	UNITED STATE DEPARTMENT OF THE I	NTERIOR	OMB	1 APPROVED NO. 1004-0137 January 31, 2018
	BUREAU OF LAND MANA		5. Lease Serial No.	······································
Do not use t	Y NOTICES AND REPO this form for proposals to rell. Use form 3160-3 (AP	drill or to re-enter an	6. If Indian, Allottee	r NM93771 or Tribe Name
	I TRIPLICATE - Other ins		7. If Unit or CA/Ag	eement, Name and/or No
1. Type of Well ☐ Oil Well ☐ Gas Well ⊠ G	Other: INJECTION		8. Well Name and No RITZ FEDERAL). 4
2. Name of Operator RAY WESTALL OPERATIN	Contact: G, INC. E-Mail: hope_rene	RENE HOPE e@yahoo.com	9. API Well No. 30-015-25142	
3a. Address PO BOX 4 LOCO HILLS, NM 88255		3b. Phone No. (include area code) Ph: 575-677-2372	10. Field and Pool o SHUGART Y-	r Exploratory Area SR-Q-GB-SA
4. Location of Well <i>(Footage, Sec.,</i>	T., R., M., or Survey Description	ı)	11. County or Parish	, State
Sec 35 T18S R30E Mer NM 32.708763 N Lat, 103.94097		CCD-ARTES		°Y, NM
12. CHECK THE	APPROPRIATE BOX(ES)	TO INDICATE NATURE O	F NOTICE, REPORT, OR OT	HER DATA
TYPE OF SUBMISSION		TYPE O	FACTION	
☑ Notice of Intent	☐ Acidize	Deepen	□ Production (Start/Resume)	U Water Shut-O
-	□ Alter Casing	Hydraulic Fracturing	Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete	Other
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon	
	Convert to Injection	Plug Back	Water Disposal	
determined that the site is ready for	r final inspection.	ed only after all requirements, inclus	Permit SWD-1676	
1) MIRU PU, remove horset 2) Sqz existing perfs from 33 3) DO & CO; test casing/ sq 4) RIH w/ gauge ring, junk b 5) RU Wireline Service; Perf 6) Run Swab and Test for H 7) Acidize w/ 750-2500 gals	314? - 42? z perfs to 500 psi/ 30 minu asket to TD @ 3972?. f 3726? to 3794?; 4 jspf. C	tes. CEP_BLM e hole clean. packer or equivalent on 2.875		CHED FOR OF APPROV
equiv. tubing w/ PKR @362 oxygen scavenger down and	nulus, set packer. Prepare	to run MIT test and notify BLM	& OCD to witness	SIA DISTRICT
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NMSCD	nulus, set packer. Prepare		& OCD to witness	
equiv. tubing w/ PKR @362 oxygen scavenger down and	is true and correct. Electronic Submission # For RAY WEST	to run MIT test and notify BLN 380031 verified by the BLM We ALL OPERATING, INC., sent to	AUCD to witness AUC AUC Information System RE	SIA DISTRICT
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NMSCD	is true and correct. Electronic Submission # For RAY WEST, Committed to AFMSS for	to run MIT test and notify BLN CF HIPHINE AND	AUCD to witness AUC AUC Information System RE	SIA DISTRICT
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NWSCO (14. Thereby certify that the foregoing Name (Printed/Typed) BEN ST	is true and correct. Electronic Submission # For RAY WEST, Committed to AFMSS for	to run MIT test and notify BLN CF HIPPOND AND AND AND AND AND AND AND AND AND A	AUC AUC AUC AUC AUC AUC AUC AUC	SIA DISTRICT
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NWSCO (14. Thereby certify that the foregoing Name (Printed/Typed) BEN ST	tis true and correct. Electronic Submission # For RAY WEST Committed to AFMSS for ONE	to run MIT test and notify BLN CF HILLOWS 380031 verified by the BLM We ALL OPERATING, INC., sent to or processing by PRISCILLA PE Title AGENT	AUC AUC AUC AUC AUC AUC AUC AUC	SIA DISTRICT
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NWSCO (14. Thereby certify that the foregoing Name (Printed/Typed) BEN ST	tis true and correct. Electronic Submission # For RAY WEST Committed to AFMSS for ONE	to run MIT test and notify BLN CF HIHAVE-N 380031 verified by the BLM We ALL OPERATING, INC., sent to by PRISCILLA PE Title AGENT Date 06/28/2 OR FEDERAL OR STATE	AUC AUC AUC AUC AUC AUC AUC AUC	SIA DISTRICT 2 9 2017 CEIVED VED
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NWSCO (14. I hereby certify that the foregoing Name (Printed/Typed) BEN ST Signature (Electroni	c Submission)	to run MIT test and notify BLN CF HIPHINE ALL B380031 verified by the BLM We ALL OPERATING, INC., sent to or processing by PRISCILLA PE Title AGENT Date 06/28/2 OR FEDERAL OR STATE Title TPE	AUC AUC AUC AUC AUC AUC AUC AUC	SIA DISTRICT 2 9 2017
equiv. tubing w/ PKR @362 oxygen scavenger down and SEE NWSCO (14. I hereby certify that the foregoing Name (Printed/Typed) BEN ST Signature (Electroni	hulus, set packer. Prepare CONDITIONS is true and correct. Electronic Submission # For RAY WEST/ Committed to AFMSS for ONE c Submission) THIS SPACE For hed. Approval of this notice doe equitable title to those rights in the duct operations thereon.	to run MIT test and notify BLM CF HIPHONE N All OPERATING, INC., sent to by PRISCILLA PE Title AGENT Date 06/28/2 OR FEDERAL OR STATE s not warrant or e subject lease Office	AUC AUC AUC AUC AUC AUC AUC AUC	SIA DISTRICT 2 9 2017 CEIVED IVED Date 07/3 MANAGEMENT

