OCD-ARTESIA

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
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.

SUBMIT IN TRIPLICATE – Other instructions on page 2

5. Lease Serial No
NM-25676

6 If Indian, Allottee or Tribe Name

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

1 Type of Well
✓ ☑ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No
GETTY 24 FEDERAL #16 ✓

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

9 API Well No
30-015-32644 ✓

3a Address
15 SMITH ROAD
MIDLAND, TEXAS 79705

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

10 Field and Pool or Exploratory Area
LIVINGSTON RIDGE; DELAWARE

4 Location of Well *(Footage, Sec , T ,R ,M , or Survey Description)*
1800' FSL & 1650' FEL, SECTION 24, T-22S, R-31E, UL J ✓

11 Country or Parish, State
EDDY COUNTY, NM

12 CHECK THE 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other ADD DELAWARE PERFS, STIMULATE
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 must 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 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 ADD NEW DELAWARE PERFORATIONS, STIMULATE, & THEN PRODUCE , ALONG WITH EXISTING OPEN DELAWARE PERFORATIONS

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAMS, AND INFO FOR C-144.

Accepted for record - NMOCD
DS 9-7-11

After 12-1-2011 the well must be online or plans to P & A must be submitted.

RECEIVED
SEP 06 2011
NMOCD ARTESIA

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

Title REGULATORY SPECIALIST

Signature Denise Pinkerton

Date 08/04/2011

APPROVED
SEP 1 2011
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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)

Getty 24 Federal #16
Livingston Ridge Field
T22S, R31E, Section 24
Job: Remove TA pkr assembly. Add Delaware Perfs – Acidize and Frac. RTP.

Procedure:

1. ***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 7/21/2011. Verify what is in the hole with the well file in the Eunice 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.***

2. MIRU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. ND WH. NU BOPs. Release 5-1/2" pkr. POOH with 210 jts 2-7/8" 6.5 # L-80 tbg & pkr. Stand tbg back, this tubing will be re-ran as the production string. (About 1800' of additional 2-7/8" L-80 production tubing will be needed to run pump & eqmt.)

3. PU and GIH with 5-1/2" RBP & 5-1/2" treating pkr on 2 7/8" 9.3 # L-80 EUE 8R work string to set RBP at approximately 7600'. POOH with sufficient clearance to test RBP and pkr in blank casing to #### psi. (No higher than next open perf at 7121'). After successful RBP test, place about 10' sand on top of RBP. Either use dump bailer or pour sand and allow time for settling.

4. POOH with 2-7/8" workstring and pkr.

5. MIRU perforating unit. Perforate Delaware intervals as follows:
   Tie log: Baker Hughes Cement Bond Log dated 5/28/2003

Delaware Interval	Net Feet	# of holes	Shot Density
7377 - 7381	**4**	**16**	**4 JSPF at 120 degree phasing**
7383 - 7391	**8**	**32**	**4 JSPF at 120 degree phasing**
7474 - 7513	**39**	**78**	**2 JSPF at 120 degree phasing**

6. PU and RIH w/ 5 ½" treating pkr on 2 7/8" work string to set pkr at approximately 7200'. Test tbg to #### psi while GIH. Pressure test csg and pkr to 500 psi.

7. MIRU Schlumberger. Treat new perfs 7377 - 7513' as follows at a maximum surface pressure of 8500 psi. Monitor annular pressure during treatment to detect any communication to upper perfs at 6596 – 7121'. **Shutdown job immediately if there is communication. DO NOT OVERFLUSH.**

Treatment 1

Stage Name	Pump Rate bbl/min	Fluid Name	Stage Volume gal	Proppant	Prop. Conc PPA
Breakdown	10.0	WF125 CVX	1000		0.0
Acid	10.0	HCl 15 - A179 CVX	2000		0.0
Spacer	30.0	WF125 CVX	7000		0.0
PAD	30.0	YF125ST CVX	14000		0.0
0.5 PPA	30.0	YF125ST CVX	2000	Jordan Unimin 16/30	0.5
1.5 PPA	30.0	YF125ST CVX	2500	Jordan Unimin 16/30	1.5
2.5 PPA	30.0	YF125ST CVX	3500	Jordan Unimin 16/30	2.5
3.5 PPA	30.0	YF125ST CVX	4000	Jordan Unimin 16/30	3.5
4.5 PPA	30.0	YF125ST CVX	5000	Jordan Unimin 16/30	4.5
5.0 PPA	30.0	YF125ST Resin CVX	3000	Super LC 16/30	5.0
Flush	30.0	WF125 CVX	1927		0.0

