

30-025-District I  
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Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101  
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

FEB 19 2015

RECEIVED

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TEXAS 79705		<sup>2</sup> OGRID Number 4323
		<sup>3</sup> API Number 30-025-25312
<sup>4</sup> Property Code	<sup>5</sup> Property Name BAKER B	<sup>6</sup> Well No. 016

<sup>7</sup> Surface Location

UL - Lot N	Sec 10	Township 22S	Range 37E	Lot Idn	Feet from 760	N/S Line SOUTH	Feet From 2100	E/W Line WEST	County LEA
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<sup>8</sup> Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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<sup>9</sup> Pool Information

Pool Name PENROSE SKELLY; GRAYBURG	Pool Code 50350
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Additional Well Information

<sup>11</sup> Work Type RECOMPLETE	<sup>12</sup> Well Type OIL	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type PRIVATE	<sup>15</sup> Ground Level Elevation
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 6600'	<sup>18</sup> Formation GRAYBURG	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

<sup>21</sup> Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
			NO CHANGE			

Casing/Cement Program: Additional Comments

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<sup>22</sup> Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

Signature: *Denise Pinkerton*

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: leakejd@chevron.com

Date: 02/17/2015

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title: Petroleum Engineer

Approved Date: 02/02/15

Expiration Date: 03/02/17

Conditions of Approval Attached

MAR 02 2015

BAKER B #016

Please find attached, the intended procedure to plug and abandon the Blinbry reservoir, and recomplete to the Grayburg pool. Also attached, is the C-102 plat and wellbore diagram.

During this process we plan to use the closed loop system with a steel tank and haul to the required disposal, per the OCD Rule 19.15.17.

See



Well Name: Baker B #16

API #: 30-025-25312 CHEVNO: EP1110

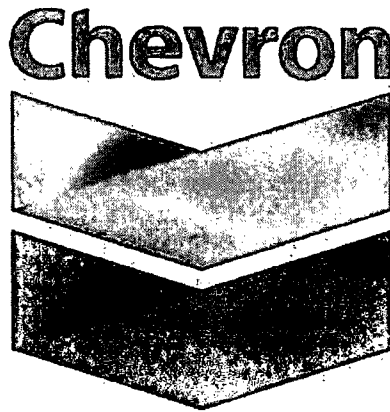
Operator: Chevron Midcontinent, L.P.

Location: 760' FSL & 2100' FWL Sec.10 TwnShp: 22S Range: 37E

Spud: 08/10/1976 Latest Recompletion: 08/19/1996

Last Revision: EAUI 1/27/15

**Chevron USA Inc.**  
**Mid-Continent Business Unit**



**WORKOVER PROCEDURE**

**Baker B #16 – P&A Blinbry & Recomplete Grayburg**

*Lea County, New Mexico*  
*Level 2 Well Work – Frac Job*

Title	Name	Signature
Workover Engineer	Evan Asire	<i>E. Asire</i> 1/30/15
Workover Team Lead	Kyle Olree	<i>K. Olree</i> 2/3/15
Workover Superintendent	Victor Bajamo	<i>V. Bajamo</i> 02/03/15
Production Engineer	John Taxiarchou	<i>J. Taxiarchou</i> 2/11/15

Baker B #16 – Recomplete to Grayburg

API# 30-025-25312

CHEVNO EP1110

It is proposed to PB the Blinbry and recomplete the Baker B #16 in the Grayburg. This well has marginal production in the Blinbry with the last test being 0 oil, 0, water and 2 Gas. EV economics are based on achieving an incremental IP of 30 BOPD declined hyperbolically at 35% with a b of 1.1, and 150 MCFPD declined hyperbolically at 15% with a b of 1.3



