



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

OCD-ARTESIA

SEP 04 2007

FORM APPROVED  
Budget Bureau No 1004-0135  
Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2 Name of Operator  
CHEVRON USA INC

3 Address and Telephone No. 15 SMITH RD, MIDLAND, TX 79705 432-687-737

4. Location of Well (Footage, Sec , T , R., M., or Survey Description)

Unit Letter F : 2310' Feet From The NORTH Line and 2310' Feet From The

WEST Line Section 28 Township 24-S Range 26-E

5. Lease Designation and Serial No.

6 If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
WHITE CITY PENN GAS COM UNIT 3  
1

9. API Well No  
30-015-21937

10 Field and Pool, Exploratory Area  
WHITE CITY PENN

11 County or Parish, State  
EDDY , NM

12 Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

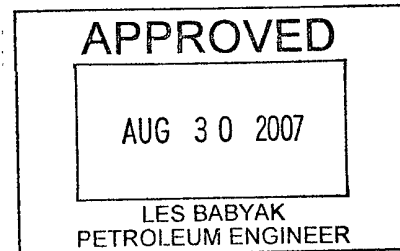
| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                            |
|------------------------------------------------------|-----------------------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment                      |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Recompletion                     |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Plugging Back                    |
|                                                      | <input type="checkbox"/> Casing Repair                    |
|                                                      | <input type="checkbox"/> Altering Casing                  |
|                                                      | <input checked="" type="checkbox"/> OTHER TO CISCO/CANYON |
|                                                      | <input type="checkbox"/> Change of Plans                  |
|                                                      | <input type="checkbox"/> New Construction                 |
|                                                      | <input type="checkbox"/> Non-Routine Fracturing           |
|                                                      | <input type="checkbox"/> Water Shut-Off                   |
|                                                      | <input type="checkbox"/> Conversion to Injection          |
|                                                      | <input type="checkbox"/> Dispose Water                    |

(Note. Report results of multiple completion on Well Completion or Recompletion Report and Log Form )

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CHEVRON U.S.A. INC. INTENDS TO RECOMPLETE THE SUBJECT WELL TO THE CISCO/CANYON WHICH IS STILL PART OF THE WHITE CITY PENN.

THE INTENDED PROCEDURE, AND CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.



14 I hereby certify that the foregoing is true and correct

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 8/21/2007

TYPE OR PRINT NAME Denise Pinkerton

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY.

TITLE

DATE

Title 18 U.S.C. Section 1001, makes 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

## WORKOVER PROCEDURE

### I - General Information

|         |                                   |            |                         |             |
|---------|-----------------------------------|------------|-------------------------|-------------|
| Well:   | White City Penn Gas Com Unit 3 #1 | Field:     | White City (Penn)       |             |
| API #:  | 30-015-21937                      | Location:  | 2,310' FNL & 2,310' FWL |             |
| CHEVNO: | EP2240                            | Unit Ltr.: | F                       | Section: 28 |
| WBS #:  |                                   | TSHP/Rng:  | S-24 E-26               |             |

### II - Objective

Recomplete to Cisco/Canyon.

### III - Pre-Job Information

- Utilize 4% KCl due to reduce formation damage from water.

