UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

Expires: July 3
Lease Serial No.

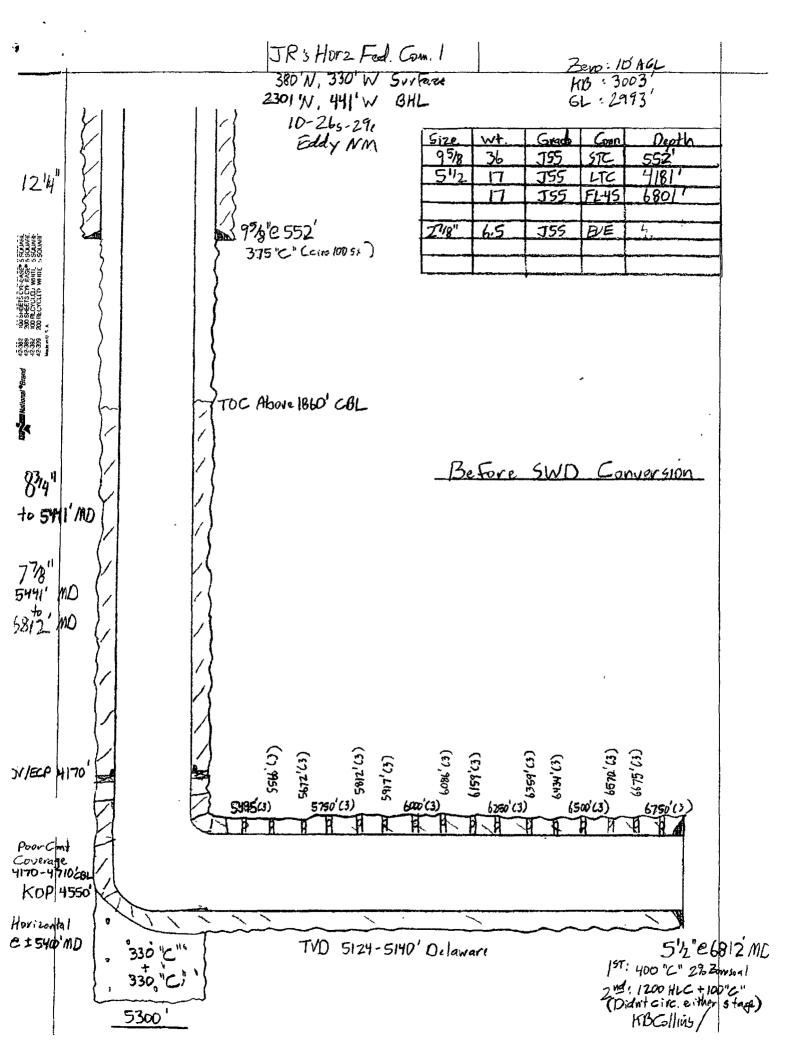
OCD Artesia **SUNDRY NOTICES AND REPORTS ON WELLS** NMNM92177 Do not use this form for proposals to drill or to re-enter an