Fluid Totals

WF125 CVX	9927 gal
HCl 15 - A179 CVX	2000 gal
YF125ST CVX	31000 gal
YF125ST Resin CVX	3000 gal

Proppant Totals

Jordan Unimin 16/30	50000 lb
Super LC 16/30	15000 lb

9. Following treatment, record ISIP, 5 and 10 minute shut-in pressures. Do not flow back well. Leave well SION.

10. Bleed pressure from well. Release pkr and TOH. LD pkr.

11. RIH with RBP retrieval head on workstring. Tag top of sand. Circulate to expose perfs 7377 – 7513'. If necessary, establish circulation as per air foam procedure and clean out to top of RBP.

12. Engage and release RBP. POOH and LD workstring.

13. RIH with 2-7/8" production tubing string as per ALCR. Design attached.

14. Remove BOPs and install WH.

15. RIH with pump, sinker bars and rods as per ALCR. Design attached.

16. RDMO workover rig.

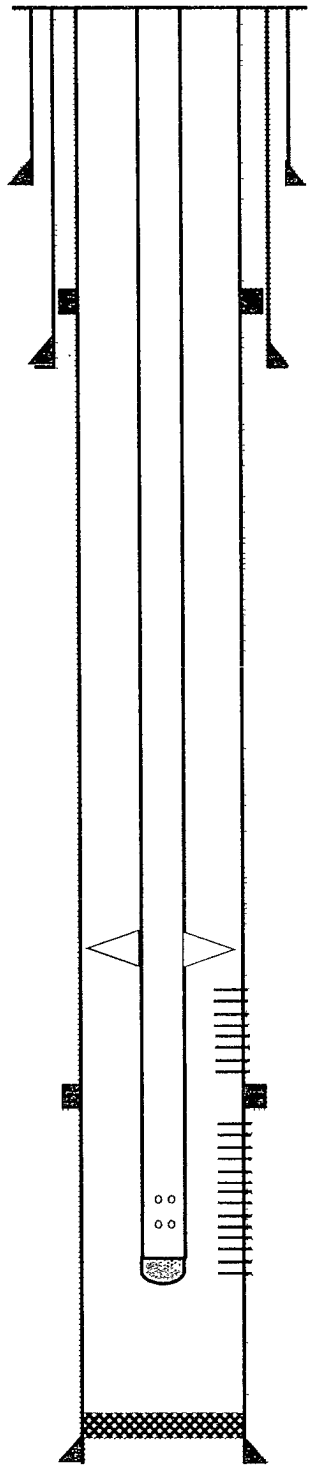
Well **Getty 24 Federal #16** Field. **Livingston Ridge** Reservoir· **Delaware**

Location:
1800' FSL & 1650' FEL
Section 24
Township: 22S
Range· 31E Unit
County Eddy State NM

Elevations:
GL 3585'
KB
DF

This wellbore diagram 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 the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Wellbore Diagram
Proposed



Well ID Info:
Chevno· HK2994
API No· 30-015-32644
Spud Date. 4/23/2003
Compl Date 6/4/2003

Surface Csg: 13 3/8" 48# H-40
Set: @ 807' w/ 950 sx cmt
Hole Size: 17 1/2"
Circ: Yes **TOC:** Surface
TOC By: Circulation

Intermediate Csg: 8 5/8" 32# K-55
Set: @ 4462' w/ 1,300 sx cmt
Hole Size:
Circ: Yes **TOC:** Surface
TOC By: Circulation

DV Tool @3687'

Tubing Detail ESTIMATED:

#Jts:	Size	Footage
	KB Correction	16 20
243	Jts 2 7/8" 6 5# L-80 Tbg	7652 40
1	Jt 2 7/8" x 4' Tbg Sub	4 10
10	Jts 2 7/8" 6 5# L-80 Tbg	327 32
	TAC @ 8000'	2 75
5	Jts 2 7/8" 6 5# L-80 Tbg	134 23
2	Jts 2 7/8" IPC TK 99 Tbg	63 00
	SN @ 8200'	1 10
1	Jt 2 7/8" x 4' Perf Tbg Sub	4 10
2	Jt 2 7/8" 6 5# L-80 Tbg	63 00
	Bull Plug	0 40
264	**Bottom Of String >>**	**8268.60**