### IV - Procedure

- 1 MIRU PU, Note SITP & SICP, Well Should Be Dead (CIBP @ 9,891' & TOC @ 9877'), Bleed Well Down if Necessary & Notify Engineer, ND WH, NU BOP, Test Casing & Liner Top to 1,500#. (1 day)
- 2 TOH to 9,775' (~3 Jts) Hanging Tubing In Derrick, Spot 7.5% Alcoholic Acid from 9,775' to 9,650' (~100 gallons), TOH All 2 7/8" L-80 Tubing Hanging In Derrick. (1.5 days)
- 3 MIRU WL, Run a Caliper Log From 8,200 to 8,000, Verify TOL ID's, Run a CBL & CCL Log from 9,877' (PBTD) to 8,072' (TOL), Verify Good Cement Bond. (1.5 days)
- 4 PU & TIH w/Polishing Mill, Drill Collars, & 2 7/8" Tubing to 8,072' (TOL), Tag TOL, RU Swivel, Mill TOL for 2nd Trip Packer, TOH w/2 7/8" Tubing Hanging Tubing & Drill Collars in Derrick, LD Polishing Mill. (3 days)
- 5 PU & TIH w/2nd Trip 7 5/8" X 5" Packer System w/15' TBSA (Verify Seal to Sting Into TOL is as Close to Bottom of Assembly as we can get it), 5" X 2 7/8" Crossover, Drill Collars, & 2 7/8" Tubing to 8,050', Circulate 4% KCl, TIH to Sting Into TOL w/50,000 lbs, Test 7 5/8" X 2 7/8" Annulus to 2,000 psi to Verify Seal, Set 2nd Trip Packer, Re-Test 7 5/8" X 2 7/8" Annulus to 2,000 psi to Verify Seal, Sting Out Of Packer, TOH & LD Tubing and Drill Collars. (4 days)
- 6 MO 2 7/8" L-80 Tubing and Get Inspected, MI 8,200' 5" 18# N-80 Frac Tubing. (0.5 day)
- 7 PU & TIH w/5" 15' TBSA & 5" 18# N-80 Frac Tubing to Top of TBSA, Sting Into TBSA and Apply 50,000# Compression, Test 7 5/8" X 5" Annulus to 2,000 psi to Verify Seal, ND BOP, NU 5" Tubing, Frac Valve, and Frac Manifold. (3 days)
- 8 RDMO PU, Clean Location, MIRU Pro Well Test Flowback Manifold. (1 day)
- 9 MIRU Baker WL, Tie Into SLB's CNL-FDC Log Dated 12/22/1976, Perf w/3 3/8" Predator Guns w/2 SPF 120 Deg @ 9654-9658, 9664-9668, 9718-9722, 9732-9736, 9756-9760, 9770-9774, RDMO WL. (1 day)
- 10 MIRU Haliburton, Load & Pressure Backside to 2000 psi, Frac as per Haliburton Procedure: 122,000 Total Gallons Slick Water, 54,250 Total lbm 30/50 Ceramic, 75 BPM, 8000 psi MAX, RDMO Haliburton, Flow Back Well. (2 days)

# White City Penn Gas Com Unit 3 #1 Current Wellbore Diagram

Created: 07/31/06 By: C. A. Irle  
 Updated: 04/23/07 By: C. A. Irle  
 Lease: White City Penn Gas Com Unit 3  
 Field: White City (Penn)  
 Surf. Loc.: 2,310' FNL & 2,310' FWL  
 Bot. Loc.:  
 County: Eddy St.: NM  
 Status: Temporarily Abandoned

Well #: 1 Fd./St. #: LC-065347  
 API: 30-015-21937  
 Unit Ltr.: F Section: 28  
 TSHP/Rng: S-24 E-26  
 Unit Ltr.: Section:  
 TSHP/Rng:  
 Cost Code: UCU970700  
 Chevno: EP2240

## Surface Casing

Size: 10 3/4  
 Wt., Grd.: 40.5# K-55  
 Depth: 1,900  
 Sxs Cmt: 1,200  
 Circulate: ?  
 TOC: ?  
 Hole Size: 13 3/4

## Intermediate Casing

Size: 7 5/8  
 Wt., Grd.: 26.4# S-95  
 Depth: 8,337  
 Sxs Cmt: 900  
 Circulate: No  
 TOC: 2,950 TS  
 Hole Size: 9 1/2