۰

·

(Instructions on page 2) ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #380031 that would not fit on the form

32. Additional remarks, continued

24 hours in advance.

Build injection facility and commence water disposal. Limit injection pressure to 783 psi. Run injection profile within two years of start date.

OPERATOR IS PREPARED TO RIG UP UPON APPROVAL OF THIS SUNDRY.

NMOCH CONDITIONS SwD 1676 REQUIRES SQUEEEE CEMENTING THE CURRENT PRODUCTON PORTRATIONS, SHALL CONDUCT REMODIAL CEMENTING OF THE 51/2-IN CH PRODUCTION OBSING FROM APPLOXIMATELY 3000' TO SURFACE! You must in chips THIS IN YOUR PROCEDURE RI- NMOCO 8/30/19



0

WELL SCHEMATIC - CURRENT Ritz Federal Well No.1

API 30-015-25142 890' FNL & 2110' FEL, SEC. 35-T18S-R30E EDDY COUNTY, NEW MEXICO

GL 3424'

Z

Well on Pump

521'

2000

STATES OF

12.2

CL.F

DTD @ 3972'

•

Shugart; Yts-7 Rs-Qu-Grayburg (56439)

Spud Date: 1/01/1985

<u>Surface Casinq</u> 8.625" Csg. (17.5" Hole) @ 521' 300 sx - 40 sx Circulated to Surface

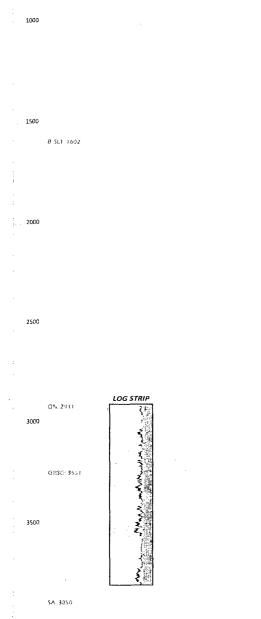
RANNIDSTALLOPPERATING VINCE

2016	Oil	Gas	Water
Jan	1	0	11
Feb	2	0	16
Mar	0	0	5
Apr	1	0	11
May	0	0	0
Jun	1	0	11
Jul	6	0	5
Aug	16	0	16
Sep	1	0	96
Oct	9	0	130
Nov	2	0	104
Dec	10	0	209
Total:	49	0	614