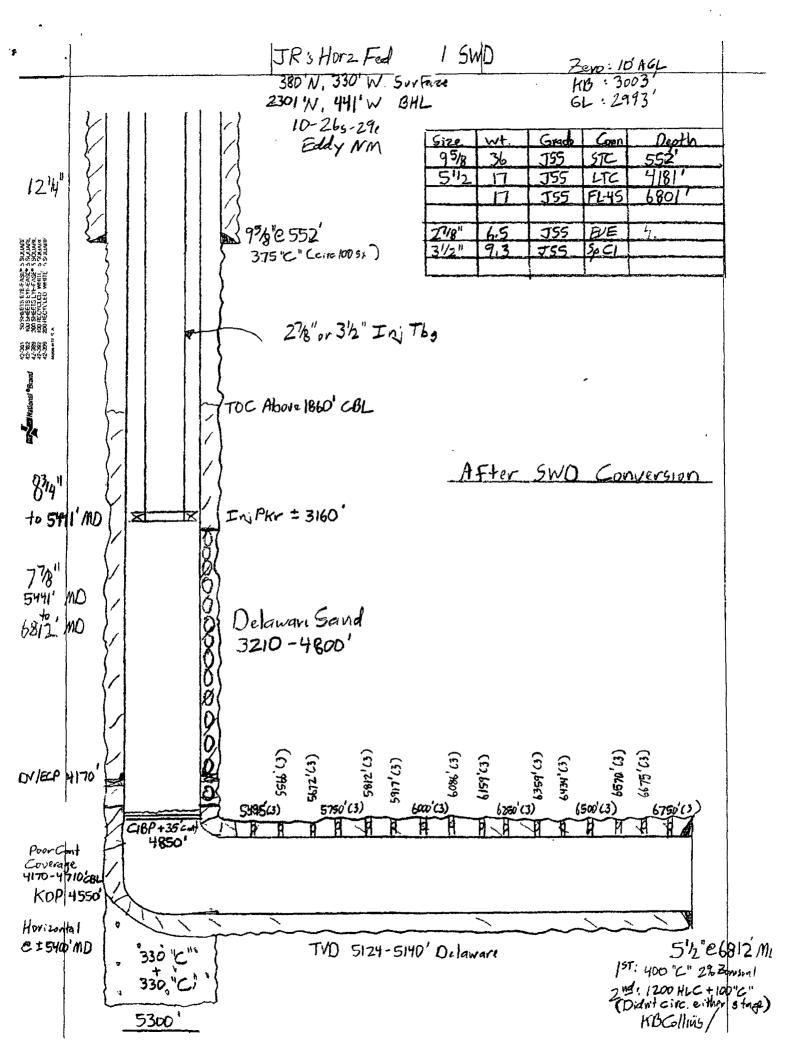
abandoned wel	II. Use form 3160-3 (APD)	for such pro	PEC	CEIVE	indian, Anotice o	i inocitame			
	PLICATE - Other instructi		200		7. If Unit or CA/Agree	ement, Name and/o	r No.		
1. Type of Well			NMOCD ARTESIAR'S HORZ FED 1						
Oil Well Gas Well Oth Name of Operator	TORMI DAVIS	/IS 9. API Well No.							
COG OPERATING LLC	E-Mail: sdavis@con			·	30-015-33066-00-S1				
3a. Address ONE CONCHO CENTER 600 MIDLAND, TX 79701	3b. Phone No (ir Ph: 575-748-6 Fx: 575-748-6	6946 ´		10. Field and Pool, or Exploratory BRUSHY DRAW-DELAWARE					
4 Location of Well (Footage, Sec., T	···-			11. County or Parish, and State					
Sec 10 T26S R29E NWNW 3	80FNL 330FWL				EDDY COUNTY, NM				
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE N	ATURE OF 1	NOTICE, REI	PORT, OR OTHE	R DATA			
TYPE OF SUBMISSION	TYPE OF SUBMISSION .				TYPE OF ACTION				
Notice of Intent	□ Acidize	☐ Deepen	□ Deepen		on (Start/Resume)	☐ Water Shut			
_	☐ Alter Casing	☐ Fractur	racture Treat Reclar		ion	on			
☐ Subsequent Report	☐ Casing Repair	□ New Co	onstruction Recomplete		ete	Other			
Final Abandonment Notice	☐ Change Plans	Plug an	d Abandon	☐ Temporar	rily Abandon				
	Convert to Injection	□ Plug Ba	g Back		sposal				
following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) COG Operating LLC respectfully requests approval to convert this well to SWD as follows (OCD Order SWD-1355). **CCEPTED TO LIKE** 1) Set CIBP + 35' cmt @ 4850'. See COFF** NMOCD CT** NMOCD CT** PROVAL BY STATE 2) Perf Delaware 3210-3248', 3268-3384', 3416-3482', 3532-3556', 3612-3786', 3848-3876', 3848-3876', 3936-4046', 4144-4266', 4276-4296', 4312-4336', 4358-4402', 4416-4424', 4470-4514', 4562-4574', Authority To Complete Control of the control									
Com Name (Printed/Typed) STORMI	ERATING LLC, ssing by KURT	d by the BLM Well Information System LC, sent to the Carlsbad RT SIMMONS on 09/20/2012 (12KMS3115SE) Title PREPARER							
(Fl. 4	11								
Signature (Electronic S		ate 09/10/2		APPI	ROVED				
	THIS SPACE FO	R FEDERAL	ORSIAIE	OFFICE US					
Approved By	· -		litle		NOV	3 2012			
Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conditions.	subject lease	Office			WW. INGRAM				
Title 18 U S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U S.C. Section 1212, make it a c statements or representations as t	crime for any person to any matter with	on knowingly an in its jurisdiction	d willfully to ma	kelto any Tepanhiem	ragency of the Un	tted		

Additional data for EC transaction #149456 that would not fit on the form 32. Additional remarks, continued

Current and proposed schematics are attached.