## Production Liner

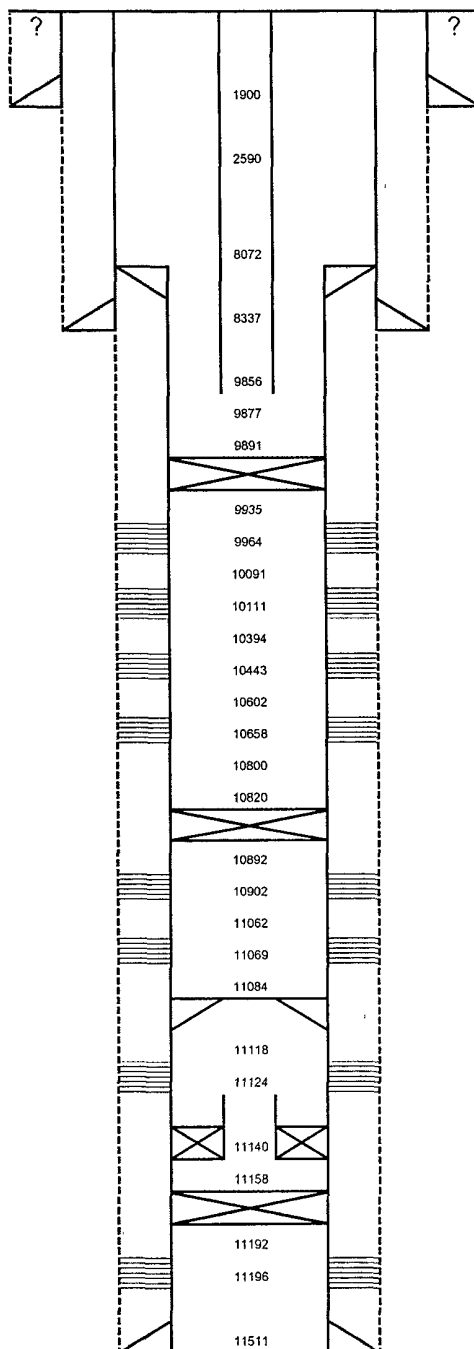
Size: 5"  
 Wt., Grd.: 17.93# N-80  
 Top: 8,072  
 Depth: 11,511  
 Sxs Cmt: 665  
 Circulate: No  
 TOC: TOL  
 Hole Size: 6 1/2

## Perforations

9935-38, 48-64, 10,091-097, 108-111, 394-402, 413-423, 436-443, 602-605, 610-626, 654-658, 892-902, 11,062-69, 11,118-24, 92-96

## Tubing Detail

2 7/8" L-80 Tubing



KB:  
 DF:  
 GL: 3,393  
 Ini. Spud: 11/08/76  
 Ini. Comp.: 01/15/77

## History

12/21/76 Set Liner Not hold pres, sqz TOL 200 sx  
 1/15/77 Ini Comp Perf 4 spf .32" 11118-24, 92-96, tbg 2 3/8 11203 pkr 11063.  
 7/10/78 Test Zones: Rel pkr, pkr 11157, swab, BHP bombs, RBD 11158, pkr 11070, swab, prod upper, prod lower pending eval.  
 12/6/78 Sqz Upper Mor Rel pkr, pkr 11140, rel pkr, spot 2 sx 20/40 snd, pkr stuck  
 5/25/79 Cont. CI, inactive pending study, pkr still stuck  
 7/19/79 Recomp Higher: Ret 11084, perf 2 spf .5" 10892-902, 11062-69, swab, acid 6000 gls 7 5% slick Morrow 30 BS, swab, sell  
 3/29/06 TA Rel pkr, CIBP 10820, cmt 20'  
 10/25/06 Recomp Atoka & Strawn, BHA 9848, set pkr, swab 8000', perf 9935-38, 48-64, 10091-097, 108-111, 394-402, 413-423, 436-443, 602-605, 610-626, 654-658, junk on bot: 2 shots, 2 sink bars, CCL, decentralizer, firing head, acid 8500 gls 22% Alc 38% meth 41Q CO2 150 BS, swab.  
 1/13/07 Log/Swab Production logged, but died, swab, tag 6250, sinker bar push 6380, end cap in tbg  
 3/5/07 Sqz Wtr Zones Rel pkr, RBP 10709, pkr 10362, swab wtr, pkr 10580, swab wtr, RBP 10502, pkr 10360, swab dry, RBP 10160, pkr 10070, swab, no pres, RBP 10010, pkr 9891, swab dry, RBP 10502, pkr 10361, acid 4500 gls 7 5% Alc 21 BS 3 stgs, flow, RBP 10012, pkr 9891, acid 4500 gls 7 5% Alc 16 BS, RBP 10502, pkr 9891, swab dry  
 4/17/07 TA Rel RBP, CIBP 9891, cmt 20', tag 9877, 2 7/8 tbg 9856

