

OCD-ARTESIA

Form 3160-3
(April 2004)Month - Year
FEB - 5 2007
OCD - ARTESIA, NMUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Chevron USA Inc3a. Address
P.O. Box 7139, Midland, Texas 797083b. Phone No. (include area code)
432-561-86004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2310' FSL & 330' FWL
Sec. 31-T22S-R29E

5. Lease Serial No.

NM-61349

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Quahada Ridge 31 Federal #1

9. API Well No.

30-015-27666

10. Field and Pool, or Exploratory Area

Herradura Bend; Delaware, East

11. County or Parish, State

Eddy, New Mexico

12. CHECK 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 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 shall 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 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.)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

1. NotifiY BLM 24 hrs prior to MI and RU.
2. RIH, Tag TOC @ 3,695'.
3. Displaced hole w/MLF, 9.5# Brine w/25# gel P/BBL.
4. Perf 4 holes at 2,800', squeeze 110sx of cement from 2,800'-2,550' (8 5/8 shoe, B. Salt) WOC Tag.
5. Perf 4 holes at 525', squeeze 110sx of cement from 525'-275 (13 3/8" shoe, T. Salt) WOC Tag.
6. Spot 20sx cement plug from 115'-surface (surface) WOC Tag.
7. Install dry hole marker.

NOTE: If circulation is attained when perforating at 2,800' between the 5 1/2"x8 5/8", then 5 1/2" casing will be cut and pulled. If casing is pulled, the BLM will be notified of change in procedure prior to proceeding with any cement plugs.

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

M. Lee Roark

Title Agent

Signature

Date

01/12/2007

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

APPROVED

JAN 25 2007

WESLEY W. INGRAM
PETROLEUM ENGINEER

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)

Accepted for record
NMOCD

PLUGGING & ABANDONMENT WORKSHEET

(3 STRING CSNG)

OPERATOR Chevron

LEASENAME Quahada Ridge 31 Federal

WELL # 1

SECT 31 TWN 22S RNG 29E

FROM 2310' S L 330' NW L

TD: 6500' FORMATION @ TD

PBTD: 3695' FORMATION @ PBTD

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/8"	376'	surf.	CIRC.
INTMED 1	8 5/8"	2714'	surf.	CIRC.
INTMED 2				
PROD	5 1/2"	6500'	?	
	SIZE	TOP	BOT	TOC DETERMINED BY
LINER 1				
LINER 2				
	CUT & PULL @		TOP - BOTTOM	
INTMED 1		PERFS	-	
INTMED 2		OPENHOLE	-	
PROD				

* REQUIRED PLUGS DISTRICT 1

* Perf & Squeeze

RUTLER (AMT)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
T. Salt	426'
B. Salt	2656'
DELAWARE	2920'
BELL CANYON	
CHERRY CANYON	3768'
BRUBBY CANYON	5230'
STONE SPRING	6442'
FLORITA	
GLADESBY	
TURK	
OLDKARD	
ARO	
WC	
PERM	
STRAVN	
ATDEA	
MORROW	
PERM	
CHEVONIAN	

PLUG	TYPE	BACKS	DEPTH
PLUG	PLUG	CMNT	
EXAMPLES			
PLUG #1	OH	25 SXS	9850'
PLUG #2	SHOE	50 SXS	8700'-8800'
PLUG #3	CIRP/35'		5300'
PLUG #4	CIRP	25 SXS	5300'
PLUG #5	STUB	50 SXS	4600'-4700'
PLUG #6	RETNR SQZ	200 SXS	400'
PLUG #7	SURF	10 SXS	0-10'
PLUG #8	oe	110sx	2800'-2550'
PLUG #9	B. Salt	—	—
PLUG #10	Shae	110sx	525'-275'
PLUG #11	T. Salt	—	—
PLUG #12	Surface	20sx	115'-surf.
PLUG #13			
PLUG #14			
PLUG #15			
PLUG #16			
PLUG #17			
PLUG #18			
PLUG #19			
PLUG #20			
PLUG #21			
PLUG #22			
PLUG #23			
PLUG #24			
PLUG #25			
PLUG #26			
PLUG #27			
PLUG #28			
PLUG #29			
PLUG #30			

13 3/8"
@ 376'
TOC surface

8 5/8"
@ 2714'
TOC surface

5 1/2"
@ 6500'
TOC ??