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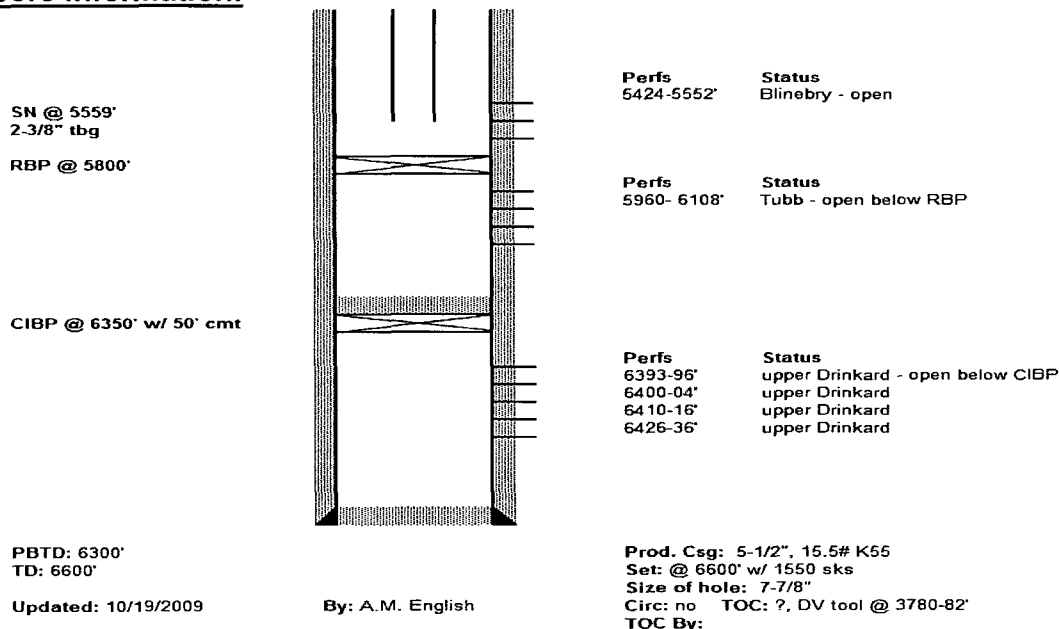
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Last Revision: EAUI 1/27/15

The purpose of this project is P&A the Tubb and Blinebry Formation, and to perforate and frac the Grayburg formation in the Baker B #16. This procedure is meant to be a guide only. It is up to the WSM, Workover Engineer and Production Engineer to make the decisions necessary to do safely what is best for the well. PLEASE REFER TO THE H2S SHEET AND TAKE ALL NECESSARY PRECAUTIONS TO MITIGATE THAT AND ANY OTHER RISKS.

**Contacts:** John Taxiarchou (PE) 432-687-7213, 432-664-7631 (C)  
Bobby Hill (OS) 575-394-1245, 575-631-9108 (C)  
Just Hobbs (PTL) 575-394-1211, 575-631-4228 (C)  
Kelly Walsh (ALCR) 575-394-1247, 432-238-8433 (C)  
Evan Asire (WE) 432-687-7784, 432-301-2067 (C)  
Kyle Olree (TTL) 432-687-7422, 307-922-3098 (C)  
Victor Bajomo (DS) 432-687-7953, 432-202-3767 (C)  
Matt Reese (FS) 575-390-3806 (C)  
Rita Dickey (Dickey Analytical Rep) 432-697-7410  
Wesley Smithson (CUDD) 432-570-5300, 432-664-1666

### **Wellbore Information:**



**Note: Well might have 2-3/8" or 2-7/8" tubing in well. We will adjust the plan accordingly.**



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#### PRE-WORK:

1. Complete the rig move checklist. Verify power line route survey with Eunice FMT.
2. Ensure location is in appropriate condition, anchors have been tested within the last 24 months, and power line distance has been verified to determine if a variance and RUMS are necessary.
3. When NU anything over an open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole.
4. Review H2S calculations in H2S tab included.
5. Any equipment installed at the wellbore, including wellhead (Inside Diameter), is to be visually inspected by the WSM to insure no foreign debris or other restrictions are present.
6. DO NOT! Flow back CO2 to non CO2 rated vessels.

#### PROCEDURE:

**Note: This well has two WBS numbers, [1] P&A existing perfs in Tubb and Blinbry [2] Recomplete in the Grayburg. Please use the appropriate WBS for services and equipment as related to each function.**

##### **WBS: P&A (Steps 1-19)**

1. Verify that well does not have pressure or flow. If the well has pressure, note tubing and casing pressures on Wellview report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).
2. MIRU pulling unit and surface equipment.
3. If there is any casing pressure, bleed off casing pressure to tank. If casing is flowing fluid, pump fluid with a constant known weight down casing to perforations and shut in for 30 minutes (or as required) to obtain stable shut-in surface pressure. Calculate required KW fluid density, weight up and pump kill fluid to kill well as applicable. If kill was required, monitor casing side pressure for 30 minutes to ensure it is dead before proceeding further.

