Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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 reverse side

DEC 2002
RECEIVED
OCD - ARTESIA

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
23

2. Name of Operator
Chevron U.S.A. Inc.

9. API Well No.
30-015-32041

3a. Address
15 Smith Road, Midland Texas 79705

3b. Phone No. *(include area code)*
(915) 687-7375

10. Field and Pool, or Exploratory Area
LOAFER DRAW MORROW

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1650' FNL, & 1725' FEL, SEC 8, T-22-S, R-23-E

UT. G

11. County or Parish, State
EDDY NM

12. CHECK 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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 shall 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 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 final site is ready for final inspection.)

CHEVRON U.S.A. INC. INTENDS TO DEEPEN THE EXISTING SUBJECT WELL TO THE MORROW FORMATION.

ATTACHED IS THE CEMENTING PROGRAM, WELL PROPOSAL DATA SHEET, ANTICIPATED DRILLING PROGRAM, BOP DIAGRAM, AND WELLBORE DIAGRAM.

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

Title
REGULATORY SPECIALIST

Signature: Denise PinKerton

Date 12-05-02

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, 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.

CEMENT

		Prod
System		50/50H;2%D20,
Bogle Flats Unit #23		5%D44,0.25#D29
Density, ppg		14.2000
Yield, cf/s		1.3500
Water, g/s		6.3000
Class C	$/sx	
Class C	# of sx	
Class H	$/sx	2.9600
Class H	# of sx	0.5000
Poz	$/sx	1.6520
Poz	# of sx	0.5000
S1	$/#	
S1	#/sx	
D20	$/#	0.0680
D20	#/sx	1.7300
D44	$/#	0.0520
D44	#/sx	2.6200
D29	$/#	0.7080
D29	#/sx	0.2500
D79	$/#	
D79	#/sx	
D42	$/#	
D42	#/sx	
Cost	$/sx	2.7370
Cost	$/cft	2.0270
Feet of fill		2700
Casing Size		4.5000
Hole Size		6.1250
Annular Factor		0.0942
Excess		2.7500
Sacks		**520**
Cost		**1423**
Cement Bottom		9500
Cement Top		6800
Placement Time		18
Flush Time		26
Bottom Hole Temp		141
		Prod

CHEVRON U.S.A., Inc.
Well Proposal Data Sheet

Well Name: Bogle Flats Unit #23 Field/Area: Loafer Draw Morrow Date: 11/12/2002
Surf. Loc. : 1650' FNL & 1725' FEL, Section 8, T22S R23E County/State: Eddy Co., N.M.
Shot Pt. for Surf. Loc.: na Authorized TD: 9500' MD
B.H. Target: vertical well @ TVD Actual Est. TD: MD
Shot Pt. for B.H. Target: na Actual Est. TD: TVD

Estimated Formation Tops (based on 4209' GL, 4226' KB est. elevations):

Formation	TVD	Subsea
Strawn	7670	-3444
Atoka	8150	-3924
Morrow	8770	-4544
Morrow Clastics	8920	-4694
TD	9504	-5278

Formation	TVD	Subsea

Suggested Csg Depths: 4 1/2" @ TD (9500') note: 7" is set at 7650',
Required Mud Parameters: >90,000 ppm chlorides and sufficient for quality samples

Sample, Drilling Time & ML Requirements: 2 man mudlogging unit from drill out (7650') to TD

DST's (incl any special requirements): none

Cores (incl est. cost for analysis): none

Anticipated Completion Intervals:

Formation	Depths	Pressures
Morrow sands	8920 - 9100	3300#

Other Potential Pay Zones:

Formation	Depths	Pressures

Type of Logs (incl sidewall cores) and Est. Total Cost:
Run # 1 (logs & intervals): NGT-CNL-LDT, DLL w/ MSFL, BHC Sonic, FMI - Cost est. $22M
Run # 2 (logs & intervals):
Run # 3 (logs & intervals):
Possible Drilling Hazards (High press, lost circ, H2S, deviation, etc.):

Remarks (Special well, production csg size/OH completion or location requirements, etc):

