<form></form>			RECE	VED	
<form> Products of the form for proposals to drill or to re-enter an abandoned will Uses form 116603 (APD) for such proposals. Products of this form for proposals to drill or to re-enter an abandoned will. Use form 116603 (APD) for such proposals. Products of the form of the proposals of the proposals. Products of the proposals of the proposals of the proposals. Products of the proposals of the proposals of the proposals of the proposals. Products of the proposals of the proposals of the proposals. Proposals of the proposals of the proposals of the proposals of the proposals. Proposals of the proposal</form>	Form 3160-5	MILED STATES	DEC 0 1	2017 OMB N	Io. 1004-0137
Do not use this form foor proposals to drill or to re-enter an abundanced well. Use Form 3100-3 (APD) for such proposals.     SUBMIT IN TRIPLEATE - Other instructions on page 2   I. If Unit of CAAperement, Name addre Na.     1. Type of Well   On Well   Oner     2. Name of Operator   San Juan 27.4 UNIT 55     2. Name of Operator   API Well No.     3. Addres   On Well   On Well     1. Type of Well No.   San Juan 27.4 Unit 55     2. Name of Operator   San Juan 27.4 Unit 55     2. April Well No.   San Juan 27.4 Unit 55     2. Addres   On Operator     1. Conception of Well (Polonge, Size, T.A.M. e. Burrey Decemption)   Disc 4700, Farmington, NM 87499     2. Checktor HE APPROPRIATE BOX(ES) TO INDICATE INATURE OF NOTICE, REPORT OR OTHER DATA     TYPE OF SUBMISSION   TYPE OF ACTION     I. Contigor of Well (Polonge, Size, T.A.M. e. Burrey Decemption)   II. Contigor of Well No.     I. Contigor of Well Polonge, Size, T.A.M. e. Burrey Decemption   II. Contigor of Relin Abundament Network     I. Contigor of Well (Polonge, Size, T.A.M. e. Burrey Decemption   II. Contigor of Relin Abundament Network     I. Control to Competitol of Abundament Network   Peratorian (Saur Test and Saur Abundament Network)     I. Berche Proposed of Completad Operation.   Production (Saur			Farmington F	5. Lease Serial No. eld Office S	F-080673
1. Type of Well   Other   Start Law 27-4 UNIT     2. Name of Operator   Start Law 27-4 UNIT   Start Law 27-4 UNIT 55     2. Name of Operator   APT Well Name and Name   Start Law 27-4 UNIT 55     3. Address   PO Box 4700, Farmington, NM 87499   Stor5599-3400   D. Field and Pool or Exploratory Area     4. Laction of Well (Poolege, Ker, T.R.M. or Simry Discription)   Stor5599-3400   D. Field and Pool or Exploratory Area     Sturface   Unit G (Stork, B., T.R.M. or Simry Discription)   I. Country or Putikis, State   Reclamation     Sturface   Unit G (Stork, B., T.R.M. or Simry Discription)   I. Country or Putikis, State   New Mexico     12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA   TYPE OF SUBMISSION   New Castronica     13. Decision Fatter   Indicize   Decon   Reclamation   Other     13. Subsequent Roport   Casing Paris   Dive Construction   Reclamation   Other     14. Thereby certify that the foregoing is true and correct. Name (Phythed/Dysed)   Extender true and annex. Attach the boal under which have will be performed equelos the field while Study and all performed materia. In Study and all performed material and annex which have will be operation scale in an annifice congletion and environmental, for waterial construction annexequel and true whichand the operation is high whave will be ope	Do not use this form	for proposals to drill or to re-	enter an		
Image: and operator   9. API Well Nume and Num.     31. Address   9. API Well Num.     32. Address   9. API Well Num.     33. Address   9. API Well Num.     34. Address   10. Fledd and Pool of Exploring Num.     Strafface   Unit G (SWNE), 1700 FNL & 1730 FEL, Soc. 5, T27N, R4W     12. Checkor THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA     TYPE OF SUBMISSION   TYPE OF ACTION     Indicator Barter Strafface   Andres     Indicator Barter Strafface   Andres     Indicator Barter Strafface   Andres     Indicator Barter Strafface   Andres     Indicator Barter   Andres     Indistonment Noise   Andreanted Str		ICATE - Other instructions on page 2			
But Records   30-039-20321     3a. Advent   10. Field and Peol or Exploratory Area     Blanco Messaverde/Basin Dakota     1. Listion of Wall (Rosenge, See, T.R.M., or Share) Description   11. Country of Fails, Sate     Surface   Unit G (WNNE), 1700 PINL & 1750 FELL, See, 5, 127N, RAW   11. Country of Fails, Sate     1. VPE OF SUBMISSION   12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA     TYPE OF SUBMISSION   Acidate   Production (Start/Resum)   West Integrity     Subsequent Report   Casing Repair   InterCasing Start Resum   West Integrity     Subsequent Report   Casing Repair   Resonance   Subsequestinte		Other	;		an 27-4 Unit 55
