180.00-4,552.00; 2023- 0 SACKS OF TYP III CEMENT AT 14.6 CED WITH 17.0 BBLS WATER, STING
,300.5 –								CED WITH 17.0 BBLS WATER. STING O OUT 30 BBLS. 1 BBL CEMENT IN
,330.7 –			3 in: 4 70 lb/ft: 1-55			PUMP RATE M		
,067.9 -			ftKB; 7,434.64 ftKB			PUMP PSI MIN PUMP PSI MA	X: 900 PS <b>I</b> .	
350.1 -							NTO 4 1/2" X 7 7/8	" OPENHOLE ANNULUS: 15.5 BBLS.
				6686 1997				g, 7/28/1965 21:00; 3,330.64- nted 2nd stage w/ 100 sx Class C
,549.9 -				1999 1999				10:30 (SQUEEZE PERFS); 4,550.00-
,658.1 -		- CLIFF HOUSE (CLIFF HOUS						14:00 (PERF - CLIFF HOUSE /
,001.0 -		— MENEEE (MENEEE (final))				MENEFEE UPP	ER); 4,658.00-5,001.	00; 2023-09-25 14:00
i,264.1 -								14:00 (PERF - POINT LOOKOUT /
,204.T								.00; 2023-09-20 14:00
,485.9 —						cement.		nted 1st stage w/ 200 sx Class A
,516.1 -						6,643.00-6,715	.00; 2023-09-14	00:00 (PERF - GALLUP - MANCOS);
,339.9 -		— MANCOS (MANCOS (final) — GALLUP (GALLUP (final)) -	) ———			08-23 11:45; N	IXED & PUMPED 20	023 11:45; 6,660.00-6,761.00; 2023- 0 SACKS OF TYPE III CEMENT AT 14.6 CED WITH 19.5 BBLS WATER.
642.0		~~^^^^^	<u>^^^^^^</u>	~~~~			IIN: 1.0 BPM.	CED WITH 15.5 EDES WATER.
,643.0 -						PUMP PSI MIN PUMP PSI MA	X: 900 PS <b>I</b> .	
,714.9 -							NTO 4 1/2" X 7 7/8	OPENHOLE ANNULUS: 4.5 BBLS.
,761.2 -				20000 () 20000		6,761.00; 2023	-08-23 08:30	08:30 (SQUEEZE PERFS); 6,760.00-
,850.1 -						6,834.0-6,850.0 6,850.00; 2023		13:15 (PERF - GALLUP); 6,834.00-
		2 3/8in, Tubing Pup Joint;	h					
,280.8 -		J-55; 7,434.64	ftKB; 7,436.84 ftKB					
,398.0 -			ftKB; 7,467.84 ftKB	200908 200508			OftKB on 7/30/1965	00:00 (Dakota); 7,316.00-7,537.00;
,436.7 -		2 3/8in, Pump Seating N	ipple; 2 3/8 in; 4.70		<b>I</b>	1965-07-30		
,468.8 -		lb/ft; J-55; 7,467.84 2 3/8in, Expendable C						
		lb/ft; J-55; 7,468.94						
,537.1 –		< Tvr	> (PBTD); 7,581.00				Plug, 7/29/1965 05:0	00; 7,581.00-7,628.75; 1965-07-29
,598.4 -						05:00; PBTD		
7,628.0 -								in; 4.00 in; 214.00 ftKB; Located csg
					AAAAA 4444	failure from 16 new csg.; 7,628		nd pulled 214' csg and replaced w/

Received by OCD: 10/6/2023 1:15:59 PM





## **Cheryl Weston**

From:	Rennick, Kenneth G <krennick@blm.gov></krennick@blm.gov>
Sent:	Friday, August 25, 2023 11:02 AM
То:	Kuehling, Monica, EMNRD; Brett Houston
Cc:	Cheryl Weston
Subject:	Re: [EXTERNAL] RE: San Juan 27-5 Unit 97 CBL Results from two squeezes