**Prior to TOH with rods, consult ALCR and Production Engineer to verify final rod & tubing design to be run at the end of the workover.**

4. Remove stuffing box and lay down polished rod. NU rod BOP and stripper. Unseat pump and assure well is under control from tubing side. Monitor tubing side for 30 minutes to ensure it is dead.
5. TOH with rods and pump (**Lay down rods if final design hasn't been confirmed with ALCR and/or Production Engineer**). Examine rods for wear/pitting/scale/paraffin. If paraffin is observed, do not hot water treat well to avoid pumping any melted paraffin downhole where it could coat wellbore scale and perforations and impede effectiveness of acid stimulation – send affected tubing and rods off site for necessary cleaning. If excessive paraffin exists in tubing and TOH is not safe or environmentally friendly, contact workover engineer for further guidance. Send samples of well fluids, hydrocarbon buildup, scale and/or paraffin (if any) from rods and pump to frac company to determine whether any additional



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stimulation chemical additives or treatment could be required during main frac job to optimize proposed stimulation performance.

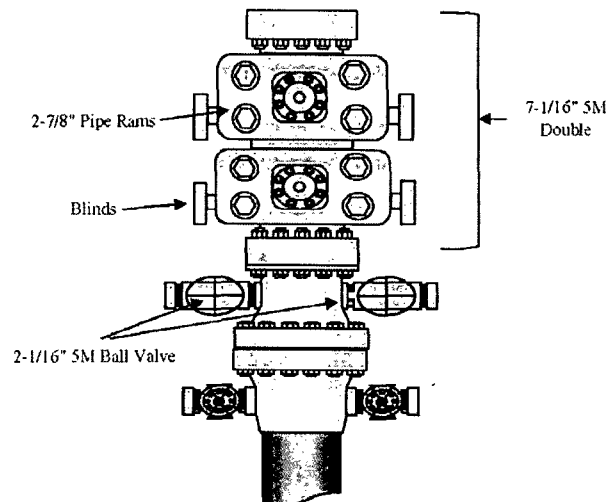
**Caliper elevators and tubular EACH DAY prior to handling tubing/tools and anytime size changes (Use elevator change out log as well). Note in JSA when and what items are calipered within the task step that includes that work.**

6. Monitor well for 30 minutes to ensure it is dead. ND rod BOP/stripper and wellhead.
7. If hanger (with BPV profile) was landed in tubing head, install BPV through tubing and seat in tubing hanger. Strip over tubing with **Chevron Class III rated 7-1/16" 5M** remotely-operated hydraulically-controlled BOP configured with pipe rams over blind rams and flange up to tubing head. NU environmental protection pan and rig up rig floor. Test BOP pipe rams to **250 low for 5 min / 500 psi high for 10 min**. Record test pressures in Wellview. Remove BPV, install 2-way check valve, test BOP blind rams to **250 low for 5 min / 500 psi high for 10 min**, then remove 2WC. Unset TAC, and TOH to lay down tubing hanger.
8. If hanger (with BPV profile) was not landed in tubing head, unset TAC, NU **Chevron Class III rated 7-1/16" 5M** remotely-operated hydraulically-controlled BOP configured with pipe rams over blind rams. NU environmental protection pan. RU floor and TOH w/ hanger and 1 joint tubing. PU 5-1/2" test packer for 5-1/2", 15.5# casing and TIH with test packer to approximately 25', set packer and test BOPE to **250 low for 5 min / 500 psi high for 10 min**. Record test pressures in Wellview. Release and LD test packer and make up original top joint of tubing back to tubing string.

- Keep the charted test of the BOP supplied by the vendor for the entire job.

### Key #340

D&L Meters



9. TOH with 2-3/8" production tubing. **Do not scan tubing out of the hole; we will be substituting with 2-7/8" 6.5# J-55 production tubing.** Send 2-3/8" tubing to 1788 yard.



Well Name: Baker B #16

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Strap production tubing and equipment out of hole to verify depths and note footage and well equipment location in Wellview.

Assure that any required replacement production tubing, rods, new pump and ancillary pump equipment (i.e., SN, sand separator etc.) have been ordered and will be available for re-completion. Reconfirm rod and tubing design with ALCR prior to purchasing new equipment.

