

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 re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

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

5. Lease Serial No.  
**NMSF078464**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**BIG JAKE #1**

9. API Well No.  
**30-045-30050**

10. Field and Pool, or Exploratory Area  
**BASIN FRUITLAND COAL**

11. County or Parish, State  
**SAN JUAN COUNTY, NEW MEXICO**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

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

2. Name of Operator **PATINA OIL AND GAS**

3a. Address  
**5802 US HIGHWAY 64 FARMINGTON, NM 87401**

3b. Phone No. (include area code)  
**505-632-8056**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1770' FSL AND 800' FWL  
L Sec. 26-T31N-R13W NMPM**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 recomple 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 recomple 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.)

**PATINA SAN JUAN HAS PLUGGED AND ABANDONED THIS WELL IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE BLM AND THE STATE OF NEW MEXICO.**

**THE WELL WAS PLUGGED AND ABANDONED APRIL 24, 2007 PER ATTACHED REPORTS.**

**RCVD MAY16'07  
OIL CONS. DIV.  
DIST. 3**

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

**JEAN M. MUSE**

Title **REGULATORY COMPLIANCE**

Signature

Date

**05/10/2007**

**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

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.

**ACCEPTED FOR RECORD**

(Instructions on page 2)

**MAY 11 2007**

**NMOCD**

**FARMINGTON FIELD OFFICE**

Date: Thu 04/26/2007 Rpt#:4

WELL: <b>BIG JAKE 1</b>	Contractor: <b>AZTEC WELL SERVICE</b>	Spud Date:
ID: 30-045-30050	RIG: 731	State: NM
DSS: 0	DOL: 4	County: SAN JUAN
AFE#: 07PA5001	GL Elev:	LAST CSG TEST:
DIV: PATINA DEV	RKB to GL:	LAST BOP TEST:
CO MEN: Keith Stills	RKB to Sea Lvl:	BOP TEST DUE:
PROGRESS: 0 HRS: 0	LAST CASING: EMW:	BOP FUNC TST DUE:
MD: 0 TVD: 0 PBMD:	SHOE MD: SHOE TVD:	CSG DATE SET:
Plan MD: Plan TVD:	Wgt: Grd:	

Current Activity: RD rig.  
Operation Summary:  
24 Hour Forecast:

[illegible]

SLOW PUMP

## RATES

Std Pipe	PUMP#1 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Tot GPM 0	PUMP#2 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Pump HP 0	PUMP#3 Liner Sz	S.L.	SPM	GPM	0	psi@	spm

Jet Vel:0.0 AV (DP):0.0 AV (DC):0.0 PSI Drop:0 BitHP:0.0 Hp/In<sup>2</sup>:0.0 ImpForce:0.0

Mud Properties			Mud Logging		SURVEYS									
Time	Location	FLOWLINE	FLOWLINE	BKGD Gas	MD	Angle	TVD	Dir	V.Sect	+N/-S	+E/-W	D.L		
Temp				Conn Gas										
Depth				Trip Gas	TOTCO SURVEYS									
Weight	0	0											MD	Angle
FV														
PV				PERSONNEL		BHA#								
YP				Company	Qty	Drill Pipe OD:								
Gels 10s/10m/30m				AZTEC WELL SERV	0	Qty	Description	O.D.	Length					
				STILLS CONSULTI	0									
				Personnel	12	BHA Hrs: Total BHA Length:								
				MUD ITEM	Used	CSG Size	CSG Name	Depth-MD						
						Inch	@							
				DAILY MUD	\$0.00	BULK ITEM	RECVD	USED	END INV					
				CUM MUD	\$0.00		0	0						
API WL														
HTHP														
Cake														
Solids														
Oil Cont														
Wtr Cont														
Sand Cont														
MBT														
Ph														
Pm														
Pt/Mf														
Chloride														
Calcium														
% LGS														
3 RPM														
6 RPM														
100 RPM														

200 RPM				
300 RPM				
600 RPM				
SHAKER 1 (T/B): / /				
SHAKER 2 (T/B): / /				
SHAKER 3 (T/B): / /				
SHAKER 4 (T/B): / /				
DESANDER (HRS RUN):				
DESILTER (HRS RUN):				
CENTRIFUGE (HRS RUN):				
From	To	Hrs	Cd	Activity Last 24 Hours
09:00	09:30	0.50	07	Safety meeting, service rig.
09:30	11:00	1.50	01	RD rig. Released rig @ 1100 Hrs on 04/25/07. Rig moved to Montoya 1C.
Total Hrs 2.00		Attention: Billie Maez		
WELL	BIG JAKE 1	Date	04/26/2007	Daily \$ \$990 DSS 0 DOL 4
AFE	07PA5001	AFE\$	\$0	Cum \$ \$36,120 Total Depth 0

