

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.
NMNM30016

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

8. Well Name and No.
CARRACAS NP WDW 27A 82
Unit

9. API Well No.
30-039-24278

10. Field and Pool or Exploratory Area
UNNAMED

11. County or Parish, State
RIO ARRIBA COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other: INJECTION

2. Name of Operator
SOUTHLAND ROYALTY COMPANY LLC
Contact: ERIC KITTINGER
E-Mail: EKITTINGER@MSPARTNERS.COM

3a. Address
400 W 7TH ST
FORT WORTH, TX 76102

3b. Phone No. (include area code)
Ph: 817-334-8302

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 27 T32N R5W SENE 1650FNL 990FEL
36.953980 N Lat, 107.343410 W Lon

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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
<i>BP</i>	<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.

SRC has completed the workover per the approved procedure (ref NOI EC 477642) as of 8/23/2019. Attached are the WBD, Daily Reports, passing MITS, and CBL.

NMOCB

SEP 13 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #482625 verified by the BLM Well Information System For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington

Name (Printed/Typed) CONNIE BLAYLOCK	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/10/2019

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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

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Southland Royalty Company

Prepared by: C Arnold
Date: 08/28/2019

KB = 12'
GL = 7,175'
API# 30-039-24278

Spud Date: 12/01/1988
Completion Date: 02/24/1989

**Carracas SWD #1
fka Carracas 27A82
Rio Arriba County, NM**

TD - 10,060'; PBTD - 9,975'; RBP @ 9,641'

17-1/2" hole
Surface Csg: 13-3/8" 54.4# J-55
Setting Depth: 319'

Cement
385 sx Class B (454 ft³)
Circulate cmt to surface

12-1/4" Hole
Prod Csg: 9-5/8" 40/43.5# N-80 Csg
Setting Depth: 4,143'

Cement
Lead: 600 sx 65/35
Tail: 350 sx 50/50
100 sx Class B
Circulate cmt to surface

8-3/4" Hole
Liner: 7" 23/26/29# N-80
Setting Depth: 10,053'
TOL: 3,898'

Cement
550 sx 65/35 Poz
350 sx 50/50 poz (1928 ft³)
Full Returns, Partial Returns, Lost Returns
thru liner cementing
TOC @ 5,350' - BlueJet CBL 8-9-19

**Order No. SWD-361 -
Max Surface Inj
Pressure of 1,940 psig**

Sqz Csg Leak 8-13-2019:

Isolated csg leak via pkr f/ 4968-5180'
Set 7" CICR @ 4951'
Inject 1.5 bpm @ 585 psi
Pump 250 sks of 15.8#, 1.16 yield cmt
Avg 1.5 bpm, 50 psi
Well went on vacuum 10 bbls into displacement
Pump additional 193 sks of cmt and hesitate sqz
Walk pressure up to 415 psi during displacement
Drill out and test to 625 psi - OK

Prod Tbg:

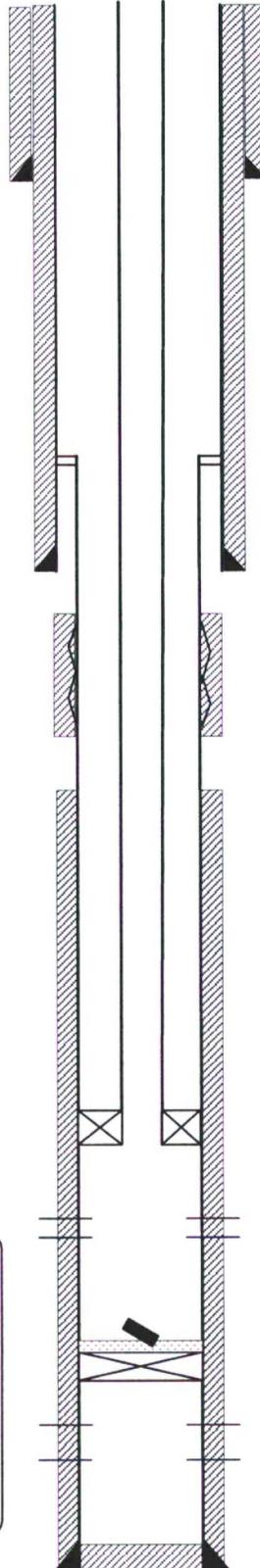
3-1/2" 9.3# IPC Tbg
2-7/8" WLEG
2-7/8"x7" A2 Lok-set Pkr
2-7/8"x2.28" IS SS SN
2-7/8" x 3-1/2" XO
134 Jts NEW L-80 IPC w/ square shoulder cplgs
158 Jts Re Run YB N-80 w/ beveled cplgs
(292 Jts Total)
A2 Lok-Set Pkr @ 9,314' w/ 20k# Compression
EOT @ 9,319'

