

UNITED 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 deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

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

2. Name of Operator
Taurus Exploration, U.S.A., Inc.

3. Address and Telephone No.
2198 Bloomfield Highway; Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1810' FNL, 345' FEL, Sec. 24, T25N, R3W, NMPM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM-04075

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Arco Hill 23 #1

9. API Well No.
30-039-24049

10. Field and Pool, or exploratory Area
West Lindrith Gallup-Dakota

11. County or Parish, State
Rio Arriba NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA:	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
JAN 27 1998
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Title Production Superintendent

Date

12/18/97

(This space for Federal or State office use)

Approved by

Title

for Chief, Lands and Mineral Resources

Date

JAN 26 1998

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, 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.

PLUG & ABANDONMENT PROCEDURE

12-15-97

Arco Hill #23-1

West Lindrith Gallup / Dakota
1810' FNL and 345' FWL / NW, Section 23, T-25-N, R-3-W
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Taurus safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. POH and tally 2-7/8" tubing (254 joints, 8167'); visually inspect the tubing. If necessary, PU 2" workstring. Run 5-1/2" gauge ring to 8136' or as deep as possible.
3. **Plug #1 (Dakota perforations and top, 8100' - 7934')**: PU 5-1/2" cement retainer and RIH; set at 8100'. Pressure test tubing to 1000#. Pump 50 bbls water down tubing. Mix 22 sxs Class B cement and spot a plug above the CR to isolate the Dakota. POH with tubing.
4. **Plug #2 (Gallup perforations and top, 7000' - 6892')**: RIH and set 5-1/2" cement retainer at 7000'. Load casing with water and pressure test to 500#. Mix 16 sxs Class B cement and spot above retainer to isolate the Gallup perforations and top. POH to 5446'.
5. **Plug #3 (Mesaverde top, 5446' - 5346')**: Mix 15 sxs Class B cement and spot a balanced plug inside casing to cover Mesaverde top. POH to 3764'.
6. **Plug #4 (Pictured Cliffs top, 3764' - 3664')**: Mix 15 sxs Class B cement and spot a balanced plug inside casing to cover Pictured Cliffs top. POH with tubing.
7. **Plug #5 (Fruitland, Kirtland and Ojo Alamo tops, 3620' - 3382')**: Perforate 3 HSC squeeze holes at 3620'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 3626'. Establish rate into squeeze holes. Mix 99 sxs Class B cement, squeeze 70 sxs cement outside casing and leave 29 sxs inside casing. POH with tubing.
8. **Plug #6 (Nacimiento top, 1803' - 1703')**: Perforate 3 HSC squeeze holes at 1803'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1753'. Establish rate into squeeze holes. Mix 45 sxs Class B cement, squeeze 30 sxs cement outside casing and leave 15 sxs inside casing. POH and LD tubing.
9. **Plug #7 (Surface casing shoe, 821' - 721')**: Perforate 3 HSC squeeze holes at 821'. Establish circulation out bradenhead valve. RIH with tubing to 821'. Mix and spot 45 sxs Class B cement inside 5-1/2" casing, POH and LD tubing, fill casing with water and squeeze 30 sxs outside casing and leave 15 sxs inside casing. SI well and WOC. RIH and tag cement with wireline.
9. **Plug #8 (50' - Surface)**: Perforate 2 HSC squeeze holes at 50'. Establish circulation out bradenhead valve. Mix and pump approximately 15 sxs Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
10. ND BOP and cut off wellhead below surface casinghead. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Arco Hill #23-1

Current

West Lindrith Gallup/ Dakota

1810' FNL & 345' FWL

NW, Section 23, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 12-15-97

Spud: 5-25-86

Completed: 8-8-86

Elevation: 7322' (KB)

Logs: FDC/CNL/GR; DIL/FSL;
T.S. & CBL

12-1/4" hole

8-5/8" 24# K-55 Csg set @ 771'
500 sxs cement (Circulated to Surface)

WORKOVER HISTORY

Jun '90: Pull and LD rods, pump and anchor; land tubing.

Jul '90: Swab well several times;
return well to production.

Nacimiento @ 1753'

Ojo Alamo @ 3412'

Kirtland @ 3538'

Fruitland @ 3626'

Pictured Cliffs @ 3714'

Mesaverde @ 5396'

Gallup @ 6942'

Dakota @ 7984'

2-7/8" Tubing Set @ 8167'
(254 jts, 6.5#, SN @ 8135')

Top of Cmt @ 3640' (TS)

DV Tool @ 6279'
Cmt w/1025 sxs

TOC @ 6382' (CBL)

Gallup Perforations: 7056' - 7344'

Dakota Perforations: 81406' - 8176'

5-1/2" 23&26#, L80&S95 Casing set @ 8249'
Cement with 450 sxs

7-7/8" Hole

PBTD 8219'

TD 8253'

Arco Hill #23-1

Proposed P&A

West Lindrith Gallup/ Dakota

1810' FNL & 345' FWL

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Spud: 5-25-86

Completed: 8-8-86

Elevation: 7322' (KB)

Logs: FDC/CNL/GR; DIL/FSL;
T.S. & CBL

12-1/4" hole

Nacimiento @ 1753'

Ojo Alamo @ 3412'

Kirtland @ 3538'

Fruitland @ 3626'

Pictured Cliffs @ 3714'

Mesaverde @ 5396'

Gallup @ 6942'

Dakota @ 7984'

PBTD 8219'

7-7/8" Hole

TD 8253'

Plug #8 50' - Surface
Cmt with 15 sxs Class B

Perforate @ 50'

8-5/8" 24# K-55 Csg set @ 771'
500 sxs cement (Circulated to Surface)

Perforate @ 821'

Plug #7 821' - 721'
Cmt with 45 sxs Class B,
30 sxs outside casing
and 15 sxs inside.

Cement Ret @ 1753'

Perforate @ 1803'

Plug #6 1803' - 1703'
Cmt with 45 sxs Class B,
30 sxs outside casing
and 15 sxs inside.

Plug #5 3620' - 3382'
Cmt with 99 sxs Class B,
70 sxs outside casing
and 29 sxs inside.

Cement Ret @ 3470'

Perforate @ 3620'

Top of Cmt @ 3640' (TS)

Plug #4 3764' - 3664'
Cmt with 15 sxs Class B

Plug #3 5446' - 5346'
Cmt with 15 sxs Class B

DV Tool @ 6279'
Cmt w/1025 sxs

TOC @ 6382' (CBL)

Plug #2 7000' - 6892'
Cmt with 16 sxs Class B

Set CR @ 7000'

Gallup Perforations: 7056' - 7344'

Plug #1 8100' - 7934'
Cmt with 22 sxs Class B

Set CR @ 8100'

Dakota Perforations: 8140' - 8176'

5-1/2" 23&26#, L80&S95 Casing set @ 8249'
Cement with 450 sxs

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Taurus Expl., USA, Inc. Well Name Arco Hill 23 #1

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made : None