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

The BLM finds the proposal appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management Farmington Field Office 6251 College Blvd Farmington, NM 87402

Email: <u>krennick@blm.gov</u> Mobile & Text: 505.497.0019

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov> Sent: Friday, August 25, 2023 9:47 AM To: Brett Houston <Brett.Houston@hilcorp.com>; Rennick, Kenneth G <krennick@blm.gov> Cc: Cheryl Weston <cweston@hilcorp.com> Subject: RE: [EXTERNAL] RE: San Juan 27-5 Unit 97 CBL Results from two squeezes

NMOCD approval is given to recomplete through perforations listed below with prior approval from the BLM.

Thank you

Monica Kuehling Compliance Officer Supervisor Deputy Oil and Gas Inspector New Mexico Oil Conservation Division North District Office Phone: 505-334-6178 ext. 123 Cell Phone: 505-320-0243 Email - monica.kuehling@emnrd.nm.gov From: Brett Houston <Brett.Houston@hilcorp.com> Sent: Friday, August 25, 2023 8:48 AM To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov> Cc: Cheryl Weston <cweston@hilcorp.com> Subject: [EXTERNAL] RE: San Juan 27-5 Unit 97 CBL Results from two squeezes

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

### Monica,

I am replying to the below email with our specific perforations. I re-attached the CBL for reference reflecting the two squeezes we completed. We would like to move forward with perforating these sections. Thank you,

**Brett Houston** 

Mesaverde	4,666-5,450
Mancos	6,487-6,750
Gallup	6,834-6,850

From: Brett Houston Sent: Thursday, August 24, 2023 6:25 PM To: Kuehling, Monica, EMNRD <<u>monica.kuehling@emnrd.nm.gov</u>> Cc: Cheryl Weston <<u>cweston@hilcorp.com</u>> Subject: San Juan 27-5 Unit 97 CBL Results from two squeezes

#### Monica,

To refresh, we perforated and squeezed cement between 4,350 – 4,550' to add cement above the top perforation 4,665'. We also perforated at 4,760' and squeezed cement. The attached CBL was ran after both squeezes. Please give me a holler to discuss. Thank you,

Brett Houston Operations Engineer – SJE 346.237.2065 (o) 832.433.6376 (m)

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

## **Cheryl Weston**

From:	Brett Houston
Sent:	Friday, August 25, 2023 9:48 AM
To:	Kuehling, Monica, EMNRD
Cc:	Cheryl Weston
Subject:	RE: San Juan 27-5 Unit 97 CBL Results from two squeezes
Attachments:	SAN JUAN 27-5 UNIT 97.pdf; SAN JUAN 27-5 UNIT 97.tif

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Brett Houston Operations Engineer – SJE 346.237.2065 (o) 832.433.6376 (m)

## Cheryl Weston

From:	blm-afmss-notifications@blm.gov
Sent:	Friday, October 6, 2023 12:35 PM
То:	Cheryl Weston
Subject:	[EXTERNAL] Well Name: SAN JUAN 27-5 UNIT, Well Number: 97, Notification of Well
	Completion Acceptance

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

## The Bureau of Land Management

# **Notice of Acceptance for Well Completion Report**

- Operator Name: HILCORP ENERGY COMPANY
- Well Name: SAN JUAN 27-5 UNIT
- Well Number: 97
- US Well Number: 3003906785
- Well Completion Report Id: WCR2023100689694