Morrison Perfs:

9555-9596'
1 SPF, 42 Holes

**Baker Retr. BP @ 9641'
w/ 5 gal Sd on top
**Tong Die Dropped on
Top of RBP/Sand****

**Entrada Perfs (TA'd):
9680-9790'
1 shot per 2', 56 Holes**



PBTD: 9,975'

CARRACAS UNIT 27 A 82 (SWD #1)

REPAIR DOWNHOLE FAILURE

08/01/2019	8/1/2019 PJSM. LOAD OUT SUPPORT EQUIPMENT ON CARRACAS 19B 10. ROAD WSU DWS 32 & SUPPORT T/LOCATION. SI SUPPORT MIRU WSU. ND WH – TOOK 5 HRS DUE T/BOLTS & NUTS BEING RUSTED. NU 11" BOP & WASHINGTON HEAD. RU FB LINES, FLOOR, TONGS, ETC. TIE BACK T/SINGLE LINE. MAKE SURE EVERYTHING RU READY, SDFN.
08/02/2019	8/2/2019 PJSM. CP=0 PSI, TP=0 PSI. BO LD TIW. MU POWER SWIVEL. PULL 3-1/2" T/RELEASE PACKER & BO HANGER. FOUND ~2.5' COMPRESSION, SW = 86K. USE PS T/TOTATE & RELEASE PACK. PAKER RELEASED, PU BO HANGER. PULLED T/FIRST CPLG & FOUND TAPPERED CPLGS. ORDER SLIP ELEVATORS. CONT PULLING USING PJ WHILE W/O ELEVATORS. SLOW GOING. XO ELEVATORS, CONT POOH. HAVING T/HEAT EVERY CONNECTION T/BREAK. LD 151 JTS. MOVE LOADED TRAILER, SPOT IN EMPTY TRAILER. INSTAL TIW, CLOSE & LOCK PIPE RAMS. SDFWE.
08/03/2019	8/3/2019 INACTIVE
08/04/2019	8/4/2019 INACTIVE
08/05/2019	8/5/2019 PJSM. CP=0 PSI, TP=0 PSI. OPEN RAMS, POOH 150 JTS 3-1/2", LD T/TRAILER. BO LD 2-7/8" X 7" PACKER. PACKER LOOKS GOOD OVER ALL. CPLG ON BTM OF PACKER APPEARS LIKE SOMETHING BROKE OFF. INFO RCVD INDICATED 7" BOT LOK SET PACKER, 2-7/8" X 3-1/2" XO, NIPPLE & 301 JTS. TBG WAS VERY TIGHT T/SFC. HAD T/HEAT WITH SLEDGE, EVERY CONNECTION. HAD T/WORK ON TONGS MULTIPLE TIMES DUE T/TORQUE. MOVE TRAILER W/3-1/2", SI TRAILER W/317 JTS 2-3/8" N-80 WS. TALLY PU & RIH AS FOLLOWS: 6" VAREL TRI CONE, 7" CSG SCRAPER, BIT SUB, SN, 122 JTS – TAG & WORK INTO 7" LINER EASILY AT 3915', CONT RIH T/7004'. CLOSE & LOCK PIPE RAMS, INSTAL TIW W/CAP. WELL SECURE. SDFN.
08/06/2019	8/6/2019 PJSM. CP=0 PSI, TP= 0 PSI. OPEN RAMS, CONT TALLY & PU F/TRAILER, RIH F/7004' W/BIT & SCRAPER T/9324' (293 JTS), PU JT 294 & TAG 6' IN AT 9330'. WORK TBG AT 9330', ATTEMPTING T/GET THRU 9330'. ROTATE (NOT W/PS DUE T/SCRAPER), STILL UNABLE T/GET PAST 9330'. DISCUSS W/OFFICE. POOH T/SFC. ORDER OUT 6" TAPPER MILL & 6" STRING MILL. PU MU MILLS, RIH T/9325'. PU MU POWER SWIVEL W/JT 294, REVERSE CIRC, TAG AT 9330, MILL CHATTERING & START CUTTING. BTMS UP RETURNS ARE SCALE CHIPS. SELECT OIL DISASSEMBLED PAKER, FOUND SEAL ASSEMBLY BAD, MANDREL BAD & 2.75 ID R NIPPLE SCALED T/2-5/16". ORDERING PARTS T/RE-BUILD. D/O SCALE F/9330' T/9334'. CIRC CLEAN, HANG BACK 1 JT W/PS. INSTAL & CLOSE TIW, CLOSE & LOCK PIPE RAMS . LOST 13.5 BBLs WHILE CIRC TODAY. WELL SECURE, SDFN.
08/07/2019	8/7/2019 PJSM. CP=0 PSI, TP=0 PSI. MU JT 294 W/PS, RIH T/9334', PU ENGAGE RIG PUMP & BREAK CIRC (REVERSE), ENGAGE PS D/O F/9334' T/9603'. CIRC CLEAN. LOST 132 BBLs TODAY. HANG BACK PS. POOH 8 STANDS T/9108'. INSTAL TIW W/CAP, CLOSE & LOCK PIPE RAMS. CSG SI, WELL SECURE. SDFN.
08/08/2019	8/8/2019 PJSM. CP=0 PSI, TP=0 PSI. RIH F/9108' T/9603' W/NO ISSUES. POHH, LD 3 JTS, CONT POOH STANDING BACK T/SFC. BO LD MILLS. PU MU 7" RBP & 7" PACKER. RIH, SET