Base Fresh Water: By: Water Board Letter/Other (Specify)
Rule 37/Unorthodox Location?: NO Date Regulatory Approval Expected?:
Required height of tubing spool above GL: Offset Well Data Available? YES
Required Xmas tree size & pressure rating: Completion Type (Flwg/Type Art Lift): subpump

Prep by: 11/27/2002

Date 11/20/2002

WBS No. _____
WBS No. _____
FRSID _____

Field Indian Basin

Lease Bogle Flats Unit Well No. No. 23

Surface Location 1650' FNL & 1725' FEL, S8, T22S, R23E

Bottom Hole Location _____

Approved Total Depth		Estimated Cost				Dev. XXX
9,600	TVD	589,600	Dry Hole Cost	34.0 Days Drill	X Single	Res.
9,600	MD		Completion Cost	Days Compl.	Dual	OSWC
4,209	GL ELEV	589,600	Total	34.0 Days Total	m % Tx. Int.	RWC

ANTICIPATED FORMATION TOPS

Sand Name	TVD Expected	Press Grad. (psi/ft)	BHP	P.P.	Gauge	F.L.	Equiv. Mud Wt.	Antcpd. Prod.	Antcpd. SITP
Strawn	7670								
Atoka	8150								
Morrow	8770								
Morrow Clastics	8920	Pay					7.2	Gas	
Total Depth	9500								

CASING AND CEMENTING DATA

SIZE Hole	SIZE Csg.	Depth			Sacks		Wt. (PPG)	Instructions
			FW	--Surface	L T			
			FW/Brine	--Production	1 All 2 L 2 T			
6.125	4.5	9500			520		14.2	Class "H" 50/50 Poz with 2% gel, 5% salt, 1/4# cell.

Prepared by: B. D. Schaneman Phone # 915-687-7402 Reviewed by: _____

Reviewed by: _____ Approved by: _____

Lease and Well N: Bogle Flats Unit #23

LAND INFORMATION

Distance to Nearest Lease Line: _____

No. Acres in Lease: _____

No. Acres Assigned to Well: _____

Distance to Nearest Well: _____

MUD PROGRAM

Depth	Type	Weight	Remarks
7650-9500'	Fresh Water/Cut Brine	9.1	Starch / LCM for seepage as needed, visc. 29-40
			Flowzan, Barite, BiCarb, Soda Ash, Starch system. Visc. 40
			Chlorides above 90,000 ppm by 8,500'
			Maintain WL of 10 or less below 8800'.

TUBULAR PROGRAM

String Type	Hole Size	Depth	Feet	Casing Diameter	Weight	Grade	Connection Type	ERW/ Seamless	Critical Inspectn
Liner	6-1/8"	9500	2700	4-1/2"	11.6	L-80	LTC	ERW	Drift

Note: Pipe to end up in hole from top to bottom as shown.

CEMENT PROGRAM

String Type	DV Depth	Stage Lead/Tail	Cement Bottom	Cement Top	No Sacks	Cement Type	Cement Yield	Cement Weight
Liner		All	9500	6800	520	50/50 Poz	1.35	14.2
							(175% Excess)	

