

Submit 1 Copy To Appropriate District

Office

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 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. 30-045-11502
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 SAN JUAN 32-7 UNIT
8. Well Number 37
9. OGRID Number 372171
10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator HILCORP ENERGY COMPANY	
3. Address of Operator 382 Road 3100, Aztec, NM 87410	
4. Well Location Unit Letter <u>L</u> : <u>790</u> feet from the <u>North</u> line and <u>300</u> feet from the <u>West</u> line Section <u>09</u> Township <u>32N</u> Range <u>7W</u> NMPM <u>San Juan</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6336	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Hilcorp Energy has attempted to repair the packer on the subject well and was unsuccessful. Attached are details of the workover. Approval was given to P&A the well.

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 9/18/2024

Type or print name Priscilla Shorty E-mail address: pshorty@hilcorp.com PHONE: (505) 324-5188

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

SAN JUAN 32-7 UNIT 37

30.045.11502

PACKER REMEDIATION

8/29/2024 – MIRU. CK PRESSURES. MVSITP: 350 PSI, DKSITP: 400 PSI, SICP: 52 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW: 15 MIN. ND TREE NU BOP. INSTALL OF SET RAMS AND SPOOL. FT AND PT GOOD. RU FLOOR AND EQUIP. PULL MANDREAL AND REMOVE. POH LD 33 JTS 1.66 TBG, PARTED DUE TO CORROSION. INSTALL 2-1/16 PUP JT IN LONG STRING INSTALL TBG VALVE. SDFN.

9/3/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 0 PSI, SICP: 0 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW. S/M WITH EXPERT DOWN HOLE, SPOT IN TRUCK RIG UP EQUIP. RIH W / 1.65 GAUGE RING TO 6350'. POH TO DRAGGING UP HOLE TO 5840', RIH TO 6089' PUSHING JUNK. POH W / GAUGE RING. M/U 1.50 GAUGE RING RIH TO 6350'. PLAN TO FREE POINT. S/M WITH TWG, SPOT IN TRUCK. CHECK TBG STRING WEIGHT P/U 15K MOVED 1/2" NOTIFIED ENGINEER, R/U E-LINE TO FREE POINT, WENT TO CHECK STREACH PULLED 20K MOVED 1/2". HITTING SOLID. WITH WELL DEAD P/U BOP AND HANG OFF. P/U ON TBG HANGER MOVED UP 8" STRING WEIGHT 18K. PLAN TO STRIP OUT HANGER. PUMP 5 BBL DOWN 2-1/16 TBG WENT ON VACUUM. PUMP 10 BBL DOWN CSNG AND IDLE PUMP, REMOVE 2-1/16 JT, HANG BACK BOP P/U ON HANGER SET SLIPS REMOVE HANGER. P/U BOP SCREW IN 2-1/16 JT P/U REMOVE SLIPS. SET DOWN BOP ON TBG HEAD. KICK OUT PUMP. P/U ON TBG STRING PULLED 24K STRING PARTED. STRING WEIGHT SHOWING 2K. POH LAYING DOWN 2-1/16 TBG. 10 JTS LAID DOWN. SECURE WELL AND LOCATION. CREW TRAVEL HOME.

9/4/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 20 PSI, SICP: 20 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 10 MIN. NIPPLE DOWN STRIPPING HEAD. P/U ANNULAR, STRIP OVER TBG JOINT. P/U STRIPPING HEAD INSTALL ON ANNULAR. FUNCTION TEST ANNULAR (GOOD). FINISH POH W / 2-1/16 TBG, SPOT IN 2-3/8 WORK STRING. STRAP AND PREP, S/M W / SELECT OIL TOOL. SPOT IN TRUCK UNLOAD AND M/U OVER SHOT FOR 2-1/16 TBG. RIH W / 2-3/8 TBG TAG FISH AT 2915'. RIG UP E-LINE. M/U FREE POINT TOOL. RIH TO 1980' CAL TOOL, RIH TO 3313- 40%, 4420- 40%, 6186- 10%, 6560- 0%, POH 5320-20%, 5030-20%, 4720-20%, 4420- 20%. REVIEWED AND PLAN TO CUT AT 5000' POH W / FREE POINT TOOL, M/U CHEMICAL CUTTER, RIH TO 5002' PUMP 20 BBL OF WATER DOWN TBG. PULL 20K AND CUT TBG WEIGHT DROPPED TO 18K. POH W / CUTTER AND RIG DOWN E-LINE. POH W / 2-3/8 TBG TO FISH TOP. REMOVE OVER SHOT. AND 6' OF FISH. SCREW IN FLOOR VALVE. SDFN.