TD 6500'

Accepted for record
NMOCD

Quahada Ridge 31 Federal #1 Wellbore Diagram

Created: 12/06/06 By: C. A. Irie
 Updated: By:
 Lease: Quahada Ridge 31 Federal
 Field: East Herradura Bend
 Surf. Loc.: 2,310' FSL & 330' FWL
 Bot. Loc.:
 County: Eddy St.: NM
 Status: Temporarily Abandoned

Well #: 1 Fd./St. #: NM 61349
 API: 30-015-27666
 Surface Tshp/Rng: S-22 & E-29
 Unit Ltr.: L Section: 31
 Bottom hole Tshp/Rng:
 Unit Ltr.: Section:
 Directions: Carlsbad, NM
 Chevno: QU2738

Surface Casing

Size: 13 3/8
 Wt., Grd.: 54.5# K-55
 Depth: 376
 Sxs Cmt: 475
 Circulate: Yes, 106
 TOC: Surface
 Hole Size:

Intermediate Casing

Size: 8 5/8
 Wt., Grd.: J-55*
 Depth: 2,714
 Sxs Cmt: 875
 Circulate: Yes, 200
 TOC: Surface
 Hole Size: 12 1/4
 *24# & 32#

Production Casing

Size: 5 1/2
 Wt., Grd.: 15.5# J-55
 Depth: 6,500
 Sxs Cmt: 915
 Circulate: ???
 TOC: ???
 Hole Size: 7 7/8

Perforations

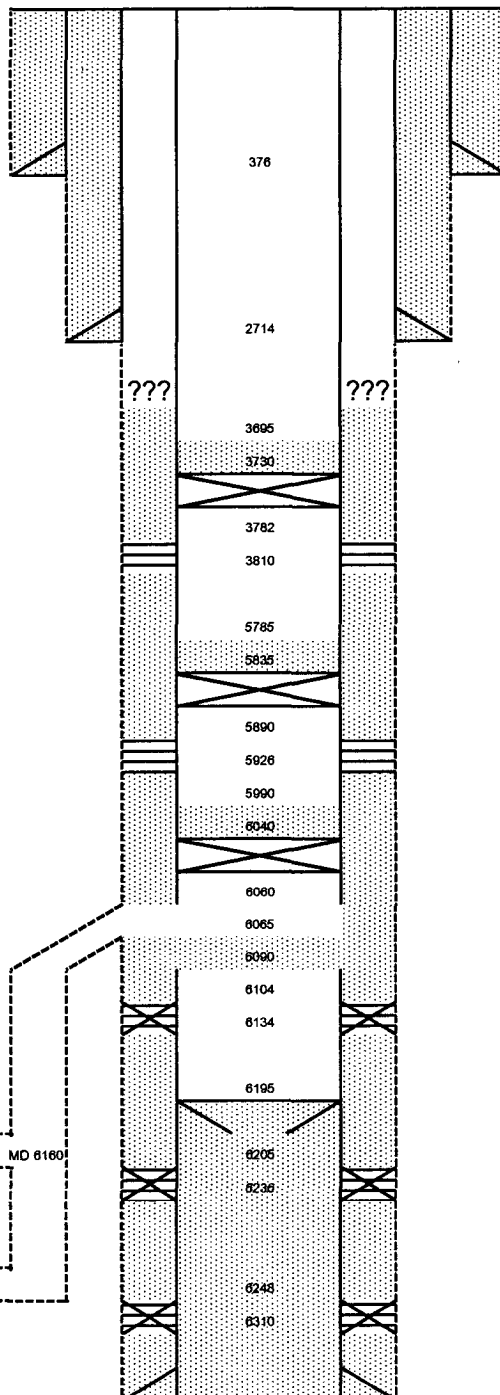
~~3782-3810, 5890-5926, 6104-34,~~
~~6205-36, 48-56, 68-86, 6302-10~~