10. Mobilize ~5900' of 2-7/8", 6.5#, L-80, EUE-8rd workstring to location as workstring. Strap and verify condition of workstring.
11. PU 2-7/8" WS with retrieving overshot and TIH to RBP @ 5800'. Wash up good above RBP, circulating at least 1.5 times bottoms up (annular capacity of 92 bbls). Latch onto and release RBP. TOH standing back workstring and lay down RBP. If RBP starts to drag or hang up while TOH, shut down and consult workover engineer (may be excessive junk on RBP).
12. MIRU wireline unit. **Set up exclusion zone around WL unit.** RU pump n' tee, wireline BOP and lubricator. Test lubricator against blind rams on 7-1/16" BOP to 250/1000 psi. **Note test results in WellView.**
13. RIH with 4-3/4" gauge ring to 5950' (Top Perf @ 5,960') to make sure well is free of obstructions. Note in WV and contact Workover Engineer if gauge ring sets down, drags, or hangs up inside 5-1/2" csg. POOH with gauge ring.
14. RIH with GR/CCL to 5950'. **Correlate depth to Dresser Atlas GR/CNL dated 8/25/1976, included in workover package; contact engineer if additional log is needed.** Pull GR/CCL from 5950' – surface. POOH with logging tools; acquire a copy of new GR/CCL log for future correlations.
15. RIH with 5-1/2" 10K CIBP and set @ 5930' (use Baker #20 setting tool with slow burn charge). Pull up and tag CIBP to ensure it set on the correct depth. POOH and rig up cement dump bailer. Dump 35' cmt on top of CIBP @ 5930'. RDMO wireline unit.
16. PU 5-1/2" test packer with 4' joint of tailpipe and notched collar and TIH on 2-7/8" workstring. Set packer at 5700' and pressure test CIBP/cement to 250/500 psi. If the test fails, work packer downhole closer to CIBP and retest. Test backside/casing to 250/500 psi. Contact Workover Engineer if tests continue to fail. **Do not TIH within 50' of CIBP without allowing cement to cure for 24 hours.**
17. Release packer and TOH standing back workstring. Lay down packer.
18. MIRU wireline unit. **Set up exclusion zone around WL unit.** RU pump n' tee, wireline BOP and lubricator. Test lubricator against blind rams on 7-1/16" BOP to 250/1000 psi. **Note test results in WellView.**
19. RIH with 5-1/2" 10K CIBP and set @ 5374' (use Baker #20 setting tool with slow burn charge). Pull up and tag CIBP to ensure it set on the correct depth. POOH and rig up cement dump bailer. Dump 35' cmt on top of CIBP @ 5374'. Load wellbore and pressure test casing/CIBP/cement to 250/500 psi. Notify Workover Engineer if test fails.
20. RIH with GR/CCL/CBL to 4300'. Correlate to GR/CCL recorded during job previously. Record GR/CCL/CBL from 4300' - 3000'. Run log with 500 psi on casing. If cement bond is questionable (averaging more than 10 mV) across proposed completion interval (~3600'–3900'), discuss with





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Spud: 08/10/1976 Latest Recompletion: 08/19/1996

Last Revision: EAUI 1/27/15

engineering team before proceeding. Email electronic copy of CBL to John Taxiarchou ([john.taxiarchou@chevron.com](mailto:john.taxiarchou@chevron.com)), Warren Anderson ([Warren.Anderson@chevron.com](mailto:Warren.Anderson@chevron.com)), and Evan Asire ([EAUI@chevron.com](mailto:EAUI@chevron.com)) for confirming CBL quality and proposed perforations.

### **WBS from this point forward: Recomplete (Steps 20-End)**

21. PU 5-1/2" RBP & 5-1/2" PKR. TIH on 2-7/8" workstring. Set RBP at 3880'. Get off RBP and TOH 5-10'. Set packer and test down tubing to RBP to 250/500 psi.
22. Release packer and spot 750 gals of 10% acetic acid across proposed perfs 3655' – 3830' (1 gal is ~1 ft in 5-1/2" 15.5# casing).
23. TOH laying down 2-7/8" workstring and packer; release 2-7/8" L-80 tubing. Dump 300 lbs of sand to fall on top of RBP at 3880'. Allow 1-2 hrs for sand to settle onto RBP (Plan for last task of day if possible).
24. MIRU wireline unit. **Set up exclusion zone around WL unit and establish radio silence when loading, running, and retrieving perforating guns.** RU pump n' tee, wireline BOP and lubricator. Test lubricator against blind rams on 7-1/16" BOP to 250/1000 psi. **Note test results in WellView.**
25. RIH and perforate the following with 3-3/8" Casing Guns (0.42 EH & 47" Penetration):

**Perfs to be done at 4 JSPF at 120 degree phasing, using 32 gram premium charges**

3655-3675'  
3760-3765'  
3768-3775'  
3778-3780'  
3783-3788'  
3818-3822'  
3830-3834'

