

JAN 21 2009
OCD-ARTESIA

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Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

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

2. Name of Operator
ST. MARY Land & Exploration

3a. Address 3300 W. R. St. Box 7-202
Midland TX 79705
3b. Phone No. (include area code)
432-695-1706

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 34 T. 19 S. R. 29 E. 810 FSC & 990 FWL

5. Lease Serial No.
NM 90807

6. If Indian, Allottee or Tribe Name

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

TURKEY FEDERAL

8. Well Name and No.
2

9. API Well No.

300-15-25123

10. Field and Pool, or Exploratory Area

EAST BOXED FLAT

11. County or Parish, State

CHAPARRAL

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.)

1. T136. 5850' SPOT 35 3x5 CLMT 1200' TAG 2. C. 1100' 3x5 CLMT 1200' TAG 3. T136. 3400' SPOT 35 3x5 CLMT 1200' TAG 4. T136. 1900' 3x5 CLMT 1200' TAG 5. Port 1550' 3x5 CLMT 1200' TAG 6. Port 1100' 3x5 CLMT 1200' TAG 7. Port 1150' 3x5 CLMT 1200' TAG 8. 9. 10 5x5 50' 1200' TAG

ACCEPTED FOR RECORD

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

JAN 21 2009

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed) Gary Cure, Deputy Field Inspector
Title Agent
Signature [Signature] Date 1-6-09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
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.

Title

Office

Date

JAN 11 2009

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.

JAMES A. AMOS
SUPERVISOR-EPS

(Instructions on page 2)

CURRENT WELLBORE DIAGRAM

Page 5 of 9

LEASE: Tuesday Federal	WELL: #1	FIELD: East Burton Flat	API: 300-15-25123
LOC: 810' FSL & 990' FWL	SEC: 34	BLK:	Reservoir
SVY: Sec 34 T19S R29E	GL: 3340'	CTY/ST	SPUD: 1/11/1985
CURRENT STATUS: SI	KB: 3358'	DF: 3357'	TD DATE: 3/12/1985
			COMP. DATE: 4/2/1985

300' of Conductor Pipe
required 505 sx to get cmt
to surface

HOLE SIZE: 17.5"
SURF CSG & SIZE: 13-3/8" 48#
SET @: 1120'
SXS CMT: 700 sx C
CIRC: yes: 45 sx to surf
TOC AT: surface
TOC BY:

COMMENTS:
Lost circulation @ 2066'.

*****GEOLOGY*****

TOPS OF ALL ZONES
PRODUCTIVE OF HYDRO-
CARBONS:
Delaware: 3350'
Bone Spring: 5640'
Wolfcamp: 9282'
Cisco Canyon: 9790'
Strawn: 10356'
Atoka: 10788'
Morrow: 10912'
Barnett: 11648'

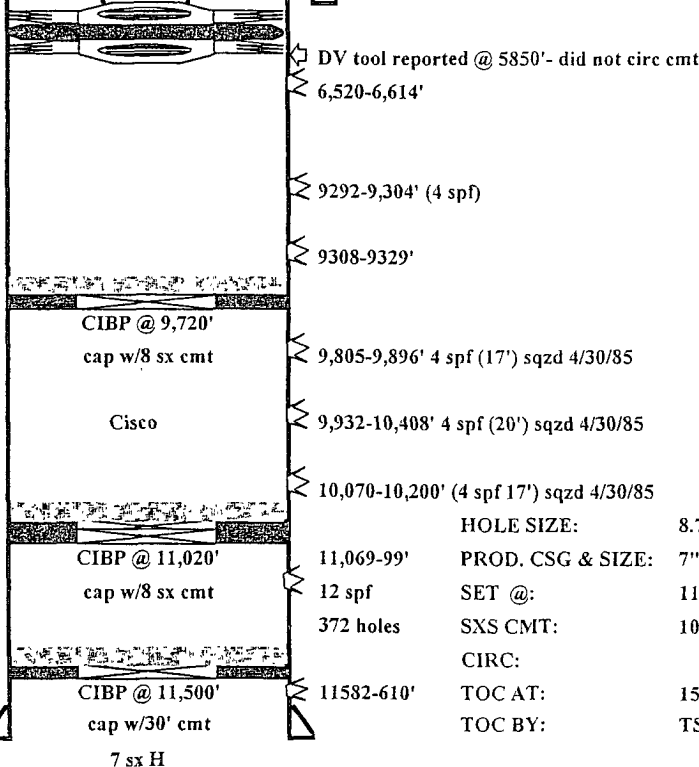
HOLE SIZE: 12.25"
INT. CSG & SIZE: 9-5/8" 36# K-55
SET @: 2972'
SXS CMT: 775 sx C
CIRC:
TOC AT: 2016' (top of "ratty" cmt * SEE SQZ JOBS BELOW
TOC BY: CBL dated 1/19/85

CURRENT PERFS:

TBG:
JTS:
SN:
TAC:
ROD SIZE:

PKR:
TYPE:

OH ID:
COTD:
PBDT:
TD:



SQUEEZE JOBS:

