

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA
APR 15 2009

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

RM

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.**

5 Lease Serial No
NM-0441951
6 If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator
CHEVRON U.S.A. INC.

3a Address
15 SMITH ROAD, MIDLAND, TEXAS 79705

3b Phone No (include area code)
432-687-7375

4 Location of Well (Footage, Sec., T, R, M., or Survey Description)
1650' FSL, & 1650' FWL, SEC 33, T-24-S, R-26-E

7 If Unit of CA/Agreement, Name and/or No
N/A

8 Well Name and No
WHITE CITY UNIT COM #2

9 API Well No
30-015-31384

10 Field and Pool or Exploratory Area
WHITE CITY PENN (ATOKA)

11 Country or Parish, State
EDDY, NM

12 CHECK THE APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>DRILL OUT CIBP,</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>PERF & ACIDIZE</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>ADD'L ATOKA PAY</u>

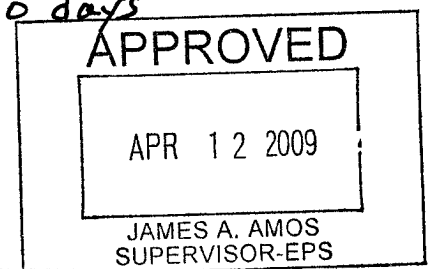
13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection)

CHEVRON U.S.A. INC. INTENDS TO DRILL OUT THE CIBP, PERFORATE & ACIDIZE FOUR ADDITIONAL INTERVALS IN THE ATOKA FORMATION & RETURN THE WELL TO PRODUCTION.

THIS WELL IS ON THE NM INACTIVE WELL LIST

THE INTENDED PROCEDURE & CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL

* Return well to active status within 120 days
or submit plans for abandonment.



14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)
DENISE PINKERTON

Title REGULATORY SPECIALIST

Signature

Denise Pinkerton

Date 03/26/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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

(Instructions on page 2)

NR

Background:

In mid-2008, the White City Com #2 was slated for a workover in the Cisco Canyon formation. However, this well was TA'd as it was being prepped for the workover as a result of poor results from offset Cisco Canyon workovers. The subject well is now on the NM Idle Well List and action must be taken to restore production from the previously completed Atoka & Morrow Formations. Prior to shut-in, production from the White City Com #2 averaged 60 MCFD. After reopening the well and completion of additional Atoka intervals, the production from the White City Com #2 is expected to be 150 MCFPD at a decline rate of 8%.

Purpose:

Drill out CIBP. Perforate and acidize four additional intervals in the Atoka Formation. Return well to production.

Procedure:

This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 3/5/2009. Verify what is in the hole with the well file in the Carlsbad Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

1. MIRU workover unit. Well should be dead. Bleed pressure from well, if any. Remove wellhead. NU BOP.
2. RIH with 3-7/8" bit on workstring to drill out cement and CIBP. TOC (estimated) @ 9905'. Top of CIBP @ 9940'. Continue to RIH w/bit to verify perfs open 10100' – 11438'. Tag bottom and circulate well clean with 4% KCL water.
3. POOH w/ workstring and bit.
4. MIRU Baker Atlas WL. Perforate Atoka intervals with 3-1/8" casing gun as follows: (3 JSPF – 90° phasing with charge spec: 23 gm 0.41" EHD 20.94" TTP.)

Tie log: Schlumberger Platform Express Compensated Neutron/GR dated 3-Feb-2001

<u>Atoka Interval</u>	<u>Net Feet</u>	<u># of holes</u>
10508 – 10516	8	24
10536 – 10549	13	39
10574 – 10590	16	48
10600 – 10610	10	30

5. RIH with RBP and packer. Set RBP below lowest new Atoka perforation @ 10610' (No lower than perf at 10893') with sufficient clearance to set packer and test RBP & packer in blank 4-1/2" casing.
6. After successful test, pull tubing and set packer to isolate all new Atoka perfs 10508' – 10610'. (No higher than perf at 10447')

7. MIRU Halliburton. Acidize Atoka perms 10508' – 10610' with 2,000 gal 10% Mud Cleanout Acid using 200 ball sealers at a rate of 3-5 BPM and an anticipated surface pressure of 4,500 psi via 2-3/8" workstring. Displace acid with 4,000 gal 4% KCL water as follows:

Halliburton pump schedule for acidizing the Atoka interval (10508' – 10610'):

Well Name	White City Unit Com	10% MCA	2000 Gal
Job Name	Acidize Formation	4% KCL Water	4000 Gal
No of Perfs/Jets	141	Perfpac Ball - 7/8" OD - 1 3 S.G	200 balls
Estimated Pump Time	0 6 hrs		

Treat the Atoka interval with 2,000 gallons of 10% Mud Cleanout Acid using 200 ball sealers for diversion. Treat via 2-3/8" tubing at 3 - 5 BPM with an anticipated wellhead treating pressure of 4,500 psi. Use the following schedule.