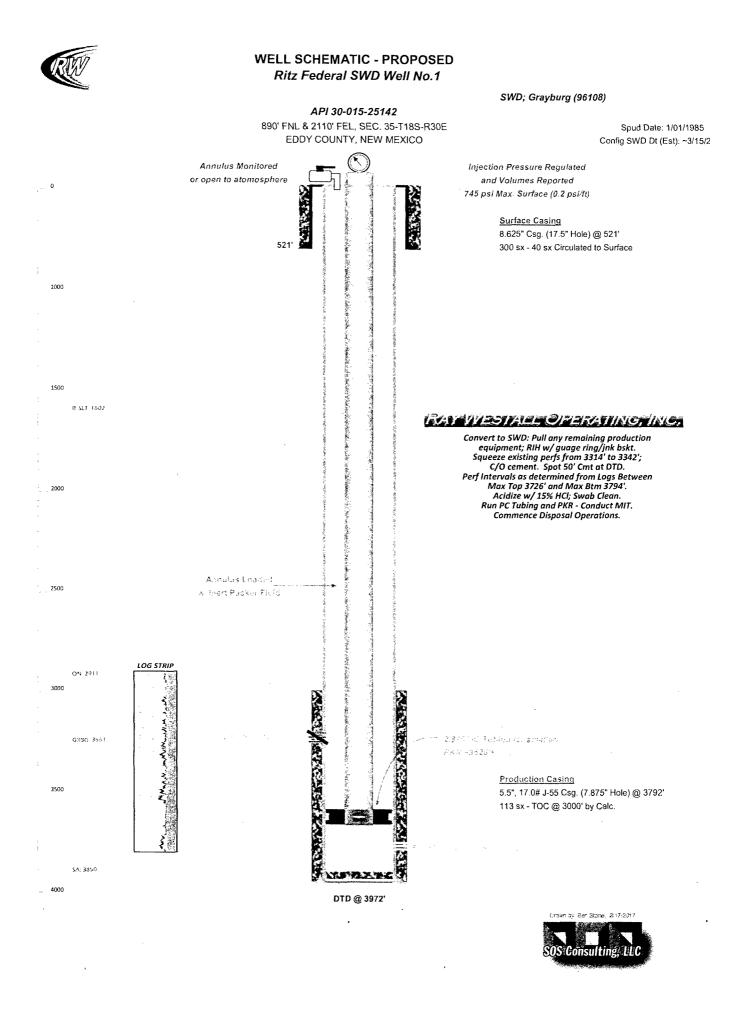
- 28481 Talves & 1943

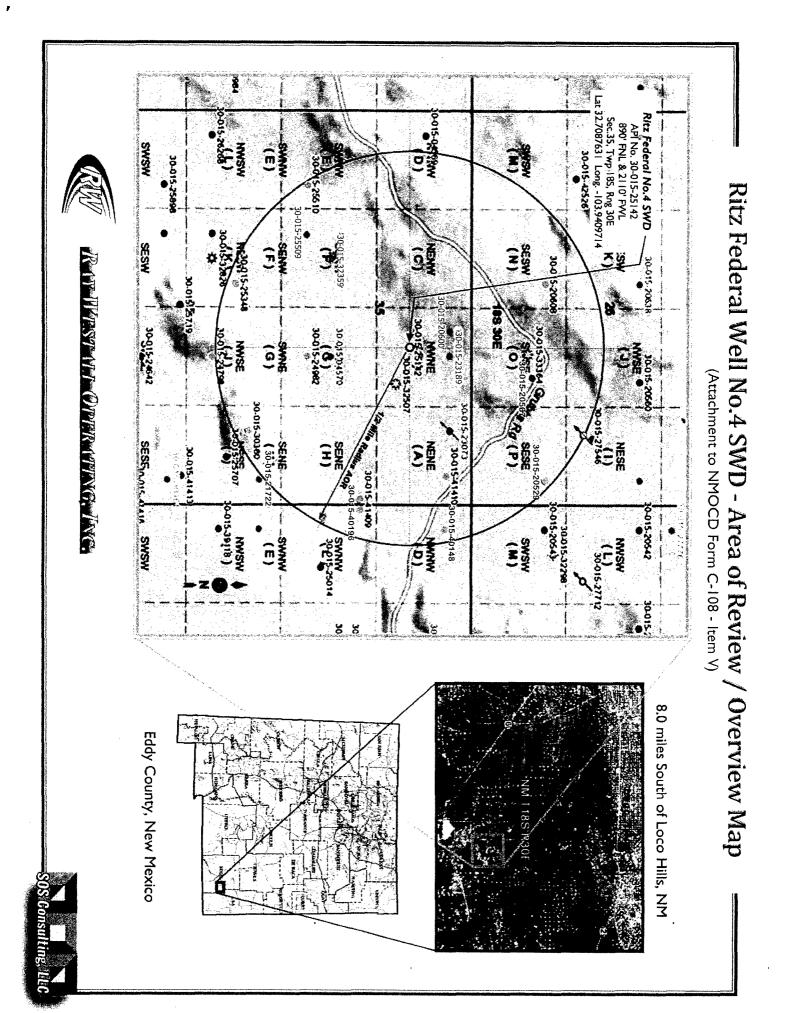
Production Casing 5.5", 17.0# J-55 Csg. (7.875" Hole) @ 3792' 113 sx - TOC @ 3000' by Calc.