BOP PROGRAM

Hole Size	Exhibit	Pressure Rating
6-1/8"		3M

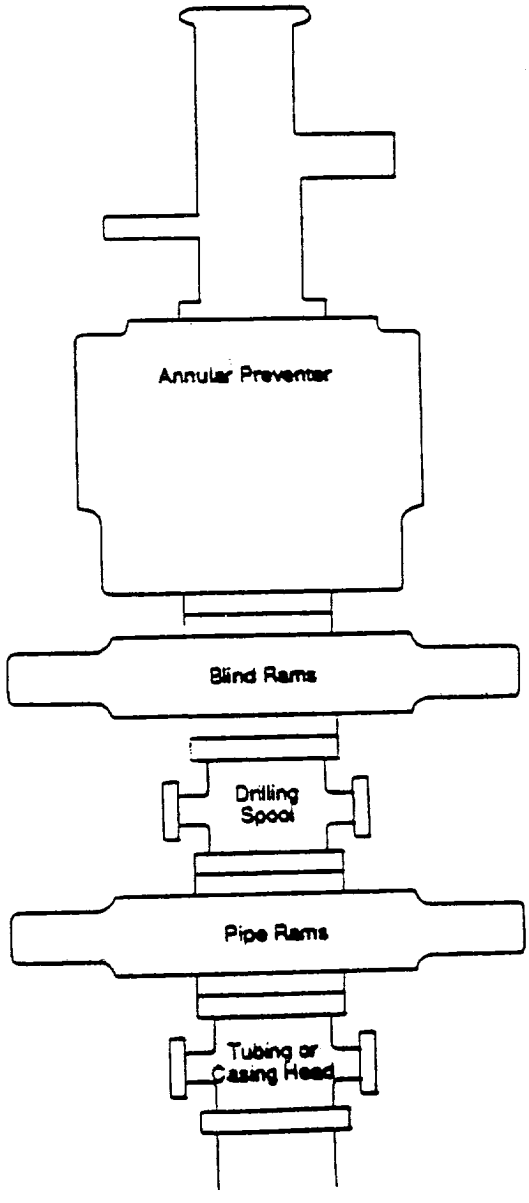
Remarks: Install H2S equipment throughout operations. Cisco is Sour Mud Logger from drill out to TD

Prepared By: B. D. Schaneman Date: 11/20/2002

E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

Figure 11J.4
Class III Blowout Preventer Stack



D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.

2. The minimun internal diameter is 2" (nominal) for outlets, flanges, valves and lines.

3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).

4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.

5. Includes a bleoey line which runs straight through the cross and is isolated by a steel gate valve.

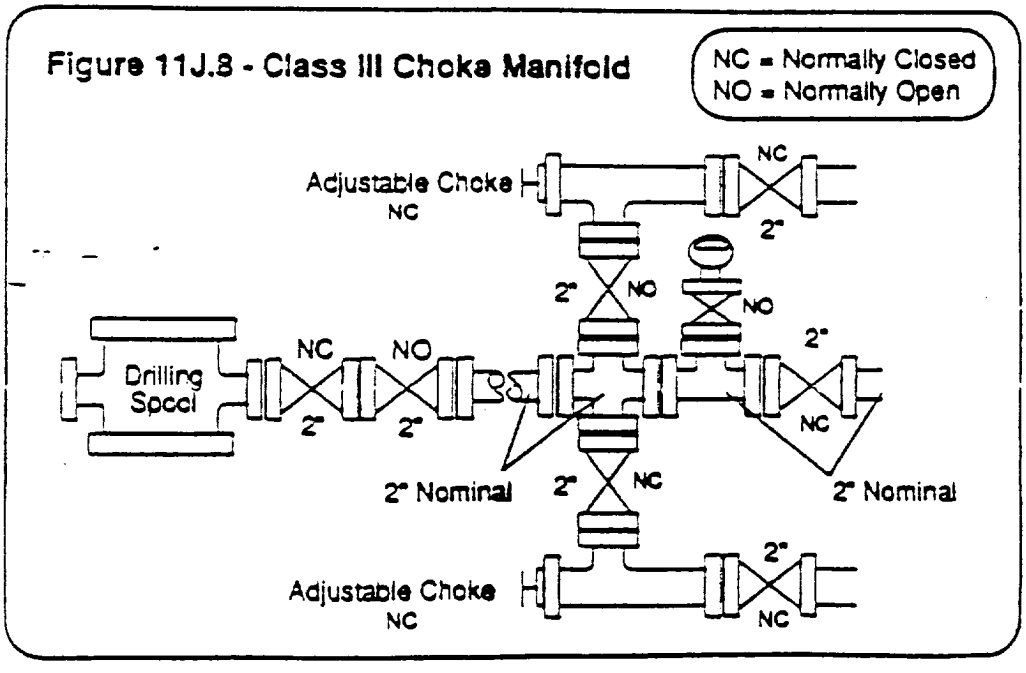
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.

7. Returns through the choke manifold must be divertible through a mud-gas seperator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.