PD Box 4700, Farmington, NM 37499   505-599-3400   Blancom Keasverde/Basin Dakota     1. Location of Wall (Roange, See, T.R.M. or Survey Decription)   11. Country or Parito, State     Wind action of Wall (Roange, See, T.R.M. or Survey Decription)   11. Country or Parito, State     1.2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTLE, REPORT OR OTHER DATA   TYPE OF SUBMISSION     1.2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTLE, REPORT OR OTHER DATA   West Integrity     1.3. Detector function   Anter Casing   Prearuer Treat   Prearuer Treat   Prearuer Treat   West Integrity     1.3. Detector Exposer or Complete Operation: Cleany state all performed dealts, including estimated attarting date of any proposed work and provokinate duration and chandon   Trenporatrily Attache   Other   Plag Back     1.4. Interche Proposer or Complete Operation: Cleany state all performed dealts including estimated attarting date of any performation and performed dealts including estimated interning date of any performation and performed periods the Book No. on file with BLMEMA. Regulard subsequent reports marks and anone. Aritech the bolt and within the verk will be performed or periods the Book No. on file with BLMEMA. Regulard subsequent reports marks and Anone. Affect with a langeetion.)     1.4. Interche vertify that the foregoing is true and correct. Name (Printed/Typed)   Tate   Operations/Regulatory Technician - Sr.     1.4. Interche vertify that the foregoing is true and correct. Name (Printed/Typed) <td></td> <td>Energy Company</td> <td colspan="2"></td>		Energy Company			
Surface   Unit G (SWNE), 1700' FNL & 1750' FEL, Sec. 5, TZ7N, R4W   Rio Arriba   New Mexico     12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA     TYPE OF SUBMISSION   Image: Description of the involve of the indice of the involve of the indice of the involve of the involve of the indice of the involve of the indice of the involve of the indice of the involve of profile the Box of the of the involve of end of			, , ,		
TYPE OF SUBMISSION   TYPE OF ACTION     Notice of Intent   Acidize   Production (Start/Resume)   Water Shux-Off     Alter Casing   Preture Trait   Reclamation   Well Integrity     Clamge Plans   Plug and Abandon   Proposal is to depen directionally give substrated class, including estimated starting date of any proposal work and approximate duration thereof.   The proposal is to depen directionally or recomplete horizonally, give substrate locations and measured and true vertical depths of all pertinent markers and zones.     Attach the hour durate which the vertice work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. on file work will be performed or provide the Bod No. On file work will be performed or provide the Bod No. On file work will be performed or provide the Bod No. On file work will be performed and which the Bod No. On file work will be performed or provide the Bod No. On file work will be performed or provide the Bod No. On file work will be performed or provide the Bod No. On file work will be performed or provide the Bod No. On file work will be performed Notes was the filed only after all requirements, including reclamation, have been completed from the apple the Advance will be performed Partice and the Bod No. On file work will be performed Partice and the Bod No. On file work will be performed Parthet Bod Not Performed Partice and Performed Partice and				and the second sec	, New Mexico
Image: Subsequent Report   Image: Subseque		RIATE BOX(ES) TO INDICATE N			ER DATA
14. Ihereby certify that the foregoing is true and correct. Name (Printed/Typed)     14. Ihereby certify that the foregoing is true and correct. Name (Printed/Typed)     15. Signature     16. Interpret to the foregoing is true and correct. Name (Printed/Typed)     17. Interpret to the foregoing is true and correct. Name (Printed/Typed)     17. Interpret to the foregoing is true and correct. Name (Printed/Typed)     18. Interpret to the foregoing is true and correct. Name (Printed/Typed)     19. Interpret to the foregoing is true and correct. Name (Printed/Typed)     19. Interpret to the foregoing is true and correct. Name (Printed/Typed)     19. Interpret to the foregoing is true and correct. Name (Printed/Typed)     10. Interpret to the foregoing is true and correct. Name (Printed/Typed)     10. Interpret to the foregoing is true and correct. Name (Printed/Typed)     10. Interpret to the foregoing is true and correct. Name (Printed/Typed)     11. Intereby certify that the foregoing is true and correct. Name (Printed/Typed)     11. Intereby certify that the foregoing is true and correct. Name (Printed/Typed)     12. Intereby certify that the foregoing is true and correct. Name (Printed/Typed)     13. Interpret to the printed to the foregoing is true and correct. Name (Printed/Typed)     14. Interpret to the foregoing is true and correct. Name (Printed/Typed)     15. Interpret to the foregoing is true and correct. Name (Printed/Typed)					