Notes seem to indicate they sqz'd 13-3/8 X 9-5/8" w either 129 sx or 179 sx "C" cmt. Bond log showed some cmt from 2016'

HOLE SIZE: 8.75"
PROD. CSG & SIZE: 7" 26# & 29# L-80
SET @: 11,908'
SXS CMT: 1000 sx H + 1000 sx Celloflake
CIRC:
TOC AT: 1550'
TOC BY: TS (RUN FROM 5921' TO SURF)

BY: BHH
12/16/2008

OPEN HOLE:

LINER:

(4 STRING CSNG)

OPERATOR: ST. MARY Exploration

LEASERNAME Top Secret Federal

[illegible]

SECT _____ TWIN _____ RING _____
FROM _____ N/S L _____ EW _____

TO: _____ INFORMATION @ T_____

PBTD: [REDACTED] FORMATION @ PBTD

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/4	1120	Surface	
INTMED 1	9 3/4	2912	30R	CBA
INTMED 2				
PROD	7	11,923	1550	R.H.H.
	SIZE	TOP	BOT	TOC DETERMINED BY
LINER 1				
LINER 2				
	CUT & PULL @			TOP - BOTTOM
INTMED 1			17500	-
INTMED 2			17500	-
PROD				

*** RECORDED & INDEXED DISTRICT 1**

[illegible][illegible]

TOC

TD

St. Mary Land & Exploration
NMNM9087: Tuesday Federal 1
810' FSL & 990' FWL Sec. 34, T19S-R29E
Eddy County, New Mexico

RE: Plugging and Abandonment Requirements, Conditions of Approval

1. Set CIBP @ 9280' and cap with 35' cement using a dump bailer or spot a 25 sack plug on top of CIBP.
2. Spot a 335' cement plug from 5925'-5590' (covers the DVT and the top of the Bone Spring formation).
3. Spot a 130' cement plug from 3415'-3285' (covers the top of the Delaware formation and isolates the Capitan Reef).
4. Spot a 130' cement plug from 3037'-2907' (covers the 9-5/8" casing shoe), WOC and tag no lower than 2907'. Note: Plug 3 & 4 could be combined as one plug from 3415'-2907'.
5. Perforate the 7" casing @ 1170', squeeze with adequate cement to fill from 1170'-1070' in/out of the 7" casing (covers the 13-3/8" casing shoe). WOC and tag no lower than 1070'.
6. Perforate the 7" casing @ 835', squeeze with adequate cement to fill from 835'-735' (covers the base of the salt). WOC and tag no lower than 735'.
7. Perforate the 7" casing @ 450', squeeze with adequate cement to fill 7" casing and the annulus of the 7"x 9-5/8" casing from 450' to surface. Cap off as needed.

See attached standard COA's.

James A. Amos
575-234-5909

1/11/09

HOLE SIZE 17.5"

300' Conductor
Circ.

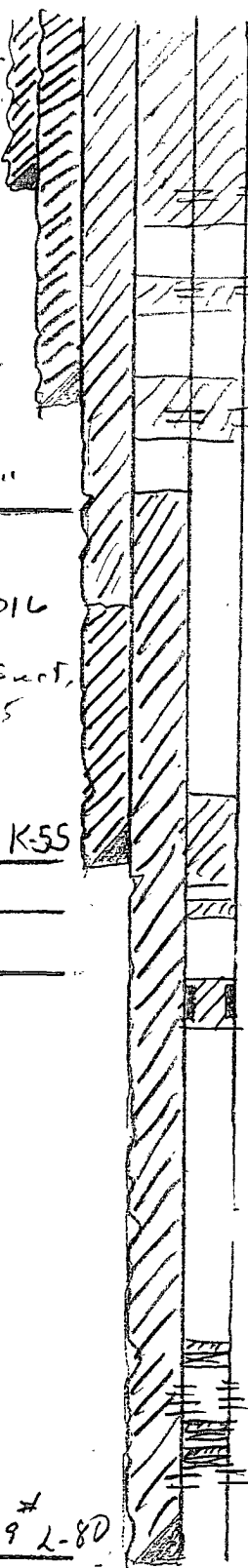
CASING SIZE 13 3/8" 48#
TD 1120'

HOLE SIZE 12.250"

TDC 2016
CBL
SQ To Surf.
611185

CASING SIZE 9 5/8" 36# K55
TD 2972
HOLE SIZE 8 3/4"

CASING SIZE 7" 26/29 L-80
TD 11908



SALT SECTIONS TOP 450
BASE 785
RIMP

CAVE / KARST
SPEC. WATER
TDC SURF
INT
PROD

FORMATIONS	Restler	Comp.
T Salt		420
B Salt		785
B Cap.		3100
Del		3350
BS		5640
WC		9280
St		9790
At		10788
MR		10912
Barnett		11648

Set CIBP @ 9280 Cap w/ 35' cmt.

② CIBP @ 9720 + 85' cmt.
② CIBP @ 11020 + 85' cmt.

DVT 5850 1st. NO Cir.

PERFORATIONS
② MR 11069-11099
② WC 9292-9304
9308-9329

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

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 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

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 25 sacks 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 Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

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.