Crawn by Ber Store 2:17:2017



4000





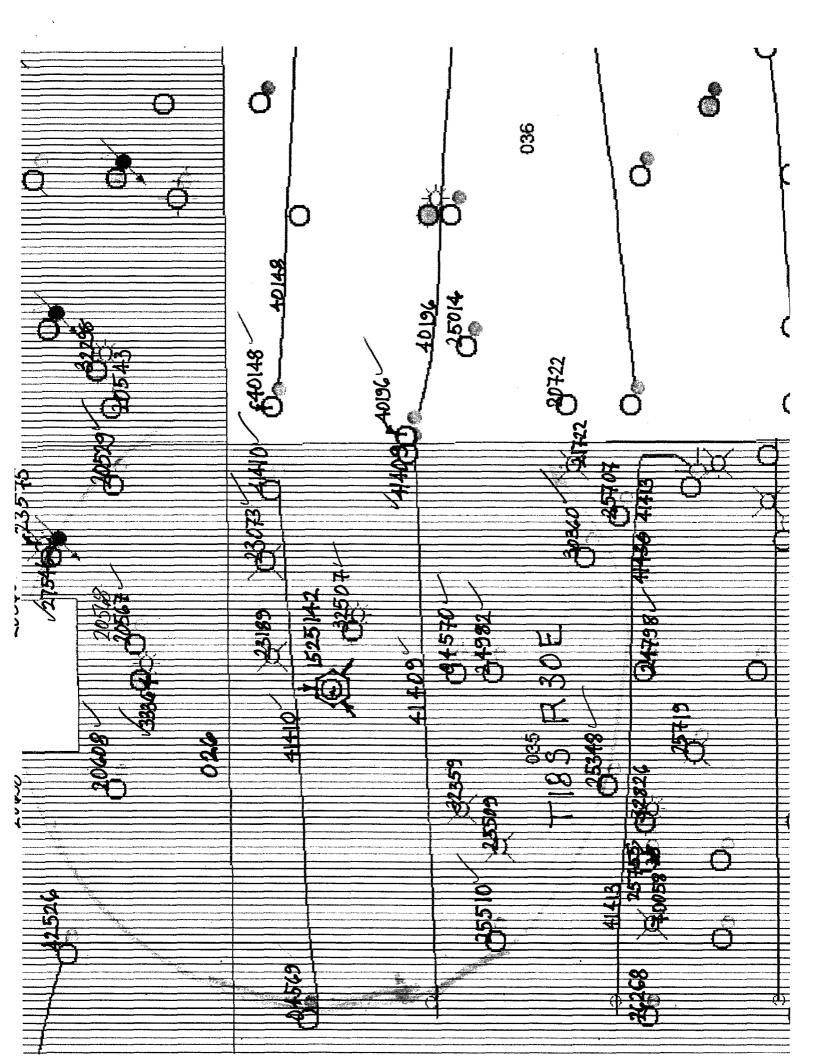
the are seventient redeal wendoes within a name of the proposed water proposed water proposed water wendoes within a name of the proposed disposed disposed below. The source of the disposal depth. See well summary spread sheet below. Tential horizontal lateral well completion conflicts have been indicated and the near wellbore distance computed. At this time BLM has concerns for depth conflicts, but is not ecting to this well's use as a produced water disposal well.	d cemen d cemen ontal late s well's t	ut tops) th eral well c use as a <u></u>										
J	perator:	Operator: Ray Westall Operating, Inc. Well: Ritz- 04	ll Operat	ing, Inc.			C-108 BL BL	BLM Index Tag #: none BLM Review Date: 07/24/2017	t: none 1: 07/24	//2017		
300 Legal Surfac @ Measured	face Loc: red T.D.:	300 API: 1525142 Legal Surface Loc: T185-R30E,35.890n2110e @ Measured T.D.: T185-R30E,35.890n2110e	3,35.8901 3,35.8901	n2110e 12110e			NMOCD Fo Administr Formatio	NMOCD Form C-108 Date: 02/17/2017 Administrative Order(s): SWD-1676, 06/17/17 Formation, Depth, Press: Grayburg, 3726-3796 WDW Picht of Way Not	e: 02/1; : SWD- s: Grayb	7/2017 1676, 06 urg, 372	/17/17	MOCD Form C-108 Date: 02/17/2017 Administrative Order(s) : SWD-1676, 06/17/17 Formation, Depth, Press: Grayburg, 3726-3796, 745psig, 2.875"tbg WDM Bisht of Way No.
state - Sfc/Mnrls/Lse: F\F\F	ırls/Lse: İ	F\F\F						ugur or way w	;			
Surfa	Surface Lease: NM93771	NM93771						P	3	VWDW to Lateral(s)	teral(s)	Evaluate disposal formation isolation from existing and potential productive
Com Agreement No:	ment No:							n WD Ihead Ihead				formations. Confirm casing cement tops of existing wells that penetrate the
unit Agreement No:	ment No:					3796		ləW fron	tel c dS z bbs	tłW D 9q	itW (proposed disposal interval are a minimum of 2001 above that interval. Consider and insure adequate isolation of vertical and calculated short distances from the