Image: Search Proposed or Completed Operation: Clearly state all pertinent deals, including estimated starting date of any proposed work and approximate duration thereof. If the proposed is to deepen directionally or recomplete horizontality, give substruction, give sources and subsequent reports must be filed within 30 days following completion or the work all days of all pertinent deals, including estimated and the work and approximate duration thereof. If the proposed or provide the Bond No. on file with BLMBLA. Required withs of all pertinent does and the operator reports must be filed within 30 days following completion or the invited on strate on the operator and the operator has determined that the site is ready for final inspection.     Please see attached   Image: Completion of the does of the operator of the operator has determined that the site is ready for final inspection.     14. 1 hereby certify that the foregoing is true and correct. Name (Printed/Typed)   Tatle     Signature   Image: Completion of the does of the operator operator has a state operator has determined that the site is ready for final inspection.     Signature   Image: Completion of the does of the operator operator has a state operator has a state operator has determined that the foregoing is true and correct. Name (Printed/Typed)     Tatle   Operations/Regulatory Technician - Sr.     Signature   Image: Completion of the application of the subject lease which would on the application of the application of approval, if any, are attached. Approved of this notice does not warrant or certify the the application has determined by and the subject lease which would on the application of the applicating the subject lease which would on the application th	X Subsequent Report	ing Fracture Treat epair New Constructi	on X Re	clamation	Well Integrity
13. Describe Proposed or Completed Operation: Clearly state all pertinent dealls, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontality, 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 Bod No. on file with BLMBA. Required subsequent reports must be filed oning 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 thas been completed. Final Abandment 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   CEPTIFICTOR RECORD     Life Operations/Regulatory Technician - Sr.   June 10-20-112     Signature   June Operations/Regulatory Technician - Sr.     Signature   Title   Operations/Regulatory Technician - Sr.     Approved by   Title   Operations/Regulatory Technician - Sr.     Title   Operations of approval, if any, are attached. Approval of this notice does not warrant or certify the to apple the topol whereau and correct in the subject lease which would office					
Etta Trujillo   Title   Operations/Regulatory Technician - Sr.     Signature   June   11-30-12     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	Please see attached		FAPMI FAPMI	COSCIENCE OF CORD	
Signature   Date     III-30-12     THIS SPACE FOR FEDERAL OR STATE OFFICE USE     Approved by   Title     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	14. I hereby certify that the foregoing is true and correct.	Name (Printed/Typed)			
Signature   Date     THIS SPACE FOR FEDERAL OR STATE OFFICE USE     Approved by   Title     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.     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	Etta Trujillo	Title	Operations/Re	gulatory Technician -	Sr.
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	Signature SetAling	A Date	11-30-1	1	
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	тн	IS SPACE FOR FEDERAL OF	R STATE OFFI	CEUSE	
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. 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	Approved by		Title		Data
	that the applicant holds legal or equitable title to those rig entitle the applicant to conduct operations thereon.	hts in the subject lease which would	Office		
			CDPV	o make to any department or a	agency of the United States any