8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

Figure 11J.8 - Class III Choke Manifold

NC = Normally Closed
NO = Normally Open



Well: Bogle Flats Unit #23 Field: Indian Basin Reservoir: Cisco

Location:
1650' FNL & 1725' FEL
Section: 8 (SW/4 NE/4)
Township: 22S
Range: 23E Unit: G
County: Eddy State: NM

Elevations:
GL: 4209'
KB: 4224'
DF: 4223'

Log Formation Tops	
San Andres	477'
Glorieta	1956'
Yeso	2045'
Bone Spring	3202'
Wolfcamp	6214'
Cisco	7063'
Canyon	7450'

TUBING DETAIL - 3/6/2002

KB (15')
241 jts - 2-7/8" J-55 8rd tbg (7514.83')
1 ESP TD-300 Sub Pump (72.21')

EOT landed @ 7602.04'

Pump Detail:

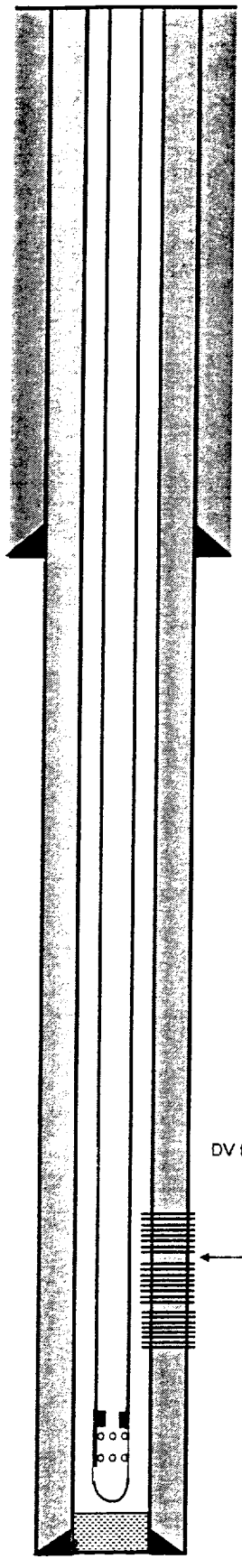
1 ESP 402 Stage TD-300-D Sub Pump
w/ 5 1/2" Shroud
#4 Flat & Round Sub Pump Cable

EOT @ 7602'

COTD: 7638'
PBTD: 7638'
TD: 7650'

Updated: 11-25-02 by WAYN

Current Wellbore Diagram



Perfs
6963-6967', 6972-6980', 7063-7067', 7072-7080',
7102-7106', 7113-7117', 7120-7124', 7126-7130',
7138-7142', 7160-7164', 7166-7170', 7190-7194',
7204-7208', 7227-7231' & 7251-7255'

Status Cisco - open

By: W.P. Johnson

Well ID Info:
Chevno:
API No: 30-015-32041
L5/L6:
Spud Date: 10/18/2001
Rig Released: 11/10/2001
Compl. Date: 1/22/2002

Surface Csg: 9 5/8", 36#, K-55 STC
Set: @ 1410' w/ 640 sx cmt (100 class H & 440 class C)
Hole Size: 12 1/4" to 1410'
Circ: Yes **TOC:** surface
TOC By: Circulation (135 sx cmt)

Initial Completion:
12/13/01 Perf (4SPF) 6963-6967', 6972-6980', 7102-7106',
7113-7117', 7120-7124', 7126-7130', 7138-7142', 7160-7164',
7166-7170', 7190-7194', 7204-7208', 7227-7231' & 7251-7255'
Acdz 6963-7255' w/2500 gal 15% NEFE HCL.
Acdz 6963-7255' w/14000 gal 15% NEFE HCL
w/ 4000# rock salt in 3 stages

2/25/02 Acdz 6963-7255' w/30000 gal 15% NEFE HCL.

5/24/02 Perf (4SPF) 7063-7067' & 7072-7080'.
Acdz 7063-7080' w/5000 gal 15% NEFE HCL.

Prod. Csg: 7", 23# & 26# K-55
Set: @ 7650' w/ 930 sx cmt (DV tool @ 6913')
Hole Size: 8 3/4" to 7650'
Circ: Yes **TOC:** surface
TOC By: Circulation (33 sx cmt)