9/5/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 23 PSI, SICP: 23 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 10 MIN BDW. POH LAYING DOWN 2-1/16 TBG 117 JTS, MAKE UP OVER SHOT RIH W / 62 JTS. SPOKE W / ENGINEER, PLAN TO RIH W / LIB. POH W / TBG. S/M W / EXPERT DOWN HOLE, R/U LUBRICATOR. RIH W / 4.5 OD LIB TO 3547' WLM. POH LAY DOWN LIB AND R/D SLICK LINE. M/U OVER SHOT W / 1.660 GRAPPLE RIH W / 2-3/8 TBG TO 3568' WORK OVER FISH, P/U ON TBG SHOWING 2K OVER STRING WEIGHT LITTLE DRAG. POH W / TBG TO 1.66 LAY DOWN 29 JTS. SDFN.

9/6/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 16 PSI, SICP: 16 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 10 MIN. S/M WITH EXPERT DOWN HOLE. SPOT IN TRUCK R/U LUBRICATOR. MAKE UP 4.5 LIB. RIH TO 4520' TAGGED TOP OF FISH. HIT FLUID AT 3160'. POH W / LIB. R/D SLICK LINE. M/U OVER SHOT W / 1-7/8" GRAPPLE RIH TO TOP OF FISH SWALLOW FISH TO 4544' P/U STRING WEIGHT 18K P/U TO 25K. RIG UP SLICK LINE. RIH W / 1.26 GAUGE RING WORK THROUGH TOP OF FISH AND WENT TO 5390'. POH W / SLICK LINE. R/D EQUIP. WORK STUCK PIPE. UP TO 26K

SAN JUAN 32-7 UNIT 37

30.045.11502

PACKER REMEDIATION

NO MOVEMENT. PLAN TO RIH W / CHEMICAL CUTTER AND CUT 1.66 TBG. MONDAY MORN. SDFWE.

9/9/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 250 PSI, SICP: 250 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. RU WL GROUP. RIH WITH FREE POINT TOOL. WORK FREE POINT TOOL PAST 5390' (SLICK LINE TAG) TAG @ 6172' WITH FREE POINT TOOL. EST FREE POINT @ 6111'. TOOHD LD FREE POINT TOOL. RIH CHEMICAL CUTTER. CUT 1.25" IJ TBG @ 6111'. MAKE SURE FISH IS FREE. PULL 5 STANDS. SECURED WELL AND LOCATION. SDFN.

9/10/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 370 PSI, SICP: 45 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. POH W / 2-3/8 TBG AND 1.66 TBG. LAY DOWN 47 JTS. M/U OVER SHOT FOR 2-1/16" TBG RIH TO 5000' TOP OF FISH LATCH ON W / OVERSHOT SET AND P/U TRY TO WORK STRING FREE. R/U E- LINE TO FIND FREE POINT RIH W / TOOLS. CAL AT 5820' . 6620' 73%, 7220' 62%, 7310' 10%. TAGGED AT 7340 PACKER AT 7390'. HIT TIGHT SPOT IN TBG AT 7220'. PLAN TO CUT AT 7270' POH W / E-LINE. MAKE UP CHEMICAL CUTTER. RH TO 7270' CUT TBG, POH W / E-LINE AND R/D EQUIP. LAY DOWN 2 JTS 2-3/8 TBG. SDFN.

9/11/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 375 PSI, SICP: 20 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. POH W / 2-3/8 TBG AND 2-1/16 TBG. LAY DOWN 67 JTS. M/U OVER SHOT FOR 1.66" TBG RIH TO 6098' TOP OF FISH LATCH ON W / OVERSHOT SET AND P/U TRY TO WORK STRING FREE. PULLED 50k STARTED TO MOVE UP HOLE PULLED JTS STOPPED DRAGGING R/D E-LINE EQUIP AND RELEASE TWG. FINISH POH W / 2-3/8 TBG TO 1.66. REMOVE OVERSHOT AND LAY DOWN 1.66 TBG (38 JTS) WITH BHA ATTACHED. SDFN.

