Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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

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.

HOBBS OCD

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

DEC 12 2014

RECEIVED

1. Type of Well ~~Oil Well~~ ☐ Gas Well ☐ Other SWD	5. Lease Serial No. NMLC029405A
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No.
	8. Well Name and No. ELVIS FEDERAL 01
2. Name of Operator CONOCOPHILLIPS COMPANY Contact: RHONDA ROGERS E-Mail: rogerrs@conocophillips.com	9. API Well No. 30-025-33584-00-S1
3a. Address MIDLAND, TX 79710 3b. Phone No. (include area code) Ph: 432-688-9174	10. Field and Pool, or Exploratory MALJAMAR SWD
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 20 T17S R32E SENW 1780FNL 1980FWL	11. County or Parish, and State LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 shall 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 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.)

ConocoPhillips would like to re-perf existing perfs and acid stimulate this injection well per the attached procedures.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

SUBJECT TO LIKE APPROVAL BY STATE

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #258808 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 11/05/2014 (15LJ0219SE)

Name *(Printed/Typed)* RHONDA ROGERS — Title STAFF REGULATORY TECHNICIAN

Signature (Electronic Submission) — Date 08/28/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved By _____ Title _____ Date DEC 9 2014

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 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD 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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

OCD/MW 12/18/2014

DEC 18 2014

CONDITION OF APPROVAL: *Operator shall give the OCD District Office 24 hour notice before running the MIT test and chart.*

Elvis 1

API Number	300253358400	**County**	LEA
Longitude	103° 47' 24.72" W	**Formation**	Devonian

Project Scope

Justification and Background: Recompletion

Water Handling issues in Buckeye west has prompted the team to look for water disposal opportunities throughout the field. Elvis 1 is a SWD well. Our aim is to re-perforate, acidize, and change the tubing to inject at a higher rate and lower pressure.

Objective and Overview: Re-perforate, stimulate & tubing change.

- POOH with tubing and packer.
- Bit and scrapper run
- Cleanout
- Re-perforate,
- Re-stimulate
- Run back in with packer and 4-1/2" tubing

OD	Item	Depth Bottom	ID	Grade
7"	casing joint	7018	6.188 "	L-80
7"	DV tool	7020		
7"	casing joint	11803	6.188 "	L-80
7"	DV tool	11805		
7"	casing joint	13900	6.188 "	L-80

Table 5 : Perforations

Type	Formation	Top	Bottom
Perforations	Devonian	13720'	13740'
Perforations	Devonian	13763'	13832'
TD	13855		

Well Service Procedure:

1) Please shut in inject & release pressure at the well head. Flow back the well into the system.
   a. *Once zero pressure is confirmed. Proceed with rig up*
2) MIRU.
3) Release packer and POOH with packer and tubing. Standing tubing and visually inspect tubing and document observation in wellview.
4) Run in hole with 2-7/8" j-55 tubing and 5-7/8" bit and scrapper to PBD (13855 ft). drill out any obstruction as necessary.
5) Once on bottom clean out to PBD for two hours. Once clean POOH
6) **Run in hole with CBL tool, to PBD. Once on bottom log well with CBL from PBD to surface.**
7) Rig up SLB perforating services
8) Run in hole with perforating gun :

4-1/2" Titan gun super deep penetrating EXP -4539-324T; charge size: 40g, hole diameter: 0.52" & 52.13 ft deep

9) Perforate at the below depths.

top	below	Feet	SPF	shots	Phase angle
13720	13740	20	2	40	120
13763	13771	8	2	16	120
13771	13781	10	2	20	120
13781	13789	8	2	16	120
13818	13832	15	2	30	120

10) Run in hole with 2-7/8" j-55 production tubing, 7" RBP and Treating packer.Set 7" RBP at 13840' and packer to 13800'
11) Rig up petroplex acid pump truck test lines to 2000 psi.
12) Pump 2000 gals of 15% NE Fe HCL, followed with 4200 gals of fresh water at **3BPM**
13) **Record ISIP, SITP 5 mins, 10 mins, 15 mins or if vacuum**
14) Release RBP & packer, set RBP at 13800 ft and packer at 13750 ft
15) Pump 1000 gals of 15% NE Fe HCL followed with 2100 gals of fresh water at **3BPM**
16) **Record ISIP, SITP 5 mins, 10 mins, 15 mins or if vacuum.**
17) Release RBP and packer, POOH laying down tubing, packer and RBP
18) Move out with 2-7/8" tubing. **Move in with 4-1/2" 11.6 lb/ft, IPC coated L-80 tubing**
19) **Rig up tubing testers**
20) Run in hole with 7" 29lb/ft injection packer with carbide slips with pump out plug and on/off tool. 4-1/2" 11.6 lb/ft, IPC coated L-80 tubing testing tubing to 3000 psi.
21) Set packer at 13643ft , test packer to 500 psi surface pressure. If it holds rig down move off.