## Geology - Tops From Drilling

Delaware 1,758  
 Bone Springs 5,216  
 Wolfcamp 8,360  
 Strawn 10,078  
 Atoka 10,375  
 Morrow 10,775  
 Barnett 11,493

PBTD: 10,800  
 TD: 11,511

- 11 MIRU WL, GIH w/1 87" R Profile Nipple w/Blanking Plug, 10' 2 3/8" 4 6# L-80 Tubing Sub, 5" Production Packer w/1.87" F Profile Nipple, & On/Off Tool to ~9,575', Set Packer @ 9,575', ROH, RDMO WL, Bleed Pressure and Fill w/4% KCL as per Engineer, Monitor Pressure Until PU Arrives (1 day)
- 12 Verify 0 Pressure, MIRU PU, ND Frac Manifold, Frac Valve, & 5" Tubing Spool, NU BOP, Sting Out of TBSA, TOH & LD All 5" Tubing & TBSA, MO 5" 18# N-80 Tubing, MI Inspected 2 7/8" 6.4# L-80 Production Tubing, PU & TIH On/Off Tool & 2 7/8" L-80 Tubing to 9,575', Circulate 4% KCl, Latch Onto Packer @ 9,575'. (5 days)
- 13 ND BOP, NU WH, RU Lubricator, Swab Fluid Level Down as per Engineer, RDMO PU, Clean Location, Turn Over to Production. (0.5 day)
- 14 MIRU WL, GIH to 9,585' to Pull Equalizing Prong, ROH, GIH to Retrieve 1.87" Blanking Plug, ROH, RDMO (1 days)

Prepared by  
Christopher A Irle

# White City Penn Gas Com Unit 3 #1 Proposed Wellbore Diagram

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 Updated: 04/23/07 By: C. A. Irle  
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 Field: White City (Penn)  
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 County: Eddy St.: NM  
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 TSHP/Rng: S-24 E-26  
 Unit Ltr.: Section:  
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 Cost Code: UCU970700  
 Chevno: EP2240

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 Depth: 1,900  
 Sxs Cmt: 1,200  
 Circulate: ?  
 TOC: ?  
 Hole Size: 13 3/4

## Intermediate Casing

Size: 7 5/8  
 Wt., Grd.: 26.4# S-95  
 Depth: 8,337  
 Sxs Cmt: 900  
 Circulate: No  
 TOC: 2,950 TS  
 Hole Size: 9 1/2

## Production Liner

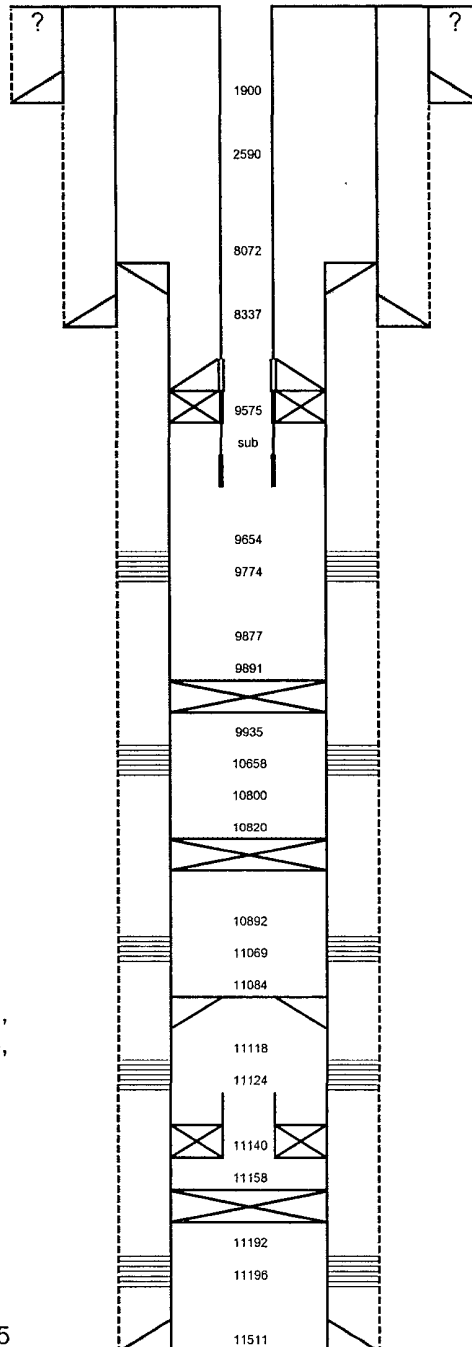
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 Top: 8,072  
 Depth: 11,511  
 Sxs Cmt: 665  
 Circulate: No  
 TOC: TOL  
 Hole Size: 6 1/2