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Received by (June 2015)	OCD: 10/6/	/2023 1:1	5:5	9 PM											Page 15 of 20
(64.16 26 16)						STATE:		D			FORM APPROVED OMB No. 1004-0137				
				JREAU C									Expires: July		
	WE		IPLE	ETION OF	R RECO	MPLETI	ON REP	ORT AN	D LO	G	5. Le:	ase Serial No.	NMSF07	70.2E	7
1a. Type of Wel	1	Oil Well		X Gas We	ell	Dry	Oth	er			6. If I	ndian, Allottee	or Tribe Name	930	<u> </u>
b. Type of Con	npletion:	New Well		Work C	Over	Deepen	Plug	g Back	Diff.	Resvr.,	7   lr	nit or CA Agre	ement Name a	and N	0
		Other:			RECO	OMPLETE							San Juan 2'		
2. Name of Oper	rator		Hilc	orp Ener	gy Com	pany					8. Le:	ase Name and V Saturna Saturna S	<sup>Well No.</sup> an Juan 27	-5 U	nit 97
3. Address	382 Rd 310						e No. (inclua ( <b>505</b>	le area cod ) <b>333-17</b>	,		9. AF	I Well No.	30-039-0	)678	5
4. Location of W					with Feder	ral requiren		) 000 11	,,,		10. F	eld and Pool of			
At surface	Unit M (SWS	SW), 1000'	FSL	_ & 1000' F	WL						11. S	ec., T., R., M.,	on Block and		
												Survey or Ar	ea <b>Sec. 31, T2</b>	7N, I	R5W
At top prod. I	Interval reported	below				Same a	as above	•			12. 0	County or Parisl	1		13. State
At total depth 14. Date Spudde		15	Date '	T.D. Reached			e ate Complete	d 10/	2/2023		17 F		A <b>rriba</b> RKB, RT, GL)*	¢	New Mexico
^ 7/	9/1965	15.	Date	7/27/19	65		D&A	X Rea					6,47		
18. Total Depth:		7,629'		19. F	Plug Back T	ſ.D.:	7,58	81'		20. Depth	Bridge	Plug Set:	MD TVD		
21. Type Electr	ic & Other Mech	anical Logs	Run (		of each)					22. Was			X No		es (Submit analysis)
				CBL							S DST r	un? Survey?	X No X No		es (Submit report) es (Submit copy)
23. Casing and I	Liner Record (Re	port all strin	igs sei	t in well)			Staga	Cementer		lo. of Sks.	P-	Slurry Vol.			
Hole Size	Size/Grade	Wt. (#/	,	Top (M	D) B	Sottom (MD	<sup>0)</sup> I	Depth		pe of Cem		(BBL)	Cement to	p*	Amount Pulled
15" 7 7/8"	9 5/8" H-40 4 1/2" J-55			0 ± 0		308' 7,629'		n/a n/a		300 sx 400 sx					
24. Tubing Reco	1		1							5 4 4 4		<i>a</i> :			
Size 2 3/8"	Depth Set (N 7,469'	AD) P	acker	Depth (MD)		lize	Depth Set (			Depth (MI	))	Size	Depth Set (1	ND)	Packer Depth (MD)
25. Producing In	tervals Formation			Тор		ottom	ef. Perforat F	Perforated I	nterval			Size	No. Holes		Perf. Status
A) B)	Mancos Mancos			6,643' 6,834'		715' 850'		4 SP 1 SP				.29" .37"	240 96		open open
C)	Squeeze Perfs	s (2)		6,760'		710'		1 SPF				.37"	30		Squeezed
D)	TOTAL												336		
27. Acid, Fractu	re, Treatment, Ce Depth Interval	ement Squee	ze, et	с.					Amoun	t and Type	of Mate	erial			<u> </u>
	6643-6715 6834-6850		_			<u> </u>				0			20/40 sand, 4 20/40 sand, 1		
	6760-6710												9.5 BBL/WATE		
28. Production -					0.1			0.1.0							
Date First Produced	Test Date	Hours Tested	Test Proc	luction	Oil BBL	Gas MCF	Water BBL	Oil Gravit Corr. API		Gas Gravity		Production M		owin	g
10/2/2023	10/2/2023	4			0	17 mcf	0 bbls	n	/a	r	/a				
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 F Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well St	atus				
	0 PSI				0				/2				Der der		
16/64" 28a. Production	- Interval B	580 psi		•		17 mcf/d	· ·	•	/a			•	Producing		
Date First Produced	Test Date	Hours Tested	Test Proc	luction	Oil BBL	Gas MCF	Water BBL	Oil Gravit Corr. API		Gas Gravity		Production N	Iethod		
			-												
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 F Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well St	atus	-			
Size	SI	11035.			DDL	WICI'	DDL	Kau							

\*(See instructions and spaces for additional data on page 2)

recoveries.