**POOH and ensure all shots fired!!**

26. RDMO wireline unit.
27. Mobilize ~3600' of 3-1/2" 9.3# L-80 tubing as frac string.

**Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

28. Change out pipe rams from 2-7/8" to 3-1/2". PU 5-1/2" testing packer on one joint 3-1/2" tubing and set @ ~25'. Test BOP pipe rams to **250 psi low for 5 min / 1000 psi high for 10 min**. Note testing pressures on WellView report (Time log and safety/inspections). Release and LD packer.
29. MIRU hydrotesters. PU and TIH with 5-1/2" Arrow-Set 1-X 10K packer & On-Off tool with frac hardened 2.25" "F" profile, blast joint, and 3-1/2" 9.3# 8RD L-80 work string, hydrotesting to **8000 psi**. Set packer at approximately ~3570'. Install 10k frac valve and test 3-1/2" connection to **8000 psi** with hydrotesters. Install goat head above FV. Pressure 3-1/2" x 5 1/2" annulus to **500 psi** to test csg and pkr. Bleed down backside after testing.



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30. RDMO pulling unit & associated surface equipment (i.e. tanks, reverse unit, pipe racks).
31. Prep location for frac job, coordinating with Cudd frac rep and workover engineer.

Move in and fill frac tanks with fresh water (at least 7 frac tanks will be needed), move in half-frac pit for flowback, manlift or well platform, trash trailer/port-a-potty, etc.

Mark off anything on location that may pose a hazard to moving equipment and trucks in and around the location.

Schedule Dickey Analytical rep to be present before & during frac for QA/QC of chemicals, sand, etc.  
**ONLY ON DAY OF FRAC - 1 DAY CHARGES (Rita Dickey).**

32. MI frac crew and equipment. **Set up exclusion zone around stimulation unit & surface treating lines.** Shut in all wells within 600' (see well map: Baker B #17). During frac job, have someone dedicated to monitoring pressures and lines on the Baker B #17.
33. Test treating lines to **7400 psi** and set pop-off at **7400 psi**. Set 3-1/2" x 5-1/2" annulus mechanical pop-off to **500 psi**. Pressure up to 250 psi (with pump truck) on backside to monitor during job (After pressuring up, isolate pump truck from backside using 5000 psi ball valve).
34. Frac well down 3-1/2" tubing at **40 BPM** with 12,386 gals #25 Linear Gel, 3000 gals 15% HCl, 94,000 gals of SpectraFrac 2500, 8,000# 100 mesh sand, 166,000 lbs. 16/30 mesh White, and 35,000 lbs resin-coated Super LC 16/30 mesh. Observe a maximum surface treating pressure of **7400 psi**.

**Pump job per latest frac company design (provided by WOE prior to Job).**

35. Flush to top perf at 3655' **Do not overflush**. Shut down pumps and monitor tubing pressures. Record ISIP, 5, 10, and 15 minute SI tbg pressures.
36. Shut well in via frac valve. RD & Release frac company. **Leave well SI overnight.**
37. Check well for pressure. **If well has pressure**, MIRU flowback crew & associated equipment (choke manifold, flowback iron with Kevlar straps, etc.). Flowback well starting 24 hours after the frac. Open up at 20 bph and work up to 50 bph over the first 6 hours. Flow down until the well dies, putting flowback down the flowline if possible. Consult with the pumper and OS if flowback is sent down the flowline.

**If well has no pressure, DO NOT call out for Flowback equipment or crew.**

38. MIRU pulling unit & associated surface equipment (i.e. tanks, reverse unit, pipe racks).
39. Test 3-1/2" pipe rams to **250 psi low for 5 min / 1000 psi high for 10 min** against treating packer.
40. ND frac valve, release packer, and circulate kill weight fluid. TOH laying down 3-1/2" frac string and LD 5-1/2" packer. Release 3-1/2" L-80 tubing.
41. Mobilize ~5300' of 2-7/8", 6.5#, J-55, EUE-8rd tubing to use as workstring and final production tubing.

**Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**



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42. Change out pipe rams from 3-1/2" to 2-7/8". PU 5-1/2" testing packer on one joint 2-7/8" tubing and set @ ~25'. Test BOP pipe rams to **250 psi low for 5 min / 1000 psi high for 10 min**. Note testing pressures on WellView report (Time log and safety/inspections). Release and LD packer.