**Noble Energy Inc Daily Drilling Report**      Date: Wed 04/25/2007 Rpt#:3

WELL: <b>BIG JAKE 1</b>	Contractor: <b>AZTEC WELL SERVICE</b>	Spud Date:
ID: 30-045-30050	RIG: 731	State: NM
DSS: 0	DOL: 3	County: SAN JUAN
AFE#: 07PA5001	GL Elev:	LAST CSG TEST:
DIV: PATINA DEV	RKB to GL:	LAST BOP TEST:
CO MEN: Keith Stills	RKB to Sea Lvl:	BOP TEST DUE:
PROGRESS: 0 HRS: 0	LAST CASING: EMW:	BOP FUNC TST DUE:
MD: 0 TVD: 0 PBMD:	SHOE MD: SHOE TVD:	CSG DATE SET:
Plan MD: Plan TVD:	Wgt: Grd:	

Current Activity: Plug the Fruitland Coal formation.  
 Operation Summary:  
 24 Hour Forecast:

WELL COSTS	STRING WEIGHTS
<b>PLUG &amp; ABANDON</b>	Pick Up
DAILY \$16,885	Slack Off
CUM \$35,130	Rot Wt
AFE \$0	Torque-AMPS

Trip	Bit#	Size	Mfg	Model	Bit In	Bit Out	Ftg	Cum Hr	ROP	WOB	RPM	Jets	T	B	G	om

**RATES**

Std Pipe	PUMP#1 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Tot GPM 0	PUMP#2 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Pump HP 0	PUMP#3 Liner Sz	S.L.	SPM	GPM	0	psi@	spm

Jet Vel:0.0 AV (DP):0.0 AV (DC):0.0 PSI Drop:0 BitHP:0.0 Hp/In<sup>2</sup>:0.0 ImpForce:0.0

Mud Properties	Mud Logging	SURVEYS
Time	BKGD Gas	MD Angle TVD Dir V.Sect +N/-S +E/-W D.L
Location FLOWLINE FLOWLINE	Conn Gas	
Temp	Trip Gas	
Depth		<b>TOTCO SURVEYS</b>
Weight 0 0		MD Angle
FV		
PV		
YP		
Gels 10s/10m/30m		
	<b>PERSONNEL</b>	<b>BHA#</b>
API WL	Company Qty	Drill Pipe OD:
HTHP	AZTEC WELL SERV 2	Qty Description O.D. Length
Cake	B.L.M. 0	
Solids	BASIC ENERGY 0	
Oil Cont	HALLIBURTON 1	BHA Hrs: Total BHA Length:
Wtr Cont	STILLS CONSULT 0	CSG Size CSG Name Depth-MD
Sand Cont	Personnel 77	Inch @
MBT	<b>MUD ITEM</b> Used	<b>BULK ITEM RECVD USED END INV</b>
Ph		
Pm		
P/Mf	DAILY MUD \$0.00	
Chloride	CUM MUD \$0.00	
Calcium		
% LGS		
3 RPM		
6 RPM		
100 RPM		

200 RPM			
300 RPM			
600 RPM			
SHAKER 1 (T/B): / / SHAKER 2 (T/B): / / SHAKER 3 (T/B): / / SHAKER 4 (T/B): / / DESANDER (HRS RUN): DESILTER (HRS RUN): CENTRIFUGE (HRS RUN):			
<b>From</b>	<b>To</b>	<b>Hrs</b>	<b>Cd</b>
<b>Activity Last 24 Hours</b>			
07:00	07:30	0.50	07
Safety meeting, service rig.			
07:30	09:00	1.50	01
Wait on cement truck. RU cement truck.			
09:00	10:30	1.50	24
Mix and displace 50 sacks of Class B cement. (6.7 bbls of cement below the retainer and 3.8 bbls left above the retainer.) 1st plug: Top of cement @ 1,557 ft, Bottom of cement @ 2,093 ft.			
10:30	12:30	2.00	23
POOH, lay down 44 jts of tubing. Pull 10 jts and lay down running tool. Run back in the hole with 10 jts.			
12:30	14:00	1.50	24
RU cement truck. Set cement plug of 50 sacks from 325 ft to surface. Lay down 10 jts. RD cement truck. Plug set as per BLM representative.			
14:00	16:30	2.50	01
RD floor, tongs, etc. ND BOP. Clean up location.			
Total Hrs 9.50			
Attention: Billie Maez			
WELL	BIG JAKE 1	Date	04/25/2007
Daily \$	\$16,885	DSS	0
DOL	3		
AFE	07PA5001	AFES	\$0
Cum \$	\$35,130	Total Depth	0