	RBP AT 9500'. PULL & LD 1 JT, SET PACKER AT 9475'. OPEN BYPASS, PUMP 12 BBLS T/BREAK CIRCULATION. PT RBP T/950 PSI – GOOD TEST. RELEASE PACKER, POOH 88 STANDS (176 JTS) T/3944'. ATTEMPT T/SET PKR, UNABLE. ATTEMPT T/SET PKR F/3944' T/4041', UNABLE. POOH T/SFC T/INSPECT PKR. FOUND 1 ELEMENT MISSING & CONTROL NOT FUNCTIONING. SUSPECT KEY WAY BROKE IN CONTROL, BUT WILL HAVE TO TEAR DOWN. FILL HOLE, CLOSE & LOCK BLINDS. WELL SECURE. SDFN.
08/09/2019	8/9/2019 PJSM. CP=0 PSI. FILL HOLE W/3 BBLS. MIRU BLUE JET WL. RUN CBL F/9480' T/SFC. RD WL. PU MU PACKER. RIH T/3944', PT VIA TBG T/700 PSI – PSI FALLS OFF IN LESS THAN 1 MIN. RE-TEST W/SAME RESULTS. CLOSE PIPE RAMS, TEST P-5/8" & 7" ANNULAS F/3944' T/SFC T/715 PSI – GOOD TEST. RIH T/4762' – TEST FAILED. RIH T/5715', PT T/675 PSI – GOOD TEST. POOH T/5204', PT T/700 PSI – GOOD. POOH T/5013', PT T/700 – NO TEST. RIH T/5076', PT T/700 – NO TEST. RIH 5140', PT T/700 – NO TEST. RIH T/5172', PT T/700 – NO TEST & COMMUNICATED W/ANN. PU 8' PJ, PT AT 5180' T/700 – GOOD TEST. POOH T/5156', PT ANN T/700 – NO TEST. POOH T/5140', PT ANN T/700 – NO TEST. POOH T/5076', PT ANN T/700 – NO TEST. POOH T/5017', PT ANN T/700 – NO TEST. DECIDE T/POOH, INSPECT PACKER & UNLOADER. PLAN T/SEND PKR IN & REDRESS. CLOSE & LOCK BLINDS. SDFWE.
08/10/2019	8/10/2019 INACTIVE3
08/11/2019	8/11/2019 INACTIVE
08/12/2019	8/12/2019 PJSM. PUMU SOT 7" PAKER, RIH T/5078'. BREAK CIRC T/FILL (17 BBLS). SET PKR, TEST VIA ANN T/700 – NO GOOD. RIH T/5204', PT VIA TBG T/700 – GOOD TEST. POOH T/5016', PT VIA ANN T/700 – NO GOOD. POOH T/4952', PT VIA ANN T/700 – GOOD TEST. PU RIH 1 JT T/4984', PT VIA ANN T/700 – NO GOOD. POOH 16' T/4968', PT VIA ANN T/700 – GOOD TEST. TESTED GOOD F/5180' DOWN & 4968' UP. BAD CASING BETWEEN 4968' & 5180' (212'). CONSULT W/OFFICE. DUMP 13' SAND ON RBP. POOH T/SFC. CLOSE & LOCK BLINDS. WELL SI & SECURE. SDFN.
08/13/2019	8/13/2019 PJSM. CP= VAC. MIRU BLUE JET WL. RIH PERF GUN, TIE IN W/CBL, SHOT 3 EA .38" SQUEEZE HOLES AT 5170'. POOH, RD & RELEASE BJ WL. PUMU SOT 7" CMT RETAINER, RIH 154 JTS T/4951'. BREAK CIRC T/LOAD HOLE (8.5 BBLS). SET CI CMT RETAINER AT 4951'. PT ANN T/500 PSI – GOOD. MIRU DRAKE ENERGY SERVICES CMT CREW. PJSM. PT LINES T/2265 PSI – GOOD. ENGAGE PUMP T/BREAK DOWN & EST RATE. BROKE AT 700 PSI LEVELED OFF AT 1.5 BPM @ 585 PSI. SD, MIX 15.8 PPG CLASS G, MEIGH & START CMT. W/6 BBLS SLURRY GONE, 1.5 BPM @ 370 PSI. PUMPED 51 BBLS (250 SKS @ 15.8 PPG, 1.16 YIELD) SLURRY AT AVERAGE OF 2 BPM @ 50 PSI. START DISPLACEMENT AT 1.8 BPM AT 120 PSI, W/10 BBLS PUMPED WELL WENT ON VAC., QUIT PUMPING. ADVISED CMT CO HAD ADDITIONAL +/- 175 SKS. MIX 10 BBLS, WEIGH & PUMP ADDITIONAL 39.5 BBLS (193 SKS @ 15.8 PPG, 1.16 YIELD) SLURRY. START DISPLACEMENT AT 1.2 BPM AT 125 PSI, PSI DROPPING. SD AT 8 BBLS, WAIT 15 MIN. RESUME DISPLACEMENT, WELL SUCKS 6 BBLS (14 TOTAL OF 19), SD. WAIT ~25 MIN, WELL SUCKS 2 BBLS, ENGAGE PUMP IN 1ST GEAR, PUMP AT .4 BPM W/PSI WALKING UP, W/19 TOTAL BBLS DISPLACEMENT SD AT 415 PSI. STING OUT OF RETAINER, REVERSE CLEAN. W/19.5 BBLS, SMALL AMOUNT OF CMT IN RETURNS TURNING CLEAN, PUMPED 30 BBLS. POOH, LD 10 JTS, CONT POOH STANDING BACK T/DERRICK. RETAINER SETTING TOOL & STINGER IN GOOD COND. CLOSE & LOCK BLINDS. WELL SI & SECURE. SD TILL THURSDAY.
08/14/2019	8/14/2019 INACTIVE - WOC