43. PU and TIH with following BHA:

Component	Amount
4-3/4" Mill Tooth Bit	1
Bit Sub w/Float	1
3-1/2" Drill Collars (Optional)	4
2-7/8" tubing	~ 3400'
Inline Tubing Check	1
2-7/8" tubing	~480'

44. **If needed:** MIRU Foam/ Air Unit, Flowback Manifold, and Blowdown Tank w/Gas Buster.

45. Clean out fill to top of RBP@ 3880'. (See Supplemental SOG for Foam Air operations)

46. TOH standing back 2-7/8" production tubing and lay down BHA.

47. PU and TIH with RBP retrieval head to ~3860'. Wash down thru perms & sand above RBP.

48. Latch on to RBP, release and TOH standing back tubing.

49. Re-mobilize and RU hydrotesters. PU production BHA and TIH on 2-7/8" 6.5# J-55 EUE-8rd tubing while hydrotesting original/replacement production tubing and ancillary equipment to 6000 psi (**Land tubing and rods per ALCR and PE recommendation**).

50. Monitor well for 30 minutes to ensure it is dead

51. ND BOPE, NU WH.

52. Install rod BOPE and stripper. TIH with new pump and original/replacement rods (**Per ALCR and PE rod design**).

**Contact appropriate Field Specialist to remove locks.**

53. ND Rod BOP and stripper, space out, install stuffing box, polished rod, horsehead and bridle. Check pump action with pumping unit.

54. Clean location, RDMO PU. Notify ALCR and production personnel workover has been completed. Complete Workover Ownership Form, turn well back to production (contacts on first page). **Make sure to send completed Workover Ownership Form to [eaui@chevron.com](mailto:eaui@chevron.com).**

55. Indicate **\*\*\*Final Report\*\*\*** on WellView time log and operations summary.



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## STANDARD GUIDELINES

### **Maximum Anticipated H2S Exposures (RRC H9 / NM Rule 36 )**

All personnel on location must be made aware of each of the following values (values vary by field):

**Maximum anticipated amount of H2S that an individual could be exposed to is 2,100 ppm**

**at the maximum anticipated escape volume (of wellbore gas) of 250 MCF/D**

**100 ppm Radius of Exposure is 67 feet.**

**500 ppm Radius of Exposure is 31 feet.**

### **Elevators**

At every tubing size change, the elevators must be calipered and all lifting equipment must be visually inspected for the correct sizing, and rechecked daily. The elevators must also be checked for proper sizing by placing a pony sub in the elevators. Prior to picking up power swivel, caliper and visually inspect elevators and bail on swivel. Checks are to be documented in the JSA and elevator log.

### **ND/NU**

Prior to N/D, N/U operations, if only one mechanical barrier to flow will be in place, visual monitoring of well condition by the WSM is necessary for 30 minutes or more to ensure that the well is static **before** removing or replacing well control equipment. For all deviations to 2B policy, check that MOC for exemption from 2B policy is in place and applicable. During ND/NU operations with only one barrier to flow in-place, constant visual monitoring of well condition **during ND/NU** by the WSM is necessary.

### **Installed Equipment**

Any and all equipment installed at the surface on the wellbore is to be visually inspected (internally) by the WSM prior to N/U to the wellhead by the service provider to ensure no debris or other potential restrictions are present. During any NU ops over an open wellhead (BOP, EPA, etc.), ensure the hole is covered to avoid dropping anything downhole.

### **Hazard ID**

Identify hazards with the crew as they come up during the job. Stop and review and discuss JSAs.

### **Scale and Paraffin Samples**

When removing rods and/or tubing from a well, collect samples of any paraffin and/or scale.

When drilling, note, report and sample significant returns of scale or paraffin, or anything other significant returns. Assume that samples that come from different areas/environments in the well are different and require a different sample; e.g. top/bottom of well, inside outside of tubing. Always collect enough sets of samples for both Production and D&C Chemical Reps. Send any samples to Chemical Reps., both for

1) Production (many times Baker), as well as for

2) D&C (many times PetroPlex).

Discuss D&C's Chemical Rep's recommendations with Engineering, or simply implement as practical.

### **Trapped Pressure**

Recognize whether the possibility of trapped pressure exists, check for possible obstructions by:

- Pumping through the fish/tubular – this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
- Dummy run – make a dummy run through the fish/tubular with sandline, slickline, e-line or rods to verify no obstruction. If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:
- Hot Tap at the connection to check for pressure and bleed off
- Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.



Well Name: Baker B #16

API #: 30-025-25312 CHEVNO: EP1110

Operator: Chevron Midcontinent, L.P.