#1 2093-1557  
#2 325-0

**Noble Energy Inc Daily Drilling Report**      Date: Tue 04/24/2007 Rpt#:2

<b>WELL: BIG JAKE 1</b>	Contractor: AZTEC WELL SERVICE	Spud Date:
ID: 30-045-30050	RIG: 731	State: NM
DSS: 0	DOL: 2	County: SAN JUAN
AFE#: 07PA5001	GL Elev:	LAST CSG TEST:
DIV: PATINA DEV	RKB to GL:	LAST BOP TEST:
CO MEN: Keith Stills	RKB to Sea Lvl:	BOP TEST DUE:
PROGRESS: 0 HRS: 0	LAST CASING: EMW:	BOP FUNC TST DUE:
MD: 0 TVD: 0 PBMD:	SHOE MD: SHOE TVD:	CSG DATE SET:
Plan MD: Plan TVD:	Wgt: Grd:	

Current Activity: ND-NU. POOH with tubing. RIH and set a 4 1/2" retainer.  
 Operation Summary:  
 24 Hour Forecast:

WELL COSTS	STRING WEIGHTS
<b>PLUG &amp; ABANDON</b>	Pick Up
DAILY \$8,565	Slack Off
CUM \$18,245	Rot Wt
AFE \$0	Torque-AMPS

Trip	Bit#	Size	Mfg	Model	Bit In	Bit Out	Ftg.	CumHr	ROP	WOB	RPM	Jets	T	B	G	oth

**RATES**

Std Pipe	PUMP#1 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Tot GPM 0	PUMP#2 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Pump HP 0	PUMP#3 Liner Sz	S.L.	SPM	GPM	0	psi@	spm

Jet Vel:0.0 AV (DP):0.0 AV (DC):0.0 PSI Drop:0 BitHP:0.0 Hp/In<sup>2</sup>:0.0 ImpForce:0.0

Mud Properties			Mud Logging		SURVEYS							
Time	Location	FLOWLINE	FLOWLINE	BKGD Gas	MD	Angle	TVD	Dir	V.Sect	+N/-S	+E/-W	D.L
Temp				Conn Gas								
Depth				Trip Gas	TOTCO SURVEYS							
Weight	0		0									
FV												
PV					MD	Angle						
YP												
Gels 10s/10m/30m												
API WL												
HTHP												
Cake												
Solids												
Oil Cont												
Wtr Cont												
Sand Cont												
MBT												
Ph												
Pm												
Pf/Mf												
Chloride												
Calcium												
% LGS												
3 RPM												
6 RPM												
100 RPM												

PERSONNEL		BHA#			
Company	Qty	Drill Pipe OD:			
AZTEC WELL SERV	2	Qty	Description	O.D.	Length
BASIC ENERGY	0				
STILLS CONSULTI	0	BHA Hrs: Total BHA Length:			
WEATHERFORD	0	CSG Size	CSG Name	Depth-MD	
Personnel	58	Inch	@		
MUD ITEM	Used	BULK ITEM	RECVD	USED	END INV
			0	0	
DAILY MUD \$0.00					
CUM MUD \$0.00					

200 RPM				
300 RPM				
600 RPM				
SHAKER 1 (T/B): / /				
SHAKER 2 (T/B): / /				
SHAKER 3 (T/B): / /				
SHAKER 4 (T/B): / /				
DESANDER (HRS RUN):				
DESILTER (HRS RUN):				
CENTRIFUGE (HRS RUN):				
<b>From</b>	<b>To</b>	<b>Hrs</b>	<b>Cd</b>	<b>Activity Last 24 Hours</b>
07:00	07:30	0.50	07	Safety meeting. Service rig.
07:30	10:00	2.50	14	Bleed the well down and ND the wellhead (the bolts on the wellhead were siezed up).
10:00	12:00	2.00	14	NU BOP. RU floor, tongs, etc. Change the slips, tong dies, etc. over to a size 2 3/8".
12:00	13:30	1.50	B	Release donut and POOH with the tubing (strapping pipe).
13:30	15:00	1.50	B	PU a 4 1/2" cement retainer and RIH to 1751 ft. Set the cement retainer.
15:00	16:30	1.50	F	RU pump and fill the tubing. Pressure test to 1000 PSI. Hold 10 minutes. Fill the annulus and pressure test to 500 PSI.
Total Hrs 9.50		Attention: Billie Maez		
WELL	BIG JAKE 1	Date	04/24/2007	Daily \$ 8,565
AFE	07PA5001	AFES	\$0	Cum \$ 18,245
		DSS 0		DOL 2
		Total Depth 0		