## SAN JUAN 27-4 UNIT #55 (Recomplete) API 3003920321 Blanco MV/Basin DK

١

9/22/17 - MIRU. CK PRESSURES. N/D WH. N/U BOP. TEST BOP. TOOH W/2-3/8" TBG. SIW. SDFWE.

9/25/17 – TIH W/4-1/2" SCRAPER TO 6525'. TOOH W/SCRAPER. TIH W/4-1/2" CIBP AND SET AT 6525'. TOOH. R/U WL. PRTST CSG TO 1000 PSI. NO TEST. R/D WL. PRTST CSG TO 1000 PSI. NO TEST. POSSIBLE WH LEAK. SIW. SDON.

9/26/17 - LOAD CASING W/ 3.5 BBL AND TEST (NO TEST). RUN CBL FROM CIBP @ 6,525' TO SURFACE (TOC @ 4,730'). PICK UP TENSION PKR AND SET AT 255', PT FAILED. TEST TBG ANNULUS, LEAK AT THE BOTTOM OF TBG HEAD (80 PSI/MIN). TIH W/ PACKER TO 3,099' CIRC'D UP 4.5"X 7" ANNULUS. TIH TO 4,152', CIRC'D UP TBG ANNULUS. SAME RESULT AT 4,708', 4,769', 5,637', AND 6,502'. SUSPECT HOLE IN TBG OR FAILED PKR. TOOH W/ PKR AND INSPECT (LOOKS GOOD). SDON.

9/27/17 - TIH W/ PKR TO 2175', TEST TBG - FAILED, LOOK FOR HOLES IN TBG, START LD TBG STRING TO REPLACE WITH NEW. SDON.

9/28/17 – TOOH W/TBG. ND BOP. WELD ON 4-1/2" CSG STUB. NU 5K TBG HEAD. NU BOP. PU PKR AND 1 TBG JT, TIH TO 30', AND TEST WHD TO 800 PSI - GOOD TEST. SDON.

9/29/17 - TIH PKR ON TBG SET @ 5011'. TEST CSG F/5011' T/6525' @ 1950# FOR 15 MINS. GOOD TEST. RLS PKR AND SET @ 4206'. TEST CSG F/4206' T/6525' AT 1000 PSI FOR 5 MIN. GOOD TEST. RLS PKR AND SET @ 4022'. TEST TBG/CSG TO 1050 PSI FOR 5 MIN. GOOD TEST. RLS PKR AND SET @ 4053'. TEST TBG/CSG. NO TEST. **NOTIFIED WILLIAM TAMBEKOU** (BLM) AND CHARLIE PERRIN (OCD) – REQUEST PERMISSION TO SQZ HOLES IN 4-1/2" CSG @ 4022' – 4206'. VERBAL APPROVAL RECEIVED. SDON.

10/2/17 - TOOH W/ PKR. TIH W/ 4 1/2" CICR TO 3985'. LOAD CSG W/16 BBLS. PT & CIRC 380 PSI @ 2 BPM UP 7"ANNULUS. RU HALLIBURTON. PUMP 60 SX CLASS G NEAT W/ 2% CACL2. DISPLACE W/ 15.4BBLS. STING OUT. REVERSE TBG CLEAN W/ 20.0BBLS. TOOH W/ STINGER. TIH W/3 7/8" TWISTER BIT 30 STANDS. SIW. SDON.

10/3/17 - TIH & TAG CICR @ 3985'. SWIVEL UP. D/O TO 4108' AND FALL OUT OF CMT. TEST CSG. (FAILED: 0.85BPM @ 600PSI RATE). TOOH W/ 3 7/8" BIT. TIH OPEN ENDED TO 4261.42'. MIX AND PUMP 25.5SX CLASS G NEAT W/ 2%CACL2 AS BALANCED PLUG. PULL ABOVE CMT AND REVERSE TBG CLEAN. HESITATE SQZ GAINING 1.0 BBLS. SIW W/ 800PSI. SDON.

10/4/2017 - TIH W/ 3 7/8" BIT & TAG TOC @ 3981'. SWIVEL UP AND D/O CEMENT TO 4251'. ATTEMPT TO TEST CSG. (TEST FAILED, 600PSI TO 250PSI IN 15 MIN). SWIVEL DOWN & TOOH W/ BIT. SIW. SDON.