Accepted 1





Conditions of Approval

COG Operating LLC JR's Horz Federal -1 API 30-015-33066 T26S-R29E, Sec 10 November 3, 2012

- 1. Activity is subject to like approval by the New Mexico Oil Conservation Division.
- 2. Notify BLM 575-200-7902 Eddy Co. a minimum of 24 hours prior to beginning work. The procedures are to be witnessed. If no answer, leave a voice mail with the API#, workover purpose and a call back phone number. Note the contact, time and date in your subsequent report.
- 3. Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 5200' or below to top of cement. The CBL may be attached in an e-mail to pswartz@blm.gov. The CFO BLM on call engineer may be reached at 575-706-2779. The CBL shall be reviewed prior to placing cement on the proposed CIBP.
- 4. Surface disturbance beyond the existing pad shall have prior approval.
- 5. 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.
- 6. Functional H₂S monitoring equipment shall be on location.
- 7. A 2000 (2M) BOPE to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 (attachment 1, 2M diagrams of choke manifold equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 8. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of 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.
 - Step 1. Set the CIBP at approximately 5050'. Test the CIBP and casing to 1000 psi to verify a seal. This test shall be witnessed by the BLM, charted and a copy of the chart included with the Subsequent Report sundry. Once a seal has been verified, place a 25 sack neat Class C cement plug on the CIBP. The BLM PET witness is to run tbg tally and agree to cement placement. Sample each plug for cement curing time and tag and/or pressure test (WOC time of 4 hours recommended) as requested by BLM PET witness.

- 10. Operator shall submit an evaluation of existing logs and shall perform production tests to verify that the injection zone cannot produce in paying quantities.
- 11. Approval is granted for disposal of water produced by the operator from the Delaware and Bone Spring formations. Disposal of water from other sources requires that the well be designated as a commercial disposal well and requires further BLM approvals.
- 12. Workover approval is good for 90 days (completion to be within 90 days of approval). A detailed justification is necessary for an extension.
- 13. Operator shall submit a Subsequent Report with details of all work completed within 30 days of completing the work. In addition, a Completion report is also required.

PRS / WWI 110312

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. Repair that seal any time more than five barrels of packer fluid is replaced within 30 days.
- 2) The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with 200 psig differentials 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 to be reduced). 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.
- 3) The pressure test shall be documented on a calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
- 4) At least 24 hours before the test: In Eddy County email Paul R. Swartz <u>pswartz@blm.gov</u> phone 575-200-7902. Note the contact notification method, time, & date in your subsequent report.
- 5) Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOCD is to retain the original recorded MIT chart.
- 6) Use of tubing internal protection, tubing on/off equipment just above the packer, a profile nipple, and an in line tubing check valve below the packer or between the on/off tool and packer is a "Best Management Practice". The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore workover.
- 7) Submit the original subsequent sundry along with three copies to BLM Carlsbad.

- 8) Compliance with a NMOCD Administrative Order is required, submit documentation of that authorization.
 - a) Approved injection pressure compliance is required.
 - b) If injection pressure exceeds the approved pressure you are required to reduce that pressure and notify the BLM within 24 hours.
 - c) When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum. Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment within 30 days.
- 9) Unexplained significant variations of rate or pressure to be reported within 5 days of notice.
- 10) The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity. A BLM inspector may request verification of the annular fluid level at any time.
- 11) 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 is necessary to achieve this goal.
- 12) Loss of packer fluid above five barrels per month indicates a developing problem. Notify BLM Carlsbad Field Office, Petroleum Engineering within 5 days.
- 13) A suggested format for monthly records documenting that the casing annulus is fluid filled is available from the BLM Carlsbad Field Office.
- 14) Gain of annular fluid requires notification within 24 hours. Cease injection and maintain a production casing pressure of 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.
- 15) Submit a (Sundry Form 3160-5) subsequent report (daily reports) describing all wellbore activity and Mechanical Integrity Test as per item 1) above. Include the date(s) of the well work, and the setting depths of equipment: internally corrosive protected tubing, tubing on/off equipment just above the packer, and an in-line tubing check valve below the packer or between the on/off tool and packer. The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore workover.

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil and gas.html

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.