9/12/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 0 PSI, SICP: 70 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. MAKE UP OVER SHOT AND FISHING ASSY. RIH W / 2-3/8 TBG TO 6806', TAGGED FILL, 464' FROM TOP OF FISH. PLAN TO RUN LIB. POH W / 2-3/ TBG AND FISHING ASSY, PREP TO RUN LIB. WAIT ON SLICK LINE TO RUN LIB. S/M WITH EXPERT DOWN HOLE. SPOT IN TRUCK. R/U LUBRICATOR, MAKE UP 4.5 LIB RIH TO 6785' SET WEIGHT DOWN, POH W / LIB SAW A NICK ON THE SID OF LIB. TOOK PICTURE SEND TO ENGINEER. SDFN.

9/13/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 0 PSI, SICP: 40 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. MAKE UP BHA FOR FISHING. S/M W / EXPERT DOWN HOLE, SPOT IN TRUCK R/U EQUIP, M/U BAILOR RIH TO 6785' WORKED BAILOR 6 TIMES FELL THROUGH WENT TO 7265' POH W / BAILOR CHECK SAMPLE. HAD VERY LITTLE SOLIDS. RIH AGAIN TRY TO GET SAMPLE AT 6785'. POH PICKED UP VERY LITTLE SAMPLE. R/D SLICK LINE. M/U BHA FOR FISHING, RIH W / 2-3/8 TBG STAGE IN TO UNLOAD WELL TO 4617' BRING ON AIR, WELL UNLOADED AT 1,000 PSI ON TBG. UNLOAD WATER, BLEED OFF AIR RIH TO 6806' TAGGED FILL OR BRIDGE. R/U POWER SWIVEL. BRING ON AIR WELL UNLOADED AT 1450 PSI ON TBG. UNLOAD WATER AND CIRC WELL. WORK TBG THROUGH BAD SPOTS. C/O BRIDGES FROM 6806', 6905, 7043', 7070', C/O TO 7089' CIRC WELL CLEAN. BLEED OFF AIR. HANG POWER SWIVEL. POH W / TBG ABOVE PERFS SECURE WELL AND LOCATION FOR THE WEEKEND. SDFWE.

9/16/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 0 PSI, SICP: 100 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. EOT AT 5500, UNLOAD WELL W / AIR, BLEED OFF AIR. RIH TO 7089'. R/U POWER SWIVEL. CONNECT AIR LINE, BREAK CIRC W / AIR AND MIST. START TO C/O WELL BORE CLEANED OUT TO 7094' WOULD NOT GO ANY FURTHER. HANG POWER SWIVEL. POH

SAN JUAN 32-7 UNIT 37

30.045.11502

PACKER REMEDIATION

W / TBG AND FISHING ASSY. PULLED OVER SHOT IT HAD A 2' SECTION OF 1.66 TBG STUCK IN THE CROSSOVER. CALLED SLICK LINE TO RUN LIB. WAIT ON SLICK LINE. S/M W / EXPERT DOWN HOLE SPOT IN TRUCK R/U EQUIP. M/U 4.5 LIB RIH TO 7082' POH TAKE PICTURE OF LIB AND SEND TO ENGINEER. SECURE WELL AND EQUIP. SDFN.

9/17/2024 - CHECK WELL FOR PRESSURE. MVSITP: 0 PSI, DKSITP: 0 PSI, SICP: 50 PSI, SIINT: 0 PSI, SIBHP: 0 PSI. BDW 15 MIN. MAKE UP OVER SHOT FOR 1.66 TBG. RIH W / FISHING ASSY AND 2-3/8 TBG TO 7094' WORK OVERSHOT ON TO TBG P/U PULLED 1K OVER STRING WEIGHT. CALLED IN TO ENGINEER FOR UPDATE. AND PLAN FORWARD. RELEASE FISH AND POH W / TBG. LAY DOWN FISHING ASSY. LOAD OUT SELECT OIL TOOL. SECURE WELL AND LOCATION DEBRIEF CREW. CREW TRAVEL HOME.**HEC ENGINEER SENT MONICA KUEHLING, NMOCD, AN EMAIL PROVIDING DETAILS OF WORKOVER THUS FAR AND REQUESTED APPROVAL TO P&A THE WELLBORE AFTER MANY ATTEMPTS TO RECOVER FISH. APPROVAL WAS GIVEN TO P&A WELL. WELL WILL BE PLUGGED AND ABANDONED.**