Tubing (Surface)						
Trt Stage	Stage Desc	Flow Path	Fluid Desc	Rate: Liq + Prop	Clean Vol	
1-1	Acid	IN	10% MCA	4	2000	
1-2	Flush	IN	4% KCL Water	4	4000	
Totals					6000	

Tubing						
Stage#	Stage Desc	Clean Vol	Ball Used	Ball Drop Rate	Volume In (Gal)	
1-1	Acid	2000	Perfpac Ball - 7/8" OD - 1.3 S.G	200	2000	
Totals				200	2000	

Fluid Details - Atoka

10% MCA		
Volume (Gal)	Base Fluid	Corrosion Inhibitor (gal/Mgal)
2000	HCL Acid 0 - 2000	HAI-404M 1

4% KCL Water	
Volume (Gal)	Base Fluid
4000	4% KCL Water *

* Customer Supplied

8. Following acid job, record ISIP, 5 and 10 minute shut-in pressures. RD and release Halliburton.
9. Swab/flow back well into test tank to recover load and ball sealers. Record recovered volumes, pressures, and well response.
10. If necessary, kill well with 4% KCL water. Release packer, retrieve RBP and POOH.
11. RIH and set 2-3/8" production tubing, packer and profile nipples as recommended by ALCR. Use 4% KCL for packer fluid. ND BOP. Install wellhead.
12. Swab, as necessary, to cause well to flow. SI, as needed, to reconnect well to production equipment and sales line.
13. Turn well over to production. RDMO workover unit.

White City Unit Com #2 Wellbore Diagram

Created 08/20/07 By: C. A. Irle
 Updated: 01/03/08 By: C. A. Irle
 Lease: White City Unit Com
 Field: White City Penn
 Surf Loc: 1,650' FSL & 1,650' FWL
 Bot. Loc: _____
 County: Eddy St.: NM
 Status: Active Gas Well

Well #: 2 Fd/St #: NM0441951
 API: 30-015-31384
 Surface Tshp/Rng: S-24 & E-26
 Unit Ltr.: K Section: 33
 Bottom hole Tshp/Rng: _____
 Unit Ltr.: _____ Section: _____
 Cost Code: UCU973100
 Chevno. HC6450

Current

Surface Casing (NOT SHOWN)

Size: 13 3/8
 Wt, Grd.: 40# H-40
 Depth: 405
 Sxs Cmt: 521
 Circulate: Yes, 67
 TOC: Surface
 Hole Size: 17 1/2

Intermediate Casing

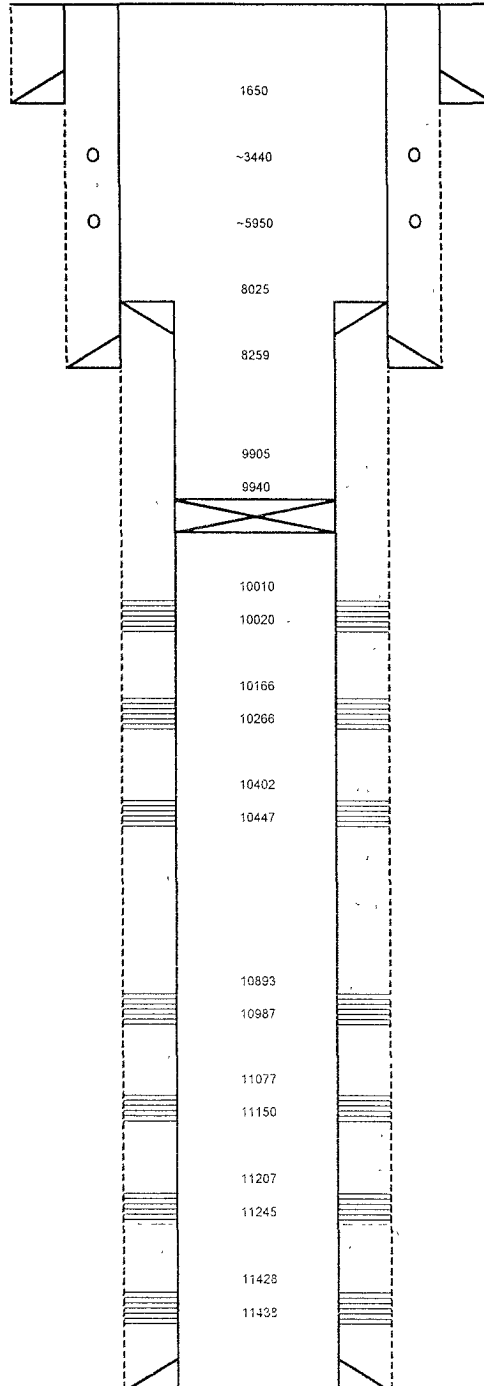
Size: 9 5/8
 Wt, Grd: _____
 Depth: 1,650
 Sxs Cmt: 1,000
 Circulate: Yes, 261
 TOC: Surface
 Hole Size: 12 1/4