Replaced 11/30/2014

CONOCOPHILLIPS COMPANY

API # 30-025-33584

ELVIS 1

OBJECTIVE OF THIS WORK

The purpose of this project is to re-perfs & stimulate this injection well.

Current Well Category: Category 1 This well is incapable of flowing at rates greater than 500 MCFD. The barrier requirements are: ***one untested barrier.***

Procedure

1. Bleed off all the pressure at the well head before we rig up, flow the well back to a frac tank
2. Move in Rig up
3. Nipple down wellhead, Nipple up BOP
4. Release packer, reset packer at 13750ft.
5. Pump water down 2-7/8" tubing using the step rate below
6. **Do not exceed surface pressure of 4000 psi**. Let the pressure at each Rate stabilize before we Increase the rate.
7. Pull out of hole with Packer and tubing

   Laying down the tubing.
8. Rig up SLB wire line services.
9. Run in hole with perforating gun: **4-1/2" Titan gun super deep penetrating EXP -4539-324T; charge size: 40g, hole diameter: 0.52" & 52.13 ft deep**
10. Perforate the zones below

top	below	Feet	SPF	shots	Phase angle
13720	13740	20	2	40	120
13763	13771	8	2	16	120
13771	13781	10	2	20	120
13781	13789	8	2	16	120
13818	13832	15	2	30	120

11. Run in hole with 3-1/2" L-80, 9.3lb/ft, (internal yield: 8128 psi) work string, RBP and treating Packer.

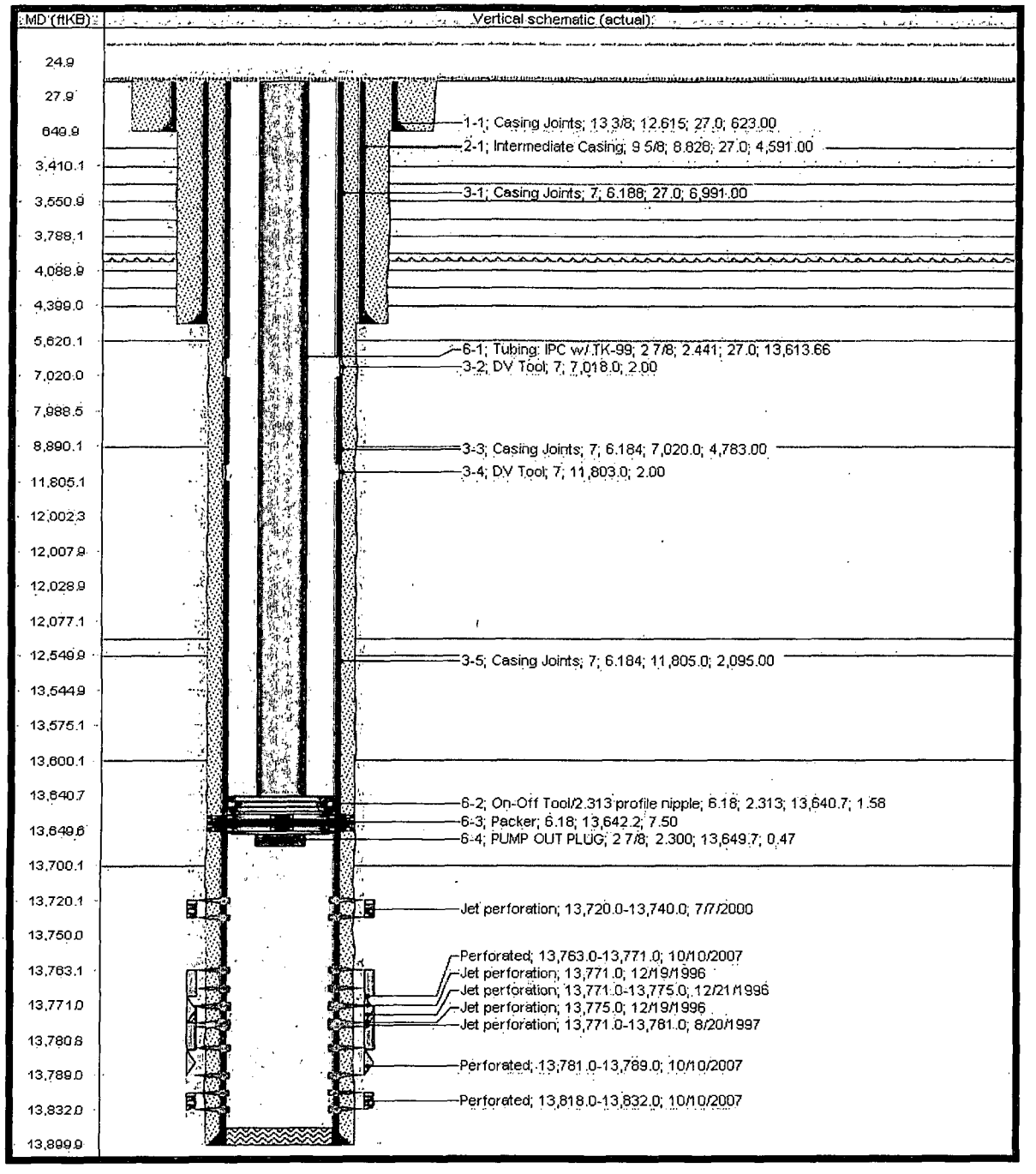
    Test work string to 7500 psi going in the hole