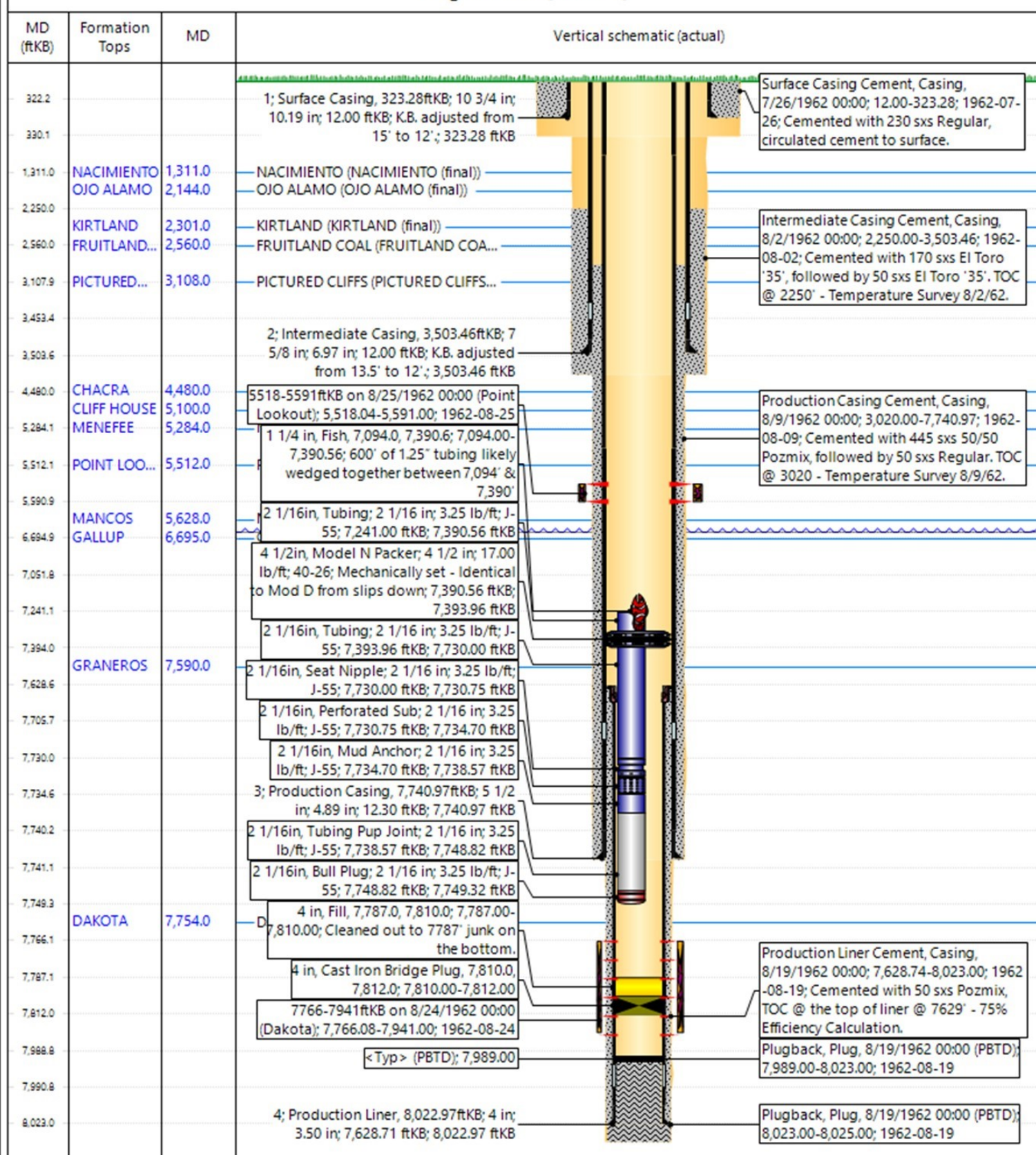


Current Schematic

Well Name: SAN JUAN 32-7 UNIT #37

API / UWI 3004511502	Surface Legal Location 009-032N-007W-L	Field Name MV/DK DUAL	Route 0504	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,336.00	Original KB/RT Elevation (ft) 6,350.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole [Vertical]