28b. Product	tion - Interval C								
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
28c. Product	ion - Interval D				I				
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
								-	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	۱
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
29. Dispositi	on of Gas (Solid, u	sed for fuel, v	vented, etc.)						
						Se	bld		
30. Summary	y of Porous Zones (	Include Aqui	fers):					31. Format	tion (Log) Markers
Show all in	mportant zones of p	porosity and c	ontents thereof:	Cored inter-	vals and all d	lrill-stem tes	t,		
including of	depth interval tested	d, cushion use	ed, time tool oper	n, flowing ar	nd shut-in pro	essures and			

Тор Formation Top Bottom Descriptions, Contents, etc. Name Meas. Depth Ojo Alamo 2,627' Ojo Alamo White, cr-gr ss Kirtland Kirtland 2,627' 2,788' Gry sh interbedded w/tight, gry, fine-gr ss. Fruitland 2,788' 3,130' Fruitland Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. **Pictured Cliffs Pictured Cliffs** 3,130' Bn-Gry, fine grn, tight ss. Lewis Lewis Shale w/ siltstone stingers Huerfanito Bentonite Huerfanito Bentonite White, waxy chalky bentonite Chacra 4,658' Chacra Gry fn grn silty, glauconitic sd stone w/ drk gry shale Cliff House 4,658' 4,900' **Cliff House** 4,658' Light gry, med-fine gr ss, carb sh & coal Menefee 4,900' 5,302' Menefee 4,900' Med-dark gry, fine gr ss, carb sh & coal Med-light gry, very fine gr ss w/ frequent sh breaks in lower part Point Lookout 5,302' 5,480' Point Lookout 5,302' of formation Mancos 5,480' 6,340' Mancos 5,480' Dark gry carb sh. Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ Gallup 6,340' 7,222' 6,340' Gallup irreg. interbed sh. Greenhorn 7,222' 7,398' Greenhorn 7,222' Highly calc gry sh w/ thin Imst. Graneros Dk gry shale, fossil & carb w/ pyrite incl. Graneros Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh Dakota 7,398' Dakota 7,398' bands cly Y shale breaks Morrison Interbed grn, brn & red waxy sh & fine to coard grn ss Morrison

32. Additional remarks (include plugging procedure):

#### This well is currently producing as a MC/MV/DK trimmingle per DHC-5322.

trical/Mechanical Logs (1	full set req'd.)	Geologic Report	D	ST Report	Directional Survey
dry Notice for plugging an	d cement verification	Core Analysis	По	ther:	
	g and attached information is cor	mplete and correct as determine	ned from all available	e records (see attache	d instructions)*
			ned from all available		d instructions)* ons/Regulatory Technician