    - Set treat packer at 13760ft & RBP at 13840
    - Pump 1000 gals of 15%NeFE HCL

- Pump 6500 gals of 15% NeFE HCL with 1000 lbs of 3ppg rock salt.
- Pump 1000 gals of inhibited fresh water
- Record ISIP, 5 mins, 10 mins & 15 mins

12. Once zone has been flushed and broken down, release RBP and packer
    - Set treating packer at 13710 ft & RBP at 13750ft
    - Pump 1000 gals of 15% NeFE HCL
    - Pump 2360 gals of 15% NeFE HCL with 300 lbs of 3 ppg rock salt.
    - Pump 1000 gals of inhibited fresh water
    - Record ISIP, 5 mins, 10 mins & 15 mins
13. Pull out of hole with work string, RBP & packer
14. Run in hole with 440 joints of 3-1/2" L-80, 9.3 lb/ft work string & packer to 13640ft. re-do step rate test & record results in wellview
15. Once step rate is complete, release packer and circulate the well clean to PBD for two hours, please make sure we are getting clean returns.
16. Once complete pull out of hole with work string and packer.
17. Run in hole **4-1/2" 11.60 lb/ft, IPC coated L-80 tubing, on/off tool and packer. Test tubing to 6000 psi while running in the hole replace any bad tubing. Casing: 7" 29lb/ft, L-80, ID: 6.184".**
18. **Set packer at 13620 ft. Test packer to 500 psi surface pressure. If it holds then rig down move out, and hand well over to operations to begin injecting**