Priscilla Shorty

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 1:32 PM
To: John LaMond
Cc: Farmington Regulatory Techs; Clay Padgett; Lee Murphy; Rustin Mikeska; Matt Gustamantes - (C); Ted Ramos - (C); Christian Zuvich
Subject: RE: [EXTERNAL] Request to P&A SAN JUAN 32-7 UNIT 37 (API # 3004511502)

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John/Christian

After review of attempts to save the well we find that Hilcorp has went as far as they can. Thank you for the information on all that was attempted on the well.

Approval is given to set cement retainer at 7050 and then proceed with the attempt to inject. For a fish we require capacity plus 100% - there is a cibp at 7810 – go for that depth for capacity.

If injection is not achieved continue with the 150 feet at the retainer.

While working on the above, please submit notice of intent through OCD permitting and we can verify formation tops and the rest of your procedure

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: John LaMond <jlamond@hilcorp.com>
Sent: Tuesday, September 17, 2024 12:41 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; John LaMond <jlamond@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Ted Ramos - (C) <Ted.Ramos@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>
Subject: [EXTERNAL] Request to P&A SAN JUAN 32-7 UNIT 37 (API # 3004511502)

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Good morning Monica,

Thank you for your time on the phone this morning.

As discussed, Hilcorp moved onto the SAN JUAN 32-7 UNIT 37 (API # 3004511502) on 8/29/2024 to remediate a packer failure. Upon moving onto the well, Hilcorp found that the 1.25" tubing (small string) was parted @ 1,023'. Since then Hilcorp has made substantial efforts to recover the fish over the course of the past three weeks, and have now made minimal progress over the past few days.

As it currently sits, there is ~600' of 1.25" tubing in the hole likely wedged together between 7,094' & 7,390' (5.5" packer set depth). Additionally there is 120' of 2-1/16" tubing (long string) sticking up above the packer as well, with the TOF @ 7,270'. We have consistently tagged @ 7,094' over the past few days, and have not been able to recover fish beyond that depth.

Per your request, below outlines the work Hilcorp has performed to date on this workover:

- 8/29 – Rigged up on well, found short string (1-1/4) parted, recovered 33 joints (~1,023')
- 9/3 – Could not make progress on long string, plans made to run e-line
- 9/4 – Ran free point and chemically cut 2-1/16 string at 5,002'
- 9/5 – Laid down 117 joints of 2-1/16 post cutting operations. Ran impression block, and then latched onto 1-1/4 string with overshot. Laid down 29 joints of fish
- 9/6 – Tagged impression block on 1-1/4 fish at 4,520', latched onto fish with overshot, worked stuck pipe with no movement
- 9/9 – Run in hole with free point on 1-1/4 string, cut at 6,111'
- 9/10 – Pull out cut 1-1/4 string and lay down 47 joints. Run in hole with overshot to top of 2-1/16 string at 5,002', work fish, no movement. Run in hole with e-line and cut at 7,270'
- 9/11 – Pull 2-1/16 and lay down 67 joints. Run in hole with overshot for 1-1/4 string, latch fish, and lay down 38 joints with bottom hole assembly
- 9/12 – Run in hole with 2-1/16 overshot, tagged fill ~590 feet above packer. Could not get lower than 6,806'
- 9/13 – Run slickline with bailor and ran through tag. Run in hole with overshot, engage clean out package, and clean out to 7,094', could not latch onto fish
- 9/16 – Run in hole with overshot and kept tagging at 7,094'. Pulled overshot out of hole, recovered 2' piece of 1-1/4" string

Moving forward, Hilcorp requests to P&A this well as follows:

JOB PROCEDURES

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
3. MIRU service rig and associated equipment; NU and test BOP.
4. Set a **5-1/2" CICR** at **+/- 7,050'** to isolate the **Dakota Formation**. Sting into CICR, establish injection.
5. **PLUG #1: 96sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 7,776' | DK Top @ 7,754' | Prod. Casing Shoe @ 7,740'**
Pump 68sx of cement beneath the 5-1/2" CICR inside the 5-1/2" casing. (est. **TOC @ +/- 7,050'** & est. **BOC @ +/- 7,629'**). Continue the 4" liner (est. **TOC @ +/- 7,629'** & est. **BOC @ 7,804'**). Sting out of CICR, pump 18 sack balanced cement plug on top of the CICR (**BOC @ +/- 7,050'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess injection on below CICR, forego pumping cement below CICR & only pump 150' of Class G cement above CICR.
6. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
7. PU & TIH w/ work string to **+/- 6,745'**.
8. **PLUG #2: 18sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 6,695'**
Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 6,595'** & est. **BOC @ +/- 6,745'**). Wait on Cement string. *Note cement plug lengths & volumes account for excess.
9. Set a **5-1/2" CICR** at **+/- 5,468'** to isolate the **MV Perfs**.
10. **PLUG #3: 80sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 5,628' | MV Perfs @ 5,518' | MV Top @ 5,100'**
Pump 25sx of cement beneath the 5-1/2" CICR (est. **TOC @ +/- 5,468'** & est. **BOC @ +/- 5,678'**). Pump 55 sack balanced cement (**TOC @ +/- 5,000'** & est. **BOC @ +/- 5,468'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess. *Note Amount of cement to be pumped below the CICR will be equivalent volume to 50' below the MCS perforations.
11. Load the hole & pressure test plug & casing to **560 psi**.
12. POOH w/ work string to **+/- 4,530'**.
13. **PLUG #4: 18sx of Class G Cement (15.8 PPG, 1.15 yield); CHC Top @ 4,480'**
Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 4,380'** & est. **BOC @ +/- 4,530'**). *Note cement plug lengths & volumes account for excess.
14. POOH w/ work string to **+/- 3,555'**.
15. **PLUG #5: 18sx of Class G Cement (15.8 PPG, 1.15 yield); Int. Casing Shoe @ 3,505'**
Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 3,405'** & est. **BOC @ +/- 3,555'**). *Note cement plug lengths & volumes account for excess.
16. POOH w/ work string to **+/- 3,158'**.
17. **PLUG #6: 18sx of Class G Cement (15.8 PPG, 1.15 yield); PC Top @ 3,108'**
Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 3,008'** & est. **BOC @ +/- 3,158'**). *Note cement plug lengths & volumes account for excess.
18. TOOH w/ work string. TIH & perforate squeeze holes @ **+/- 2,610'**. RIH w/ **5-1/2" CICR** and set CICR @ **+/- 2,560'**. TIH w/ work string.
19. **PLUG #7: 236sx of Class G Cement (15.8 PPG, 1.15 yield); FRD Top @ 2,560' | KRD Top @ 2,301' | OJO Top @ 2,144'**
Pump 116sx of cement in the 7-5/8" casing X 9-7/8" open hole annulus (est. **TOC @ +/- 1,991'** & est. **BOC @ +/- 2,610'**). Continue the 1/2" casing X 7-5/8" casing annulus (est. **TOC @ +/- 1,991'** & est. **BOC @ +/- 2,610'**). Pump an additional 6sx of cement beneath the 2,560' & est. **BOC @ +/- 2,610'**). Sting out of retainer, pump a 60 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 2,560'** & est. **BOC @ +/- 2,610'**). Wait on Cement for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
20. TOOH w/ work string. TIH & perforate squeeze holes @ **+/- 1,361'**. RIH w/ **5-1/2" CICR** and set CICR @ **+/- 1,311'**. TIH w/ work string.

***Please note that if we are unsuccessful at establishing injection below the CICR @ 7,050', Hilcorp requests to forego pumping cement below the CICR and proceed with pumping 150' cement plug above the CICR.**

This procedure as well as the updated wellbore schematic is attached with formation tops.

Please note that we will formally submit this well to the NMOCD website.

Please let me know if you have any questions.

Thanks,

John LaMond

Operations Engineer – Technical Services

Hilcorp Energy Company

1111 Travis

Houston, TX 77002

346-237-2210 (Office)

832-754-9692 (Cell)

jlamond@hilcorp.com

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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

Action 384755

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 384755
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	10/2/2024