Received by (June 2015)	OCD: 10/6/	<b>2023 1:</b>	15:59	9 PM											Page 17 of 20
(000 20.0)					NITED	STATE	S						FORM APPI	ROVE	ED
							NTERIO						OMB No. 10		
							AGEMEN			_			Expires: July	31, 20	018
	WE	ELL CON	IPLE	TION OF	R RECO	MPLETI	ON REP	ORT AN	D LO	G	5. Lea	se Serial No.	NMSF07	036	7
1a. Type of Wel	1	Oil Well		X Gas We	ell	Dry	Oth	er			6. If Iı	ndian, Allottee	or Tribe Name	500	
b. Type of Con		New Wel	1	Work C		Deepen	Plu	g Back	Diff.	Resvr.,		•			
		Other:			DECO	OMPLETE	,				7. Un	it or CA Agre	ement Name a San Juan 27		
2. Name of Ope	rator	Ouler:			KEU	JMIFLEIE					8. Lea	se Name and V		-30	IIIt
_			Hilc	orp Ener	gy Com								an Juan 27	-5 U	nit 97
3. Address	382 Rd 310	). Aztec N	IM 8'	7410		3a. Phone	e No. (inclua (505	le area cod ) <b>333-17</b> (			9. AP	I Well No.	30-039-0	678	5
4. Location of W		/			with Feder	ral requiren		<u>) 555 IN</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10. Fi	eld and Pool or	Exploratory		
At surface	Unit M (SWS	SW) 1000	' ESI	& 1000' F	-\//I						11 5	ec., T., R., M.,	Blanco Mes	save	erde
Tit Sufface		, 1000	102	u 1000 1							11. 5	Survey or Ar	ea		
At top prod	Interval reported	balow				Samo	as above				12 0	ounty or Parish	Sec. 31, T27	7N, I	<b>R5W</b> 13. State
At top prod.	inter var reporteu	below				Game		•			12. C	•			15. State
At total depth 14. Date Spudde		15	Data T	Г.D. Reached		as above	e ate Complete	d 10/	2/2023		17 E	Rio A	. <b>rriba</b> RKB. RT. GL)*		New Mexico
	9/1965	15.	Date	7/27/19			D & A	X Rea		rod.	17. E	ievations (DF,	<b>6,47</b>		
18. Total Depth		7,629'		19. I	Plug Back 7	ſ.D.	7,5	81'		20. Depth	Bridge	Plug Set:	MD		
21. Type Electr	ie & Other Mech	anical Loga	Dun (	Submit con	(of each)					22. Was	wall cor	rad?	TVD X No		es (Submit analysis)
21. Type Electr	ie a Ouier Meen	anicai Logs	Kull (	CBL	( of cacil)						DST ru		X No		es (Submit report)
												Survey?	X No		es (Submit copy)
23. Casing and	Liner Record (Re	port all strii	igs set	in well)											
Hole Size	Size/Grade	Wt. (#	′ft.)	Top (M	D) E	ottom (MD	)) – č	Cementer Depth		lo. of Sks. & pe of Ceme		Slurry Vol. (BBL)	Cement top	p*	Amount Pulled
15"	9 5/8" H-40			0		308'		n/a		300 sx					
7 7/8"	4 1/2" J-55	11.6#, 1	0.5#	0		7,629'		n/a	-	400 sx					
									-						
24. Tubing Reco		1			1			1							
Size 2 3/8"	Depth Set (N 7,469'		acker	Depth (MD)	) 5	lize	Depth Set (	MD)	Packer	Depth (MI	))	Size	Depth Set (N	MD)	Packer Depth (MD)
25. Producing In	tervals						26. Perforat				1				
A) Cliffho	Formation	Venefee	_	Top 4,658'		ottom 001'	I	Perforated I <b>1 SP</b>				Size .29"	No. Holes		Perf. Status Open
B) Point Lo	okout/Lowe		•	5,057'	5,	436'		1 SP	F			.34"	22		open
C) Squeeze			_	4,350' 4,550'		352' 552'		1 SPI 1 SPI				.37"			squeezed squeezed
D) Oqueeze	TOTAL			4,000	т,	002		1011				.01	43		Squeezeu
27. Acid, Fractu	re, Treatment, Co Depth Interval	ement Squee	ze, etc	2.					Amount	and Type	of Mate	rial			
	4658-5001		В	roke well w	/ H20 & 50	00 gal 15%	6 HCL. Foa						20/40 sand, 1	1.45N	I SCF N2.
	5057-5436 4350-4552												# 20/40 sand, D WITH 17.0		
	4000 4002		IVI			5X THE		1 @ 14.0	110 1	// 1.5/ 1 1		D. DIOI LAOL		DDLC	SWATEN.
28. Production - Date First	Interval A Test Date	Hours	Test		Oil	Gas	Water	Oil Gravi	37	Gas		Production N	lathod		
Produced	Test Date	Tested		luction	BBL	MCF	BBL	Corr. API		Gas Gravity		FIGURE		win	g
10/2/2023	10/2/2023	4			0	41	0 1 1 1		/-		/-				
Choke	Tbg. Press.	4 Csg.	24 H	Ir.	0 Oil	41 mcf Gas	0 bbls Water	Gas/Oil	/a	Well St	/a atus				
Size	Flwg.	Press.	Rate		BBL	MCF	BBL	Ratio							
16/64"	0 PSI	580 psi			0	41 mcf/d	0 bwpd	n	/a				Producing		
28a. Production		1			0.1										
Date First Produced	Test Date	Hours Tested	Test Prod	luction	Oil BBL	Gas MCF	Water BBL	Oil Gravi Corr. API		Gas Gravity		Production N	iethod		
		1					1								
Choke	Tbg. Press.	Csg.	24 H	ŀ Ir.	Oil	Gas	Water	Gas/Oil		Well St	atus				
Size	Flwg.	Press.	Rate		BBL	MCF	BBL	Ratio							
	SI						1								