08/15/2019	8/15/2019 PJSM. SI TRAILER W/3 DC'S. TALLY, PU MU, 6" JUNK MILL, BS, 6 EA 3-1/2" DC'S, XO, RIH F/DERRICK 74 STANDS, TAG AT 4946'. PUMU PS. START D/O, HAVING ISSUES W/GRANT STRIPPING HEAD RUBBER. REPLACED W/NEW, INVERTED RUBBER & UNABLE T/CONT D/O. CLOSE PIPE RAMS, CIRC CLEAN. RD HANG BACK PS. ND 11" STRIPPING HEAD, STRIP OVER TBG. STRIP OVER 11" X 7-1/16" SPOOL & NU. STRIP OVER DWS 7-1/16" SUPRIUM STRIPPING HEAD & NU. PU MU PS. BREAK CIRC, START RESUME D/O. CONT T/HAVE HIGH PSI. 16:15 DECIDE T/CLEAN UP TBG (REVERSING) & SD FOR THE DAY. WILL RESUME IN AM, D/O THE LONG WAY AROUND T/BETTER CONTROL PSI. POOH LD 1 JT, B/O PS W/1 JT, LEAVE HANGING, EOT = 4917'. INSTAL TIW W/CAP. CLOSE & LOCK PIPE RAMS. WELL SI & SECURE. SDFN.
08/16/2019	8/16/2019 PJSM. CP=0 PSI. RIH F/4917', START D/O CEMENT RETAINER & CEMENT T/5009'. DRILLED RETAINER W/2K ON MILL, TOOK ~4 HRS. CMT HARD, DRILLING MED T/SLOW, D/O W/4K -8K ON MILL. CIRC 2.5 HRS TILL CLEAN - COULD NOT REVERSE DUE T/PSI. POOH 2 JT T/4946'. SECURE WELL, CLOSE AND LOCK PIPE RAMS. SDFN.
08/17/2019	8/17/2019 PJSM. CP=0 PSI. RIH 2 JTS, PU 1 JT, RESUME D/O F/5009'. GOOD HARD CMT T/5172' THEN FELL THRU. CIRC CLEAN F/5201'. BO HANG BACK PS. INSTAL TIW W/CAP. PT VIA CSG T/625, PSI LEVELS OFF AT 620 PSI. FINAL PSI IN 30 MIN 585 PSI WITH LAST 10 MIN F/595 PSI T/585 PSI. PU 2 JTS F/TRAILER, POOH T/SFC. FILL HOLE, SI & SECURE WELL. SDFWE.
08/18/2019	8/18/2019 INACTIVE
08/19/2019	8/19/2019 PJSM. TEST CASING W/DIGITAL GAUGE & WSU PUMP. PUT 590 PSI, HOLD FOR 30 MIN, PSI AT 580 PSI. CALL OCD T/SCHEDULE WITHNESSED TEST. THEY CAN DO TODAY. CALLED EST TRUCK W/CHART, W/O OCD & TEST TRUCK. 11:00 TEST CSG W/OCD WITH OCD WITNESS T/580 PSI. OCD CALLED 575 AS FINAL PSI AFTER 30 MIN - PASSED. PU RBP RETRIEVING HEAD, RIH T/9484'. REVERSE CIRC T/RBP AT 9500', CIRC CLEAN. LATCH & RELEASE RBP. WELL WENT ON VAC. POOH, LD T/TRAILER T/6367'. INSTAL TIW, CLOSE & LOCK PIPE RAMS. WELL SI & SECURE. SDFN.