Location: 760' FSL & 2100' FWL Sec.10 TwNShp: 22S Range: 37E

Spud: 08/10/1976 Latest Recompletion: 08/19/1996

Last Revision: EAUI 1/27/15

### **Wireline**

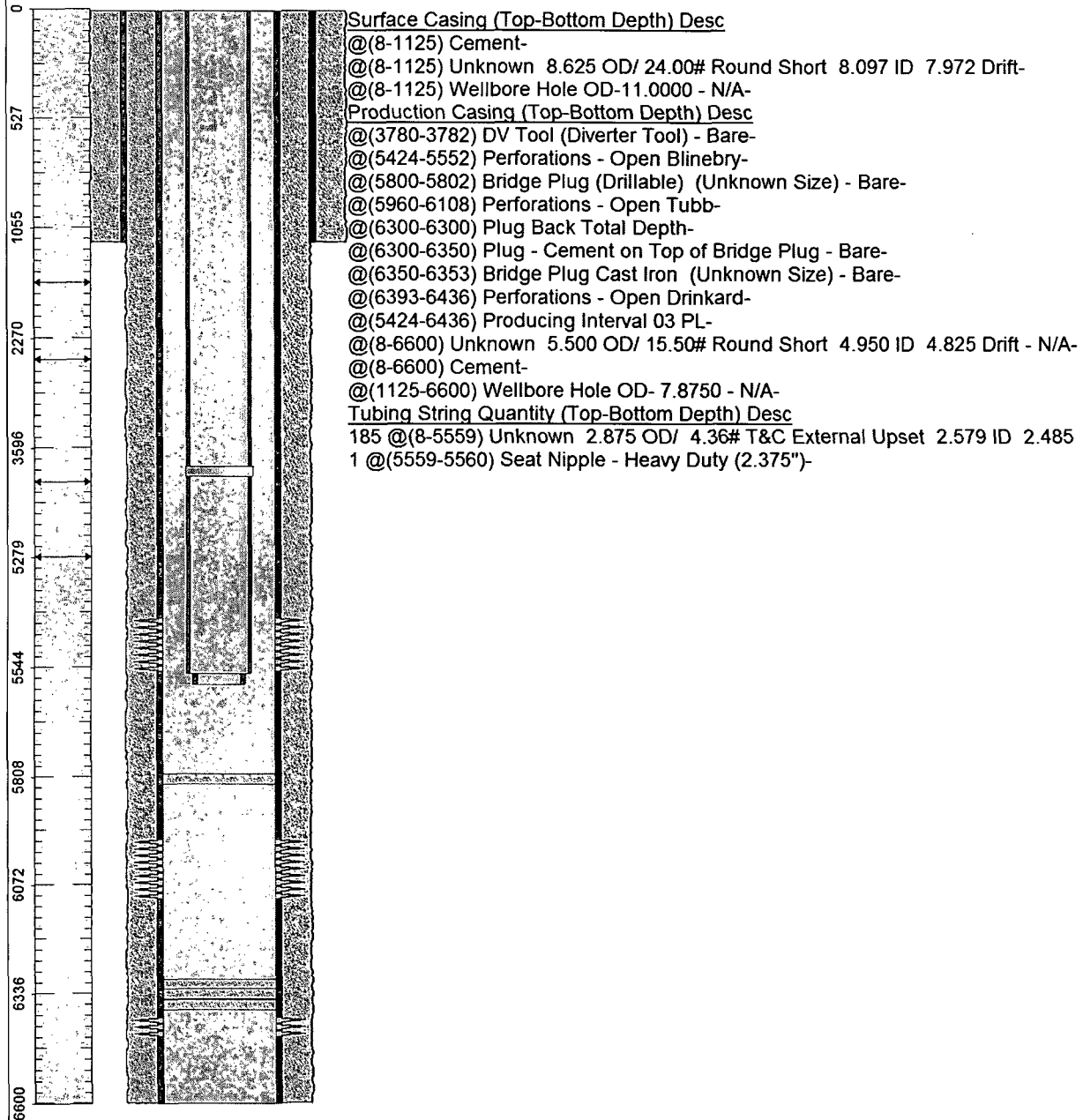
For all wireline and slickline jobs (except in new, cemented, tested and unperforated casing) install wireline packoff and lubricator. Follow Standard Guideline for installing equipment over wellhead. Test to 250 on the low end, and test on the high end based on SITP or max. anticipated pressure. Establish exclusion zone around wellhead area. Observe and enforce radio silence as needed for explosives. All wireline tools are to be calipered and documented on a diagram prior to PU and RIH. This is critical information in the event of fishing operations.

