

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

Questar Exploration and Production Company

3. Address and Telephone No.

1331 17th Street, Suite 800, Denver, CO 80202 (303)672-6916

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

955' FNL & 600' FWL, Sec 3, T23N-R7W

5. Lease Designation and Serial No.

SF-078272A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

Well Name and No.

Nageezi Federal 3 #2

9. API Well No.

31-039-26217

10. Field and Pool, or Exploratory Area

Lybrook - Gallup

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

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Casing/Cementing Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

The subject well was spud on 10/29/99. A 12 1/4" hole was drilled for surface casing and a 7 7/8" hole was drilled for the long string.

Please see attached casing and cementing detail.

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

Signed

Larry Okuma

Title

Sr. Petroleum Engineer

Date

12/22/1999

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United State any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NOCD

FARMER'S OFFICE
BY *5-27*

QUESTAR EXPLORATION & PRODUCTION COMPANY

Casing/Liner Landing Details

Version 1

Qty	Description	Size (O.D.)	Weight	Grade	Threads	Length	Ref#	CEMENTING DETAILS																																							
				Cement Company:		DOWELL / SCHLUMBERGER		Yard Location:		FARMINGTON, NEW MEXICO																																					
9		JOINTS CASING		8 5/8	24	J-55	ST&C	404.40																																							
									First Stage			Circulation Time & Rate			Returns (Full/Partial):																																
									PRIMARY			Prior To Cementing:			1/2			6.5			BPM			FULL																							
									Cement			Type			No. Sacks			Pump Time @ Temp			Yield Cu. Ft./Sx			Est. Weight			Actual			Mix Water Gal./Sx			Comp. PSI			Strength @			Hrs			WL cc			Free Water%		
									Lead			CLASS "B"			300			Hrs. @			1.19			15.4			15.4			5.72																	
									Tail									Hrs. @																													
									Lead Cement Additives:			2% S1 0.25 % D29																																			
									Tail Cement Additives:																																						
									Spacer Type:			WATER			Volume:			20			Weight:			8.3			PV:			YP:																	
									Cement Displacement Rate:			5 BPM			Displaced With (Cemented Unit/Pump):			CU			Estimated TOC:			1			Plug Bumped?			Yes			No			SURE											
									Cement Returns?			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			Early Returns?			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			Est. Sacks Circulated:			94			Number of Plugs Used:			1			Plug Bumped?			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
									Second Stage			DV Tool Located @:			MD			Circulation Time & Rate			Hrs. @			BPM			Returns (Full/Partial):																				
									Cement			Type			No. Sacks			Pump Time @ Temp			Yield Cu. Ft./Sx			Est. Weight			Actual			Mix Water Gal./Sx			Comp. PSI			Strength @			Hrs			WL cc			Free Water%		
									Lead						Hrs. @																																
									Tail						Hrs. @																																
									Lead Cement Additives:																																						
									Tail Cement Additives:																																						
									Spacer Type:						Volume:						Weight:						PV:			YP:																	
									Cement Displacement Rate:			BPM			Displaced With (Cemented Unit/Pump):						Estimated TOC:																										
									Cement Returns?			Yes <input type="checkbox"/> No <input type="checkbox"/>			Early Returns?			Yes <input type="checkbox"/> No <input type="checkbox"/>			Est. Sacks Circulated:						Number of Plugs Used:						Plug Bumped?			Yes <input type="checkbox"/> No <input type="checkbox"/>											
									Remarks:			CIRCULATED 20 BBL - 94 SACKS OF GOOD CEMENT TO RESERVE PIT- CEMENT STAYED AT SURFACE.																																			
									Casing Was Landed w/ Landing Joint.																																						
									HTHP WL:			PV:			YP:			Gels:			WL:																										
									SOLIDS:			% Oil:			Sands:			PH:																													
									AKL:			CL:			CA:			XLime:			Elec Stab:																										
									Casing Reciprocation?:			NO			Length Of Strokes:			Ft			Time:			Hrs																							
									Casing Rotated?:			NO			Time Casing Moved After Bumping Plug:						Hrs																										
									Number Of Centralizers/Wipers:			0 /			Type:			/																													
									Spacing:																																						
									Drilling Representative:			GARR ROBERTS			Field:			LYBROOK/GALLUP			Lease:			NEGEEZI FEDERAL			Well Number:			3 - # 2			AFE No:			13742			Date:			10/30/99					

QUESTAR EXPLORATION & PRODUCTION COMPANY

Casing/Liner Landing Details

Version 1

Qty	Description	Size (O.D.)	Weight	Grade	Threads	Length	Ref#	CEMENTING DETAILS																					
								Cement Company:				Yard Location:																	
								DOWELL / SCHLUMBERGER				FARMINGTON, NEW MEXICO																	
1	FLOAT SHOE					1.95		Circulation Time & Rate				Returns (Full/Partial):																	
								First Stage				Prior To Cementing:																	
1	JOINT CASING	4 1/2	11.60	J-55	LT&C	43.07		PRIMARY		Yield		Hrs @		BPM															
								Cement		No. Sacks		Pump Time @ Temp		Cu. Ft./Sx		Est. Weight		Actual		Mix Water Gal./Sx		Comp. PSI		Strength @ Hrs		WL cc		Ft/Sec Water 2%	
1	FLOAT COLLAR					1.65		Lead		50/50 POZ "B"		130		Hrs. @		1.45		12.8		12.8		7.14							
23	JOINTS CASING	4 1/2	11.60	J-55	LT&C	971.86		Tail						Hrs. @															
1	DV TOOL					2.35		Lead Cement Additives:		2% D20, 0.5% D60, 0.2% D65, 0.25 PPS D29																			
109	JOINTS CASING	4 1/2	11.60	J-55	LT&C	4676.7		Tail Cement Additives:																					
								Spacer Type:		CW-100		Volume:		20		Weight:		8.5		PV:		YP:							
								Cement Displacement Rate:		5 BPM				Displaced With (Cemented Unit/Pump):		CU		Estimated TOC:											
								Cement Returns?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Early Returns?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Est. Sacks Circulated:		5		Number of Plugs Used:		1		Plug Bumped?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
								Liner Hanger (If Applicable):																					
								Total Pipe Installed:																					
								Less Cutoff Piece(s) and Landing Joints:																					
								DP To Land Liner (If Applicable) TOL @:																					
								Plus KBE (One Ft. Above Rotary to Last CHF):																					
								Casing Set @:		5.694 TYD		5.694 MD		MD Hole Size:		7 7/8		Total:		5694									
								Last Casing Size:		8 5/8		@ 415																	
								Hole Volume From Calliper Log:																					
								Mud Properties Prior To Cementing:		BBLs		WT: 9.2		Type: LSND															
								PV: 53		YP: 20		Gels: 3 / 10		WL: 8															
								HTHP WL: 8		Solids: 7		% Oil: 7		Sands: 8.5		PH: 8.5													
								AKL: 700		CL: 40		XLime: 40		Elec Slab: 8.5															
								Casing Reciprocation?: NO		Length Of Strokes: 40		Ft		Time: Hrs															
								Casing Rotated?: NO		Time Casing Moved After Bumping Plug:				Hrs															
								Number Of Centralizers/Wipers: 1 /		Type: WEATHERFORD				BIG BOW															
								Spacing: MIDDLE #1 TOP #2 TOP #6 TOP #8 TOP #23 TOP #25																					
								Drilling Representative: GARR ROBERTS		Field: LYBROOK/GALLUP		Lease: NEGEEZ FEDERAL		Well Number: 3 - #2		AFE No: 13742		Date: 11/7/99											