Short	Estate	SPUD		<u>Date</u>	Reentry	3526	Depth	Direc	noH±			proposed disposal entry to wells whose surface/bottom hole location is within the
<u>L# API#</u> 1525142	<u>Sfc/Mn/Lse</u> e^c/c/f	Date 1/1/85	Status	Plugged	<u>Date</u>	UTD 29895	Conflict TOC]∓ IM]∓	Ŧ			one half mile buffer.
1532507	F\F\F	12/20/02	PGW			12090	Yes 7674	S70ºE- 535				
1504570	F\F\	6/24/36	ISO	no rpt		3407		S7ºE- 1098				No Report of plugging procedure found.
1523073	F\F\F	11/29/79	ABD	09/11/08		3611	Yes	N64ºE- 1252				Plugged from 3120
1524982	F\F\F	9/21/84	POW			4000	Yes	S6ºE- 1426				
1533364	F\F\F	5/13/04	PGW			12130		N4ºE- 1652				
1520567	F/F/F	1/28/72	MOA			3580	Yes	N14ºE- 1740 N140E 1740				No zazade faund lantion como as 3001530557
	F/F/F		MON				¢	N14ªE- 1/49 N7101 1701	000		0111	NO FECOLOS TOUND, IOCAUON SAMPERADO COUDACTOURS IN OCAUONAL INC.
H 1541410	F/F/F	1/8/15 רבי מבי ב	Mod			8468	Ð	N/44E- 1/95	600	4780	4/10	
	F/F/F	3/29/72	MOd			3600	Yes 1710		1001	0100	1011	
H 1541409	F/F/F C/n/C	CT/6/0T				2470 8570	Vac 1/1U			4779 N A		
	c/1/c	27/22/2				0100	1150	_				
1530360	s/n/s F/F/F	21/07/0 8/7/98	NOV MO			3850	Yes					
1525348	F\F\F	8/12/85	POW			3405		520ºW- 2584				
1520529	F\F\F	11/17/71	- MO4			3560	Yes	N44ºE- 2589				
1525510	F\F\F	1/11/86	POW			4500	Yes					
1527546	F\F\F	7/31/93	ĺu			3550	Yes	N26ºE- 2688				
1524798	F\F\F	3/25/84	POW			3800	Yes	S3ºE- 2763				
1504569	F\F\F	9/23/61	POW			3300		N86ªW- 2869				
1525707	E\F\F	7/29/87	POW					S30ºE- 2950				
1532826	F\F\F	5/20/03	PGW			12105	Yes	S24ºW- 3014				
1520543	F\F\F	1/17/72	POW			3558	Yes	N53ºE- 3080				
1525755	F\F\F	8/20/87	POW					530ºW- 3161				
1525014	s\n\s	9/18/84	POW					S68ºE- 3192				
1520722	S/n/S		POW	10/08/10		3718	Yes	S50ºE- 3219				
1520560	P\n\P	1/8/72	MOd			3534	Yes	N9ªE- 3233				