### **Foam clean out hazard mitigation**

- 1 Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery.
- 2 Run dart type float in bit sub bored for a float. Install open top flowback tank downwind from rig.
- 3 NU stripper head with **NO Outlets** (Check stripper cap for thread type - course threads preferred). Stripper head to be stump tested to 1,000 psi before use for foam operations.
- 4 Clear floor of all personnel while breaking circulation and anytime they are not required.
- 5 Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute
- 6 Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks.
- 7 Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.
- 8 Ensure that high quality, stiff foam is pumped while circulating in lateral. Stiff foam is required to prevent segregation while circulating along lateral. Monitor flow and pressures carefully when cleaning out the lateral as well will begin to unload very rapidly when foam "turns the corner".
- 9 Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition. Visually inspect and caliper elevators and bail on swivel.
- 10 POOH LD workstring & bit. Pump kill fluid down tubing to put tubing on vacuum to help eliminate trapped pressure before breaking out string floats. Have foam-air hand on location during this process. He should employ a special tool to check for pressure under floats.

## Chevron U.S.A. Inc. Wellbore Diagram : BAKERB16B

Lease: OEU EUNICE FMT		Well No.: BAKER -B- 16B	Field: BLINEBRY OIL & GAS	
Location: 760FSL2100FWL		Sec.: N/A	Blk:	Survey: N/A
County: Lea	St.: New Mexico	Refno: EP1110	API: 3002525312	Cost Center: UCU417400
Section: E037		Township: 10		Range: S022
Current Status: ACTIVE			Dead Man Anchors Test Date: NONE	
Directions:				



Ground Elevation (MSL):: 3407.00	Spud Date: 08/10/1976	Compl. Date: 08/19/1996
Well Depth Datum:: N/A	Elevation (MSL):: 3407.00	Correction Factor: 0.00
Last Updated by: bqvh	Date: 10/08/2012	

Well: **Baker B 16**

Field: **Blaine**

Reservoir: **Blaine**

**Proposed**

**Wellbore Diagram**

**Location:**  
760' FSL & 2100' FWL  
Section: 10  
Township: 22S  
Range: 37E Unit: N  
County: Lea State: NM

**Elevations:**  
GL: 3407'  
KB: 3415'  
DF:

**Well ID Info:**  
Chevno: EP1110  
API No: 30-025-25312  
Cost Cnt.: UCU417400  
Spud Date: 8/10/1976  
Compl. Date: 8/31/1976

**Surf. Csg:** 8- 5/8", 24# K-55  
**Set:** @ 1125' w/ 500 sks  
**Size of hole:** 11"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Aug-76** Perf Drinkard f/ 6393- 6436', **acd**z w/  
4300 gal 15% NE; **frac** w/ 60000 gal  
gelled brine, 65000# 20/40 sd, 500#  
benzoic acid flakes, 1000# salt.

**Subsequent Workovers/Reconditionings/Repairs:**

**Feb-94** Set CIBP @ 6350' w/ 50' cmt, **perf**  
f/ 5960-6108' (100 holes), **frac** w/  
48000 gal gel & 170000# sd

**Jul-96** Perf Blaine f/ 5424- 5552', **acd**z w/  
3000 gal 15% NEFE HCL, **frac** w/  
44000 gal 50 Q CO2 foam, 130000#  
Brady sd, 34000# 16/30 RC sd.

Perfs	Status
3655-75	Grayburg - open
3760-65	Grayburg - open
3768-75	Grayburg - open
3778-80	Grayburg - open
3783-88	Grayburg - open
3818-22	Grayburg - open
3830-34	Grayburg - open

Perfs	Status
5424-5552'	Blaine - open below CIBP

Perfs	Status
5960- 6108'	Tubb - open below CIBP

Perfs	Status
6393-96'	upper Drinkard - open below CIBP
6400-04'	upper Drinkard
6410-16'	upper Drinkard
6426-36'	upper Drinkard

**Prod. Csg:** 5-1/2", 15.5# K55  
**Set:** @ 6600' w/ 1550 sks  
**Size of hole:** 7-7/8"  
**Circ:** no **TOC:** ?, DV tool @ 3780-82'

DV tool @ 3780'

CIBP @ 5400' w/ 35' cmt

CIBP @ 5950' w/ 35' cmt

CIBP @ 6350' w/ 50' cmt

PBTD: 6300'  
TD: 6600'

Updated: 10/19/2009

By: A.M. English