Rod Detail ESTIMATED:

#Rods.	Size:	Footage
1	1 5 X 26' Polished Rod	26 00
138	7/8" X 25' N-97 Rods	3450 00
176	3/4" X 25' N-97 Rods	4400 00
14	1 5" X 25' C Sinker Bars	350 00
	7/8" X 4' N-97 Sub with Guides	as needed
	Rod Pump as per ALCR	24 00
329	**Total Length >>**	**8250.00**
		+ subs

Perfs:	# Holes:	Status:
6596 - 6602'		Cherry
6854 - 6858'		Cherry
7003 - 7007'		Cherry
7076 - 7092'		Cherry
7100 - 7105'		Cherry
7117 - 7121'		Cherry
7377 - 7381'	**16**	**NEW**
7383 - 7391'	**32**	**NEW**
7474 - 7513'	**78**	**NEW**
8158 - 8190'		Brushy
8264 - 8277'		Brushy
8307 - 8309'		Brushy
8314 - 8334'		Brushy
8337 - 8343'		Brushy
8352 - 8357'		Brushy

DV Tool @6094'

PBTD: 8552'
TD: 8630'

Updated: 7/11/2011

Production Csg: 5-1/2" 15 5# &17# J
Set: @ 8600' w/ 1600 sx cmt
DV Tools @ 3687' & 6094'
Circ: Yes **TOC:** Surface
TOC By: Circulation

By: Bob Hall

Well: **Getty 24 Federal #16** Field. **Livingston Ridge** Reservoir: **Delaware**

Location:
1800' FSL & 1650' FEL
Section 24
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Range 31E Unit
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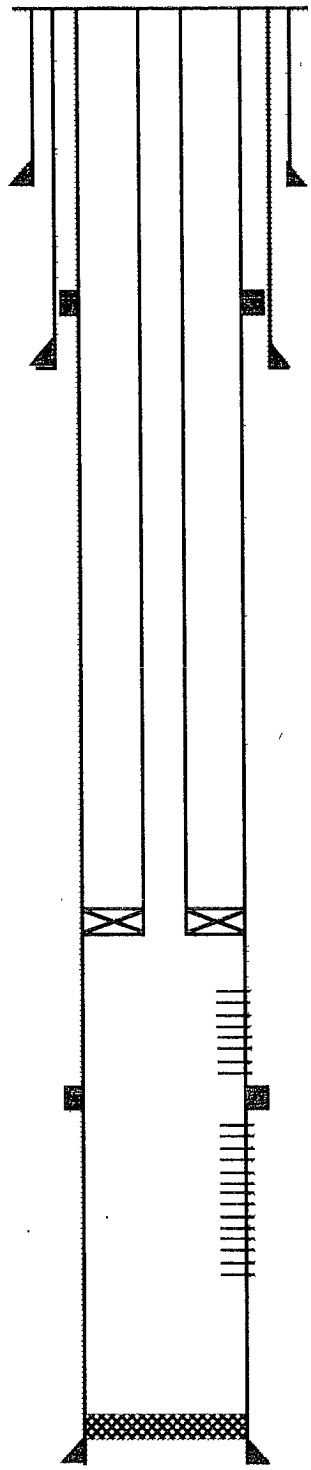

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Hole Size:
Circ: Yes **TOC:** Surface
TOC By: Circulation

DV Tool @3687'

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	18 00
210	Jts 2 7/8" 6 5# L-80 Tbg	6512 78
	On/Off Tool	1 45
	Packer @ 6532 2'	7 55
	w/ 1800 psi pump out plug	
210	**Bottom Of String >>**	6539.78

Perfs:	Status:
6596 - 6602'	Cherry Canyon - Oper
6854 - 6858'	Cherry Canyon - Oper
7003 - 7007'	Cherry Canyon - Oper
7076 - 7092'	Cherry Canyon - Oper
7100 - 7105'	Cherry Canyon - Oper
7117 - 7121'	Cherry Canyon - Oper
8158 - 8190'	Brushy Canyon - Oper
8264 - 8277'	Brushy Canyon - Oper
8307 - 8309'	Brushy Canyon - Oper
8314 - 8334'	Brushy Canyon - Oper
8337 - 8343'	Brushy Canyon - Oper
8352 - 8357'	Brushy Canyon - Oper

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