•

``.

.

`



Conditions of Approval, Template

Ray Westall Operating, Inc Ritz - 04, API 3001525142 T18S-R30E, Sec 35, 890FNL & 2110FEL July 31, 2017

- 1. Within 90 days of these conditions of approval for the processed Electronic Submission #380031 begin wellbore workover operations.
- 2. Operator is required to have the BLM approved NOI procedure with applicable conditions of approval on location for this workover operation.
- 3. Subject to like approval by the New Mexico Oil Conservation Division.
- 4. A NMOCD Form C-102 "Well Location and Acreage Dedication Plat" with updated information is necessary with the notice of intent package when recompletion changes a well's Pool designation.
- 5. Before casing or a liner added, replaced, or repaired prior BLM approval of the design is required. Use notice of intent Form 3160-5.
- 6. <u>Notify BLM 575-361-2822 Eddy Co. as work begins</u>. <u>Some</u> procedures witnessed. If there is no response, leave a voice mail with the API#, workover purpose, and a call back phone number.
- 7. Prior to perforating, perform a charted casing integrity test of 1000psig minimum from PBTD to surface. Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 35 to 75 per cent of its full range. Verify all annular casing vents plumbed to the surface and open during this pressure test. Call BLM 575-361-2822 Eddy Co. and arrange for a BLM witness of that pressure test. Include a copy of the chart in the subsequent sundry for this workover.
- 8. Record a cement bond log with 0psig casing pressure from 3650 or below prior to perforating. Attach the CBL to a <u>pswartz@blm.gov</u> email.
- 9. Do not exceed the approved SWD-1676 injection pressure of 745psig for stimulation operations or injectivity tests.
- 10. Surface disturbance beyond the existing pad shall have prior BLM approval.
- 11. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
- 12. Functional H₂S monitoring equipment shall be on location.
- 13. 3000 (3M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Blind ram(s) and pipe ram(s) designed to close on all workstring diameters used is required equipment. A manual BOP closure system (hand wheels) shall be available for use regardless of BOP design. Function test the installed BOPE

to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) employed when needed for reasonable well control requirements.