Replaced 11/30/2014


MD (ftKB)
Vertical schematic (actual)
24.9
27.9
649.9
3,410.1
3,550.9
3,788.1
4,088.9
4,399.0
5,620.1
7,020.0
7,988.5
8,890.1
11,805.1
12,002.3
12,007.9
12,028.9
12,077.1
12,549.9
13,544.9
13,575.1
13,600.1
13,640.7
13,649.6
13,700.1
13,720.1
13,750.0
13,763.1
13,771.0
13,780.8
13,789.0
13,832.0
13,899.9
1-1; Casing Joints; 13 3/8; 12.615; 27.0; 623.00
2-1; Intermediate Casing; 9 5/8; 8.826; 27.0; 4,591.00
3-1; Casing Joints; 7; 6.188; 27.0; 6,991.00
6-1; Tubing; IPC w/TK-99; 2 7/8; 2.441; 27.0; 13,613.66
3-2; DV Tool; 7; 7,018.0; 2.00
3-3; Casing Joints; 7; 6.184; 7,020.0; 4,783.00
3-4; DV Tool; 7; 11,803.0; 2.00
3-5; Casing Joints; 7; 6.184; 11,805.0; 2,095.00
6-2; On-Off Tool/2.313 profile nipple; 6.18; 2.313; 13,640.7; 1.58
6-3; Packer; 6.18; 13,642.2; 7.50
6-4; PUMP OUT PLUG; 2 7/8; 2.300; 13,649.7; 0.47
Jet perforation; 13,720.0-13,740.0; 7/7/2000
Perforated; 13,763.0-13,771.0; 10/10/2007
Jet perforation; 13,771.0; 12/19/1996
Jet perforation; 13,771.0-13,775.0; 12/21/1996
Jet perforation; 13,775.0; 12/19/1996
Jet perforation; 13,771.0-13,781.0; 8/20/1997
Perforated; 13,781.0-13,789.0; 10/10/2007
Perforated; 13,818.0-13,832.0; 10/10/2007

Conditions of Approval

ConocoPhillips Company
Elvis - 01, API 3002533584
T17S-R32E, Sec 20, 1780FNL & 1980FWL
December 09, 2014

1. Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15. Exceptions to these restrictions may be granted by BLM's Johnny Chopp <jchopp@blm.gov> 575.234.2227 or Bob Ballard <bballard@blm.gov> 575.234.5973.
2. Subject to like approval by the New Mexico Oil Conservation Division.
3. Before casing or a liner is added, replaced, or repaired prior BLM approval of the design is required. Use notice of intent Form 3160-5.
4. **Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 13700 below to top of cement taken with 0psig casing pressure. The CBL may be attached to a pswartz@blm.gov email. The CFO BLM on call engineer may be reached at 575-706-2779.**
5. **Do not exceed the approved SWD-1212 injection pressure of 2744 with stimulation pump pressure to attain the 3BMP rate of the ConocoPhillips procedure.**
6. Surface disturbance beyond the existing pad shall have prior approval.
7. 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.
8. Functional H_2S monitoring equipment shall be on location.
9. 5000 (5M) 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.) shall be employed when needed for reasonable well control requirements.
10. 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.
11. Approval is granted for disposal of water produced from the lease, communization, or unit agreement of this well only. Disposal fluid from another operator, lease, communization, or

unit agreement require BLM surface right-of-way agreement **approvals** and if applicable, authorization from the surface owner.

12. Disposal of water from another operator requires that the well be designated as a commercial well and BLM surface right-of-way agreement **approvals.**
13. If the well is to receive off-lease water or commercial disposal, the operator shall provide proof of surface right-of-way approval prior to injection.
14. **Provide BLM a site security diagram for the water disposal facility upstream of this well. Document the lease name and the lease number of the source(s) of production water disposed to that facility with the diagram.**

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 to be reduced). **Verify all annular casing vents are 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.
3) Document the pressure test on a one hour full rotation calibrated (within 6 months) 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) Make arrangements 24 hours before the test for BLM to witness. In Lea County phone 575-393-3612. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number
5) Submit a subsequent Sundry Form 3160-5 relating the daily dated wellbore and MIT activitivies, include a copy of the recorded 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.
7) 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.
8) Unexplained significant variations of rate or pressure to be reported within 5 days of notice.

9) 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 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 is necessary to achieve this goal.
11) Loss of packer fluid above five barrels per month indicates a developing problem. Notify BLM Carlsbad Field Office, Petroleum Engineering within 5 days.
12) A suggested format for monthly records documenting that the casing annulus is fluid filled is available from the BLM Carlsbad Field Office.
13) Gain of annular fluid pressure requires notification within 24 hours. Cease injection and maintain a production casing pressure of 0psia. Notify the BLM's authorized officer ("Paul R. Swartz" <pswartz@blm.gov>, cell phone 575-200-7902). If there is no response phone 575-361-2822.
14) 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 installed 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.
15) A request for increased wellhead pressures is to be accompanied by a step rate test. PRIOR to a Step Rate Test BLM – CFO is requiring a Notice of Intent.
16) CFR 146.13(a)(1) & CFR 146.23(a)(1) - Class I wells are permitted stimulation injection pressure to exceed frac pressure while Class II (produced water disposal) wells do not have that provision.

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.