\*(See instructions and spaces for additional data on page 2)

Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	3	
Size	SI	Piess.		DDL	MCF	DDL	Kauo			
	tion - Interval D			-						
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	3	
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio			
29. Dispositi	ion of Gas (Solid,	used for fuel, v	vented, etc.)			So	old	1		
30. Summary	y of Porous Zones	s (Include Aqui	fers):					31. Format	tion (Log) Markers	
	mportant zones of depth interval test						t,			
										Тор
Forma	ation	Тор	Bottom		Descrip	tions, Conte	nts, etc.		Name	Meas. Depth

Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
Ojo Alamo		2,627'	White, cr-gr ss	Ojo Alamo	
Kirtland	2,627'	2,788'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	
Fruitland	2,788'	3,130'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	
Pictured Cliffs	3,130'		Bn-Gry, fine grn, tight ss.	Pictured Cliffs	
Lewis			Shale w/ siltstone stingers	Lewis	
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bentonite	
Chacra		4,658'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	
Cliff House	4,658'	4,900'	Light gry, med-fine gr ss, carb sh & coal	Cliff House	4,658'
Menefee	4,900'	5,302'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4,900'
Point Lookout	5,302'	5,480'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5,302'
Mancos	5,302 5,480'			Mancos	
wancos	5,480	6,340'	Dark gry carb sh.	Mancos	5,480'
Gallup	6,340'	7,222'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6,340'
Greenhorn	7,222'	7,398'	Highly calc gry sh w/ thin Imst.	Greenhorn	7,222'
Graneros			Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	
Dakota	7,398'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7,398'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

## This well is currently producing as a MC/MV/DK trimmingle per DHC-5322. MV PA - NMNM078409B

ctrical/Mechanical Logs (1 f	full set req'd.)	Geologic Report	D	ST Report	Directional Survey
ndry Notice for plugging and	l cement verification	Core Analysis	0	ther:	
by certify that the foregoing Name (please print)	and attached information is cor Cherylene	•	ned from all availabl Title		l instructions)* ns/Regulatory Technician

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	273317
	Action Type:
	[C-104] Completion Packet (C-104C)

#### ACKNOWLEDGMENTS $\overline{\checkmark}$ I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion. $\overline{\checkmark}$ I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

## ACKNOWLEDGMENTS

ACKNOWLEDGMENTS

Action 273317

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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	273317
Γ	Action Type:
	[C-104] Completion Packet (C-104C)
CONDITIONS	

Created By	Condition	Condition Date
smcgrath	None	10/10/2023

CONDITIONS

Action 273317

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