10/5/2017 - TIH W/4 1/2" TENSION PKR AND SET @ 4100'. ATTEMPT TO TEST CSG. (TEST FAIL AFTER MULTIPLE ATTEMPTS, 570PSI TO 380PSI IN 5 MIN). FOUND SLOW LEAKS BTW 4205' TO 4051'. TOOH W/ PKR. TIH OPEN ENDED TO 4228'. READY LOC FOR SQZ TOMORROW. SIW. SDON.

10/6/2017 - RU CMT EQUIP. SPOT BALANCED PLUG F/4228' T/3920'. MIX AND PUMP 30 SX, ULTRA FINE GROUT @ 12.5PPG/0.92 YIELD W/1.3 LBS HR5 RETARDER. (5.04 GPS, 4.9BBLS SLURRY). DISPLACE W/14.5 BBLS AS A BALANCED PLUG. PULL OUT OF CMT AND REVERSE TBG CLEAN. SIW AND REGULATE PRESSURE @ 800PSI. SEC LOC. WOC OVER WKND.

10/9/2017 - TOOH W/ OPEN ENDED TBG. TIH W/ 3 7/8" BIT & TAG TOC @ 4047'. SWIVEL UP AND DRILL OUT CMT. SIW AND TEST CSG TO 640PSI. (TEST GOOD, NO BLEED OFF). TOOH W/ BIT. RU WL AND RUN CBL F/5150' T/3000'.TIH W/ 4 1/2" CSG SCRAPER TO 5067'. TOOH W/CSG SCRAPER. LOAD CSG W/ H2O. SIW. SDON.

10/10/2017 - WAIT ON NMOCD REP. NMOCD REP THOMAS VERMERSCH WITNESSED MIT TEST CSG TO 555PSI. (TEST GOOD). PERF'D POINT LOOKOUT AND LOWER MENEFEE w/.34" diam.-1SPF @ 6192', 6187', 6140', 6138', 6136', 6096', 6094' 6060', 6056', 6056', 6054', 6040', 6038', 6028', 6026', 6024', 6020', 6016', 6012', 6004', 5998', 5886', 5884', 5882',

**5878', 5874' = 25 HOLES.** TIH W/ 2 7/8" L-80 FRAC STRING W/ STANDING VALVE IN, SPACE OUT AND LAND @ 5020'. RD RIG FLOOR / 2 7/8" HANDLING TOOLS. ND BOP STACK. NU FRAC STACK. PRESSURE TEST STRING AND STACK TO 9000PSI. (TEST GOOD). ATTEMPT TO PULL STANDING VALVE. JARRING ON STANDING VALVE). SIW. SDON.

10/11/2017 - N/D FRAC STACK, N/U BOP, UNSET PKR AND PULL FRAC STRING. RETRIEVE STANDING VALVE AND ~800' OF SAND LINE. RE-RUN FRAC STRING WITH R-NIPPLE ABOVE PKR. SET PKR, LAND FRAC STRING, N/D BOP, N/U FRAC STACK. TEST FRAC STRING AND STACK TO 9,000 PSI FOR 15 MINS. R/U COBRA SLICKLINE, RIH AND LATCH ONTO AND RETRIEVE R-PLUG. RD COBRA SLICKLINE. PREP TO MOVE.

11/3/2017 - MOVE IN AND SPOT HALLIBURTON FRAC AND BASIN WIRELINE EQUIPMENT. RIG UP. SDFN.

11/4/2017 - PRIME & TEST FLUID LINES, TESTED TO 9,800 PSI (GOOD). PRESSURE BACKSIDE OF FRAC STRING TO 200 PSI (BLED OFF), RE-PRESSURE BACKSIDE (BLED OFF), OPEN FRAC VALVE, PUMP DOWN FRAC STRING AT 2 BPM. COMMUNICATING TO BACKSIDE. R/D AND RELEASE CREWS.