## Perforations

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 111, 394-402, 413-423, 436-443,  
 602-605, 610-626, 654-658, 892-  
 902, 11,062-69, 11,118-24, 92-96

## Tubing Detail

2 7/8" 6.4# L-80 Tubing  
 On/Off Tool  
 5" Packer w/1.87" F 9,575  
 10' 2 3/8" 4.6# L-80 Tubing Sub  
 1.87" R Profile Nipple



KB:  
 DF:  
 GL: 3,393  
 Ini. Spud: 11/08/76  
 Ini. Comp.: 01/15/77

## History

12/21/76 Set Liner Not hold pres, sqz TOL 200 sx.  
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 tbg 2 3/8 11203 pkr 11063  
 7/10/78 Test Zones Rel pkr, pkr 11157, swab,  
 BHP bombs, RBD 11158, pkr 11070, swab, prod  
 upper, prod lower pending eval.  
 12/6/78 Sqz Upper Mor Rel pkr, pkr 11140, rel  
 pkr, spot 2 sx 20/40 snd, pkr stuck.  
 5/25/79 Cont CI, inactive pending study, pkr still  
 stuck  
 7/19/79 Recomp Higher Ret 11084, perf 2 spf 5"  
 10892-902, 11062-69, swab, acid 6000 gls 7 5%  
 slick Morrow 30 BS, swab, sell.  
 3/29/06 TA Rel pkr, CIBP 10820, cmt 20'.  
 10/25/06 Recomp Atoka & Strawn: BHA 9848, set  
 pkr, swab 8000', perf 9935-38, 48-64, 10091-097,  
 108-111, 394-402, 413-423, 436-443, 602-605,  
 610-626, 654-658, junk on bot 2 shots, 2 sink  
 bars, CCL, decentralizer, firing head, acid 8500 gls  
 22% Alc 38% meth 41Q CO2 150 BS, swab  
 1/13/07 Log/Swab Production logged, but died,  
 swab, tag 6250, sinker bar push 6380, end cap in  
 tbg  
 3/5/07 Sqz Wtr Zones Rel pkr, RBP 10709, pkr  
 10362, swab wtr, pkr 10580, swab wtr, RBP  
 10502, pkr 10360, swab dry, RBP 10160, pkr  
 10070, swab, no pres, RBP 10010, pkr 9891, swab  
 dry, RBP 10502, pkr 10361, acid 4500 gls 7 5%  
 Alc 21 BS 3 stgs, flow, RBP 10012, pkr 9891, acid  
 4500 gls 7 5% Alc 16 BS, RBP 10502, pkr 9891,  
 swab dry.  
 4/17/07 TA: Rel RBP, CIBP 9891, cmt 20', tag  
 9877, 2 7/8 tbg 9856

## Geology - Tops From Drilling

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 Bone Springs 5,216  
 Wolfcamp 8,360  
 Strawn 10,078  
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