MD = 6573

TVD = 6112 Tool Stuck
 356' N, 159' E of Surface Location

MD = 6635, TVD 6136

488' N, 41' E of Surface Location



KB:
 DF:
 GL: 3,155
 Ini. Spud: 09/17/93
 Ini. Comp.: 11/06/93

History

9/29/93 Drlg: Sidewall Cores @ TD.
 10/8/93 Ini Comp: Perf Brushy Canyon 2
 spf 6248-56, 68-86, 6302-10, frac 20500 gls
 YF130 100000# 16/30.
 11/6/93 Recomp Brushy Canyon: RBP
 6237, perf Brushy Canyon 2 spf 6205-36
 (62 hls), frac 11500 gls YF130 32000#
 16/30, RBP 6165, perf Brushy Canyon 2 spf
 6104-34, acid 3200 gls 7.5% HCl, frac
 12500 gls YF130 38260# 16/30, Rel
 RBP's?
 1/14/94 Put in Pump
 9/8/94 Drl Lat: Tag 6227, CO 6265, cmt ret
 6195, pmp 250 sx, pkr 5935 TP 5964, pmp
 150 sx, tag 6112, drl & wash 6195, tbg
 6145, spot 50 sx cmt, tag 5773, drl 6193,
 mill csg 6060-90, UR 6060-90, cmt 70 sx
 6090, tag 5820, drl 6065, drl hrz MD 6573
 TVD 6112 N 356' E 159', tool stk, sidetrack
 lat 6160 MD 6635 TVD 6136 N 488' E 41',
 pkr 5982.
 3/17/95 Recomp: CIBP 6040, cmt 50', perf
 Brushy Canyon 5890-5926 (73 hls), pkr
 5652, acid 2800 gls 7.5% HCl 100 BS,
 swab, frac 30000 gls Boragel 44400# 16/30
 10000 RC, vac, tag 5931, CO 5990.
 4/18/96 Recomp Cherry Canyon: CIBP
 5835, cmt 50', perf Cherry Canyon 3782-
 3810 (57 hls), pkr 3641, acid 1500 gls
 7.5%, frac 1500 gls 30# XL 12000# 16/30,
 all water.
 3/3/98 TA: CIBP 3730, cmt 35'.

Geology - Tops

Delaware 2,920
 Cherry Canyon 3,768
 Brushy Canyon 5,230
 Bone Spring 6,442

PBTD: 3,695
 TD: 6,500

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New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 23S Range: 29E Sections: 17

NAD27 X: Y: Zone: ☐ Search Radius: |

County: ED ☐ Basin: ☐ Number: | Suffix: |

Owner Name: (First) | (Last) | ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 01/12/2007

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
C	23S	29E	17				1	65	65	65

Record Count: 1

**Accepted for record
NMOCD**

**Quahada Ridge 31 Federal #1
Chevron USA Inc
Plug and Abandonment Procedure
January 25, 2007
Conditions of Approval**

Step 1 Ok

Step 2 If TOC is not at 3695 feet, add cement to reach that depth.

Step 3 Ok

Step 4 Plug should be extended to also cover the top of the Delaware at 2920 feet.

Step 5 Ok

Step 6 25 sack cement plug per OCD guidelines

Step 7 Cut off casing per attached COA and install dry hole marker.

WWI 012507

**Accepted for record
NMOCD**

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
505-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 505-627-0272; Eddy County, call 505-234-5972; Lea County, call 505-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C", for up to 7,500 feet of depth, mixed at 14.8 lbs/gal with 6.3 gallons of fresh water per sack or class "H", for deeper than 7,500 feet plugs, mixed at 16.4 lbs/gal with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

Accepted for record
NMOCD