08/20/2019	8/20/2019 PJSM. CP=0 (VAC). CONT POOH LD 2-3/8" WS T/TRAILER. BO LD RBP. ND 7-1/16" STRIPPING HEAD. NU 11" WASHINGTON HEAD. XO PIPE RAMS F/2-3/8" T/3-1/2". RIH 6 EA DC'S, POOH LD DC'S T/TRAILER. LOAD OUT RENTAL TOOLS. TIE BACK. PREP T/RUN 3-1/2". SWAP 2-3/8" PIPE TRAILER OUT W/3-1/2" PIPE TRAILER. CLOSE & LOCK BLINDS. PACKER NOT READY TILL THIS PM. SDFN.
08/21/2019	8/21/2019 PJSM. TALLY, PU MU 7" LOK SET PACKER. RIH TALLYING 3-1/2" 9.3# N-80 IPC TBG. PICKED UP 153 JTS, SWAP OUT TRAILERS, CONT PU 3-1/2". PU 211 JTS T/6813'. SQUARE SHOULDER COUPLING ON NEW 3-1/2 ARE HITTING ON LT, PACKER HAS SET MULTIPLE TIMES, NO ISSUE RELEASING THUS FAR. CLOSE & LIKE PIPE RAMS, INSTAL TIW W/CAP. WELL SECURE & SI. SDFN.
08/22/2019	8/22/2019 PJSM. CP=0 PSI (VAC). CONT TALLY & RIH F/6813' T/9319.09'KB. RAN & LANDED 3-1/2" IPC INJECTION AS FOLLOWS: 2-7/8" WL ENTRY GUIDE, 2-7/8" X 7" (5.968") A2 LOKSET PACKER, 2-7/8" X 2.28" ID SS SN, 2-7/8" X 3-1/2" XO, 134 JTS (4409.91') NEW L-80 IPC W/SQUARE SHOULDER CPLGS & 158 JTS (4891.41') RE RUN YB N-80 W/BEVELED CPLGS. INSTAL NEW HANGER, REVERSE 395 BBLs PACKER FULD, SET PKR & LAND INJECTION STRING W/20K COMPRESSION - EOT = 9319.09'KN, TOP OF PKR = 9314.69'KB. PRE TEST F/591 PSI FOR 20 MIN, PSI CLIMBED T/614 PSI, DUE T/FLUID

	TEMP INCREASE. ND BOP, NUWH. PREP FOR MIT IN AM. WELL SI & SECURE. SDFN.
08/23/2019	<p>8/23/2019 PJSM. MIRU WELLCHECK. MONICA W/OCD ON LOCATION. COMPLETED BRAIDEN HEAD TEST, MIT & EMERGENCY SD TEST. PSI T/580 PSI, HELD FLAT FOR 30 MIN. RELEASE PSI, ALL APPROVED. RD & RELEASE WELLCHECK. LOAD OUT HTR 11" BOP STACK & RELEASE. RD WSU DWS 32 & RELEASE T/YARD. RETURN WELL T/INJECTION. WSU GOING T/TOWN TODAY. THREE RIVERS WILL HAUL WSU SUPPORT EQUIPMENT SATURDAY & TANKS ON MONDAY.</p> <p>NO VENTING – NON PRODUCER 200 GAL NON WSU FUEL USED ****FINAL REPORT****</p>