- 14. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created during work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
- 15. Class II (production water disposal) wells will not be permitted Stimulation Pressures or "Injectivity Tests" which exceed 0.2 x ft depth to the topmost injection through tubing with an ID equal or less than 2 ½" or 50psig below the frac point as clearly indicated by a BLM accepted "Step Rate Test". Initial wellhead pressure through tubing with an ID greater than 2 ½" is restricted to 0.15 x the depth of the top perforation.
- 16. Increased wellhead disposal pressure approval requires stabilized wellhead pressures and rates for 90 days and Step Rate Test data. Prior to conducting a Step Rate Test file a Notice of Intent. A pressure of 50psig below formation fracture considered for approval.
- 17. Include formation stimulation pressures in the subsequent report. Report maximum/minimum rate (BPM) and max/min pressures (psig).
- 18. Submit a (BLM Form 3160-5 subsequent report via BLM's Well Information System; <u>https://www.blm.gov/wispermits/wis/SP</u> (email <u>pswartz@blm.gov</u> for instructions) describing (dated daily) all wellbore activity and the Mechanical Integrity Test. Include descriptions of and the setting depths of installed equipment: internally corrosive protected tubing, tubing on/off tool, profile nipple, and packer. File intermediate Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.
- 19. The well considered a commercial hydrocarbon producer until proven otherwise. Provide statements with evidence that paying quantities of hydrocarbons are not produced when the well has a pumped off fluid level. A copy of the well's mudlog, and an estimated insitu water salinity based on copies of open hole logs can be offered as evidence.
- 20. A minimum of 1000 barrels is to be withdrawn from the proposed disposal formation after any recent stimulation load volumes recovered. Report ten samples from the last 200bbls analyzed for hydrocarbons and insitu salinity by a reputable laboratory. BLM agreement obtained prior to use as a disposal well. The swabbing procedure witnessed by BLM. Notify <u>pswartz@blm.gov</u>, 575-200-7902 prior to taking the 10 samples.
- 21. Approval granted for disposal of water produced from the lease, communitization, or unit agreement of this well only. A right-of-way agreement authorized by the surface owner required to disposal fluid from another operator, lease, communitization, or unit agreement.
- 22. For non-commercial disposal; list API well numbers and lease identification of source production water on a subsequent sundry.
- 23. File intermediate **subsequent sundry** Form 3160-**5** within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.

An inactive/shut-in well bore is a non-producing completion that is capable of "beneficial use" i.e. production in **paying quantities** or of service use.

- 24. Submit evidence to support your determination the well returned to active "beneficial use" for BLM approval on the Sundry Notice Form 3160-5 within 90 days of this sundry's approval date.
- 25. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

Well with a Packer - Operations

- 1) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established.
- 2) The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with a minimum 200 psig differential between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need reduced).
- 3) Verify all annular casing vents plumbed to surface and those valves open to the surface during this pressure test. An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
- 4) Use a one hour full rotation chart recorder registering within 35 to 75 per cent of its full range and calibrated within the last 6 months to document the pressure test. Greater than 10% pressure leakoff viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
- 5) Arrange 24 hours before the test for BLM to witness. In Eddy County 575-361-2822. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number.
- 6) Prior to a subsequent sundry request for increased wellhead pressures CFO is requiring a Step Rate Test Notice of Intent.
- 7) Class II (production water disposal) wells Stimulation Pressures or "Injectivity Tests" not to exceed 0.2 x ft depth to the topmost injection through tubing with an ID equal or less than 2 ¹/₂" or 50psig below the frac point as clearly indicated by a BLM accepted "Step Rate Test". Initial wellhead pressure through tubing with an ID greater than 2 ¹/₂" is restricted to 0.15 x the depth of the top perforation.
- 8) Report unexplained significant variations of rate or pressure within 5 days.
- 9) The casing/tubing annulus requires monitoring for communication with injection fluid or loss of casing integrity. A BLM inspector may request verification of a full annular fluid level at any time.

- 10) A "Best Management Practice" is to maintain the annulus full of packer fluid at atmospheric pressure. Equipment that will display on site, continuous open to the air fluid level above the casing vent is necessary to achieve this goal.
- 11) A (5 bbls/month) gain or loss of annular fluid volume requires 24 hours notification. Cease injection and maintain production casing and tubing pressure near 0psia. Notify the BLM's authorized officer ("Paul R. Swartz" <<u>pswartz@blm.gov></u>, cell phone 575-200-7902). If there is no response phone 575-361-2822.
- 12) Submit a (BLM Form 3160-5 subsequent report (daily reports) via BLM's Well Information System; <u>https://www.blm.gov/wispermits/wis/SP</u> describing all wellbore (dated daily) activity and include the Mechanical Integrity Test chart document.