**Noble Energy Inc Daily Drilling Report**      Date: Sat 04/21/2007 Rpt#:1

WELL: <b>BIG JAKE 1</b>	Contractor: <b>AZTEC WELL SERVICE</b>	Spud Date:
ID: 30-045-30050	RIG: 731	State: NM
DSS: 0	DOL: 1	County: SAN JUAN
AFE#: 07PA5001	GL Elev:	LAST CSG TEST:
DIV: PATINA DEV	RKB to GL:	LAST BOP TEST:
CO MEN:Keith Stills	RKB to Sea Lvl:	BOP TEST DUE:
PROGRESS:0 HRS: 0	LAST CASING: EMW:	BOP FUNC TST DUE:
MD:0 TVD:0 PBMD:	SHOE MD: SHOE TVD:	CSG DATE SET:
Plan MD: Plan TVD:	Wgt: Grd:	

Current Activity: RU rig. POOH-LD sucker rods.  
 Operation Summary:  
 24 Hour Forecast:

WELL COSTS	STRING WEIGHTS
<b>PLUG &amp; ABANDON</b>	Pick Up
DAILY \$9,680	Slack Off
CUM \$9,680	Rot Wt
AFE \$0	Torque-AMPS

Trip	Bit#	Size	Mfg	Model	Bit In	Bit Out	Ftg	CumHr	ROP	WOB	RPM	Jets	T	B	G	om

**RATES**

Std Pipe	PUMP#1 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Tot GPM 0	PUMP#2 Liner Sz	S.L.	SPM	GPM	0	psi@	spm
Pump HP 0	PUMP#3 Liner Sz	S.L.	SPM	GPM	0	psi@	spm

Jet Vel:0.0 AV (DP):0.0 AV (DC):0.0 PSI Drop:0 BitHP:0.0 Hp/In<sup>2</sup>:0.0 ImpForce:0.0

Mud Properties	Mud Logging	SURVEYS
Time	BKGD Gas	MD Angle TVD Dir V.Sect +N-S +E/-W D.L
Location FLOWLINE FLOWLINE	Conn Gas	
Temp	Trip Gas	
Depth		<b>TOTCO SURVEYS</b>
Weight 0 0		MD Angle
FV		
PV		
YP		
Gels 10s/10m/30m		
API WL	<b>PERSONNEL</b>	<b>BHA#</b>
HTHP	Company Qty	Drill Pipe OD:
Cake	AZTEC WELL SERV 2	Qty Description O.D. Length
Solids	BASIC ENERGY 0	
Oil Cont	M & R TRUCKING 1	
Wtr Cont	STILLS CONSULTI 0	BHA Hrs: Total BHA Length:
Sand Cont	Personnel 69	CSG Size CSG Name Depth-MD
MBT		Inch @
Ph	<b>MUD ITEM</b> Used	<b>BULK ITEM</b> RECVD USED END INV
Pm	DAILY MUD \$0.00	
PI/Mf	CUM MUD \$0.00	
Chloride		
Calcium		
% LGS		
3 RPM		
6 RPM		
100 RPM		



200 RPM									
300 RPM									
600 RPM									
SHAKER 1 (T/B): / /									
SHAKER 2 (T/B): / /									
SHAKER 3 (T/B): / /									
SHAKER 4 (T/B): / /									
DESANDER (HRS RUN):									
DESILTER (HRS RUN):									
CENTRIFUGE (HRS RUN):									
From	To	Hrs	Cd	Activity Last 24 Hours					
07:00	07:30	0.50	07	Safety meeting. Service rig.					
07:30	08:30	1.00	25	Road rig to location.					
08:30	12:00	3.50	01	Spot rig. RU rig. Lay lines, etc.					
12:00	14:00	2.00	PRB -MIS C	Started to blow the well down then the 2" nipple screwed into the well head - blew out. Waited on a 2" tap. Retapped the wellhead, and installed the new valves.					
14:00	16:00	2.00	23	Release the insert pump and POOH-LD a total of 78 size 7/8" rods.					
16:00	17:00	1.00	F	Work on the wellhead. SWIFWE.					
Total Hrs 10.00		Attention: Billie Maez							
WELL	BIG JAKE 1	Date	04/21/2007	Daily \$	\$9,680	DSS	0	DOL	1
AFE	07PA5001	AFES	\$0	Cum \$	\$9,680	Total Depth	0		