Production Casing

Size: 7"
 Wt, Grd.: 26# L-80
 Depth: 8,259
 Sxs Cmt: 1,600
 Circulate: All, 249
 TOC: Surface
 Hole Size: 8 3/4
 DV Tool 1: ~5,950
 DV Tool 2: ~3,440

Production Liner

Size: 4 1/2
 Wt, Grd.: 11 6#
 TOL: 8,025
 Depth: 11,561
 Sxs Cmt: 450
 Circulate: Yes, 37
 TOC: TOL
 Hole Size: 6 1/8



KB: _____
 DF: _____
 GL: _____
 Ini. Spud: 12/18/00
 Ini Comp: 02/15/01

Perforations:

Atoka 10010 - 10020
 10166 - 10168
 10210 - 10214
 10263 - 10266
 10402 - 10410
 10438 - 10447

Morrow 10893 - 10900
 10979 - 10987
 11077 - 11080
 11086 - 11094
 11120 - 11129
 11137 - 11150
 11207 - 11210
 11239 - 11245
 11428 - 11438

Geology - Tops

Bell Canyon 1,830
 Bone Spring 5,270
 Wolfcamp 8,020
 Strawn 9,990
 Atoka 10,108
 Morrow 10,876

PBTD: 11,514
 TD: 11,561

White City Unit Com #2 Wellbore Diagram

Created 08/20/07 By: C. A. Irle
 Updated 03/25/09 By: Bob Hall
 Lease White City Unit Com
 Field White City Penn
 Surf. Loc.: 1,650' FSL & 1,650' FWL
 Bot Loc.:
 County: Eddy St.: NM
 Status: Active Gas Well

Well #. 2 Fd./St. #: NM0441951
 API 30-015-31384
 Surface Tshp/Rng: S-24 & E-26
 Unit Ltr. K Section: 33
 Bottom hole Tshp/Rng
 Unit Ltr. Section:
 Cost Code UCU973100
 Cheveno HC6450

Proposed

Surface Casing (NOT SHOWN)

Size: 13 3/8
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 Depth: 405
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 Hole Size: 17 1/2

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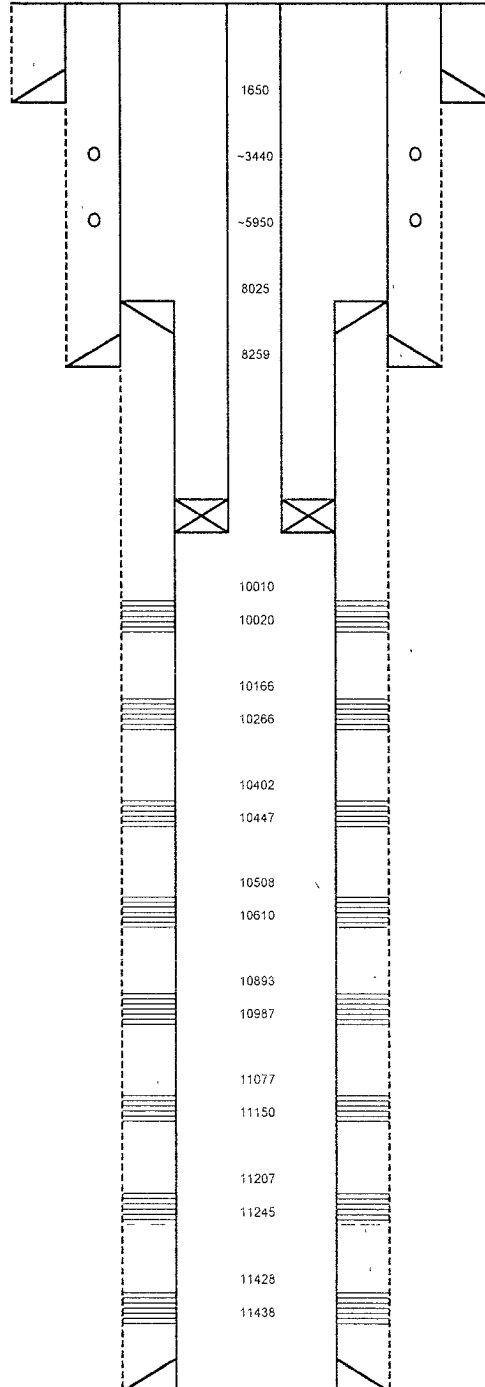
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KB: _____
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 GL: _____
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 Ini. Comp.: 02/15/01

Tubing Detail

2 3/8" 4.7# Tubing, Profile Nipples,
 and Packer @ Setting Depth TBD.

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 10166 - 10168
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