11/7/2017 –RIG UP. BDW. N/D FRAC STACK. ATTEMPT TO PT 2 7/8" - 4 1/2" ANNULUS. PRESSURE UP TO 500 PSI AND PRESSURE BLEED OFF TO 0 PSI IN 1 MIN. ANNULUS COMMUNICATING TO FRAC STRING. UNSET PKR. MOVE PKR UP HOLE 30'. ATTEMPT TO SET PKR. UNABLE TO SET PKR. N/U BOP. R/U FLOOR. FUNCTION TEST BOP. PT BOP (GOOD). TOH W/ 2 7/8" TBG. L/D PKR. RUN "R" NIPPLE TO TOWN. SET AND PT PLUG IN "R" NIPPLE. SISW. DEBRIEFED CREW, SDFN.

11/8/2017 - BDW. P/U NEW PKR AND "R" NIPPLE. TIH W/ 2 7/8" FRAC STRING. LAND FRAC STRING. R/D FLOOR. N/D BOP. PULL HANGER. SET PKR W/ 5K TENSION. LAND FRAC STRING. LOAD AND PT 2 7/8" TO 4 1/2" ANNULUS TO 500 PSI (GOOD). BDW. N/U FRAC STACK. LOAD AND PT FRAC STRING TO 7000 PSI FOR 10 MIN (GOOD). RAISED PT TO 9000 PSI FOR 5 MIN (GOOD). R/U SLKL. RETRIEVE "R" PLUG. R/D SLKL. EST INJ RT DOWN FRAC STRING OF 6 BPM AT 1400 PSI (NO COMMUNICATION IN 2 7/8" TO 4 ½" ANNULUS). R/D RIG AND EQUIPMENT. PREP FOR RIG MOVE IN THE MORNING. JOB COMPLETE.

11/9/2017 - MIRU BASIN WIRELINE CREW. DISMANTLE, MOVE AND RECONSTRUCT WELLHEAD PLATFORM, MIRU HALLIBURTON FRAC CREW. SDFN.

11/10/2017 - FRAC STAGE 1 - ACIDIZED WELL WITH 500 GAL 15% HCL. FOAM FRAC'D POINT LOOKOUT / LOWER MENEFEE WITH 4,970 LBS 100 MESH AND 120,710 LBS 40/70 ARIZONA. 43,323 GAL SLICKWATER (HES - HI VIS) AND 1.61 MILLION SCF N2. 69 QUALITY. AVG RATE = 46 BPM, AVG PSI = 7,531. TRACED WITH PRO-TECHNICS...RA AND GAS TRACERS. WAIT ON INFLATABLE PKR. BLEED OFF BACKSIDE, RELEASE FRAC CREW.

11/11/2017 - RIG UP BASIN WIRELINE, RIH WITH SINKER BARS TO 5,880', POOH. RIH AND SET CEMENT BASKET @ 5841', POOH. RIH WITH DUMP BAILER AND RELEASE 16/30 CARBO PROP, POOH. WIRE BROKE IN BAILER...RE-LOAD AND RE-RUN 16/30 CARBO PROP, POOH. MAKE 2 MORE BAILER RUNS TO PLACE 10' OF CEMENT ON TOP OF BASKET. SISW.

11/12/2017 - R/U BASIN WIRELINE. TAG CMT PLUG W/ SINKER BARS AT 5,825'. BLEED WELL DOWN, PLUG HOLDING. LOAD THE HOLE WITH FLUID. PERF'D CLIFF HOUSE (UPPER & MASSIVE) / MENEFEE, 6 FPS, 60 deg PHASING, 0.13", 144 HOLES, TOP 5608' – BOTTOM 5792'. PRIME & TEST. OPEN WH AND DO ACID JOB ON PERFS. APPLY 200 PSI TO BACKSIDE OF FRAC STRING. FRAC STAGE 2 - ACIDIZED WELL WITH 500 GAL 15% HCL. FOAM FRAC'D CLIFFHOUSE / UPPER MENEFEE WITH 4,110 LBS 100 MESH AND 107,430 LBS 40/70 ARIZONA. 40,378 GAL SLICKWATER (HES - HI VIS) AND 1.22 MILLION SCF N2. 69 QUALITY. AVG RATE = 40 BPM, AVG PSI = 6,994. TRACED WITH PRO-TECHNICS...RA AND GAS TRACERS. SHUT WELL IN WITH 1,500 PSI. R/D AND RELEASE CREWS.

11/13/2017 - R/U MVCI FLOWBACK CREW. OPEN WELL TO FB TANK ON 3/4" CHOKE AT AVG PSI = 237. WELL RETURNED 275 BBLS OF FLUID TODAY. SDFN.

11/14/2017 – OPEN WELL TO FB TANK ON ¾" CHOKE AT AVG PSI = 261. MADE 96 BBLS OF WATER. INCREASE CHOKE TO 1" AT AVG PSI = 150. MADE 22 BBLS OF WATER. SDFN.

11/15/2017 - 800 PSI ON TUBING. OPEN WELL ON 1" CHOKE AT 150 PSI UNTIL 14:00. SHUT WELL IN AT 600 PSI. CLIFFHOUSE MADE 40 BBL OF WATER TODAY. R/U SLICKLINE, RUN 2.25" GR TO R NIPPLE, POOH. RIH & SET R PLUG IN NIPPLE, POOH. BLOW DOWN TUBING (PLUG HOLDING). RELEASE CREWS.

11/16/2017 – MIRU. SPOT ALL EQUIPMENT. RU CLOSE LOOP. ND FRAC STACK. PULL HANGER AND STRIP ON BOP STACK. RU RIG FLOOR / 2 7/8" HANDLING TOOLS. RELEASE PKR. (NO FLOW ON WELL). PULL UP AND RE-LAND HANGER. CHART TEST BOP STACK. (LOW 250PSI / HIGH 2500PSI TEST GOOD). TOOH W/ 25 JNTS. SIW. SECURE LOCATION. SDFN.

11/17/2017 - BLEED DOWN WELL. (WELL FLOWING @ 350 PSI THROUGH 1.5" CHOKE). COLLECT GAS SAMPLES. TOOH W/ FRAC STRING / LD PKR. MU 3 3/4" TWISTER BIT. TIH TO 3000'. FLOW TEST MV @ 16:00 HRS. SIW. SECURE LOCATION. SDFN.

11/18/2017 – (SICP-700PSI, SITP-0PSI) TIH AND TAG TOP OF CMT PLUG @ 6025'. (PLUG SLID DOWN DURING FRAC FROM 5814'). DRILL OUT F/6025' T/ 6213' (D/O CMT PLUG @ 6062'). DRY UP WELL. TOOH TO 5389'. SIW. SECURE LOCATION. SDFN.

11/19/2017 - TIH TO 5800'. MONITOR FLOW TEST ON OPEN MENEFEE PERFS. TIH. TAG TOP OF FILL @ 6230'. TIE BACK / SWIVEL UP. C/O SAND TO CIBP. D/O CIBP @ 6525'. TIH TO 6646'. TOOH 7 STANDS AND REMOVE STRING FLOAT. TIH / PU TBG TO 8000'. SIW. SECURE LOCATION. SDFN.

11/20/2017 TIH AND TAG 5' FILL @ 8257' (PBTD @ 8262'). TOOH W/BIT. KILL WELL. ND BOP. NU WL LUBRICATOR. RUN SPECTRALOG FOR TRACERS. RD WL. NU BOP. SIW. SECURE LOCATION. SDFN.

11/21/2017 – KILL WELL 20BBLS. TAG 35' OF FILL @ 8227'. SWIVEL UP. TEST TBG AND PUMP CHECK. UNLOAD WELL. D/O TO 8248'. SIW. SECURE LOCATION. SDFN.

11/22/2017 – TIH, TAG 24' OF FILL @ 8238' (10' OF FILL OVERNIGHT, PBTD @ 8262'). ADJUST LANDING DEPTH & LAND EOT @ 8185' (TOP OF SN @ 8183') w/260 jts 2-3/8", 4.70#, J-55. RD 2-3/8" HANDLING TOOLS / RD RIG FLOOR. ND BOP STACK. NU WH. RD UNIT AND EQUIPMENT. MOVE ALL EQUIPMENT OFF LOCATION. SECURE LOCATION. SDON. RELEASE UNIT.

## Well now a MV/DK commingle per DHC 3783AZ

. . .