#### UNITED STATES

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT ECENVER

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	Sundry Not	ices and Repo	rts on We	ells			
			<del>19 JUL 30</del>	Pii I:	30	5.	Lease Number SF-079758
1. Type of We	11	(	770 FA.IIII		MA	6.	
			18.74	105	SME	<b>19</b>	Unit Agreement Nam
2. Name of Op	INGTON			AUG O	9 1999		San Juan 29-4 Unit
1230	OIL OIL	& GAS COMPANY		.COI	אור ושו	TW7.	Well Name & Number
	Phone No. of Opera			10)11971	. 33 	_	San Juan 29-4 U #2
PO Box 42	89, Farmington, NM	87499 (505)	326-9700	) - 40 4	. O	9.	<b>API Well No.</b> 30-039-21845
4 Location o	f Well, Footage, S	ec. T. R. M		<del></del>		10.	Field and Pool
	1580'FEL, Sec.15,		, NMPM			11.	Choza Mesa PC County and State Rio Arriba Co, NM
Type of Su _X_ No Su Fi  13. Describ	ROPRIATE BOX TO IN bmission tice of Intent bsequent Report nal Abandonment  Per Proposed or Computer and the plug and the land wellbore diagram and wellbore diagrams.	_X_ Abandon Recompl Pluggin Casing Alterin Other    Other	Type of A ment etion g Back Repair g Casing	Action	ange o w Cons on-Rout ter Sh onversi	ef Pla etruck ine l out on on to	ans tion Fracturing ff o Injection
(This space f	for Federal or State  APPROVAL, if any:	Title Rec		Adminis	strato	_trc_ Al	e 7/30/99 UG - 5 1999

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### San Juan 29-4 Unit #23

Pictured Cliffs 2180' FSL & 1580' FEL, Section 15, T29N, R4W Latitude / Longitude: 36° 43.43262' / 107° 14.22366' Rio Arriba County, New Mexico Recommended P&A Procedure 7/28/99

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

- 1. Install and/or test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Burlington safety rules and regulations.
- MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP. TOH and inspect 141 jts 2-3/8" tubing, total 4397'. If necessary, LD tubing and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 4026', or as deep as possible.
- 3. Plug #1 (Pictured Cliffs perforations and Fruitland, Kirtland, Ojo Alamo tops, 4026' 3600'): Set 4-1/2" CIBP at 4026'. TIH with tubing and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. TOH with tubing. Rig up wireline unit and run a CBL to determine annulus TOC. Report the TOC to the Operations Engineer and Drilling Superintendent to determine if the procedure should be altered. TIH with tubing and mix 37 sxs Class B cement; spot a balanced plug inside casing above the CIBP to isolate PC perforations and cover through Ojo Alamo top. PUH with tubing or TOH and stand back, depending on annulus TOC.
- 4. Plug #2 (Nacimiento top, 2565' -- 2465'): If TOC is above 2465', then with tubing at 2565', mix 12 sxs cement and spot a balanced plug to cover the Nacimiento. TOH and LD tubing. If TOC is below 2565', then perforate 3 HSC squeeze holes at 2565'. Set 4-1/2" cement retainer at 2515'. Establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover Nacimiento top. TOH and LD tubing.
- 5. Plug #3 (8-5/8" casing shoe at 354'): Unless TOC is above 404', perforate 3 HSC squeeze holes at 404'. Establish circulation out bradenhead valve. Mix and pump approximately 125 sxs Class B cement down 4-1/2" casing and circulate good cement out bradenhead valve. Shut well in and WOC.
- 6. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended: 7/28/99 Approved: 3ruce D. Bong 7.29.99 Operations Engineer Drilling Superintendent

Operations Engineer: L. Tom Loveland

Office 326-9771 Pager 324-2568 Home 564-4418

#### San Juan 29-4 Unit #23

## Current Pictured Cliffs

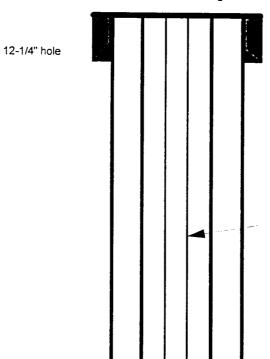
SE, Section 15, T-29-N, R-4-W, Rio Arriba County, NM

Latitude: 36 - 43.43262' / Longitude: 107 - 14.22366'

Today's Date: 7/27/99 Spud: 11/20/78

Completed: 12/22/78

Elevation: 7401' (GL) 7411' (KB)



8-5/8" 24#, K-55 Casing set @ 354' Cmt w/ 300 sxs (Circulated to Surface)

2-3/8" Tubing set @ 4397'

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Ojo Alamo @ 3650'

Nacimiento @ 2515'

Kirtland @ 3775'

Fruitland @ 3910'

Pictured Cliffs @ 4074'

TOC is Unknown, Amoco records report no cement circulated to surface, no details about mud circulation during cementing. Cement volume pumped would fill a 6000' gauge hole (75% efficiency).

Pictured Cliffs Perforations: 4076' - 4379'

4-1/2" 9.5#, K-55 Casing set @ 4489' Cement with 1100 sxs (1848 cf)

7-7/8" hole

TD 4491'

PBTD 4441'

## San Juan 29-4 Unit #23

### Proposed P&A

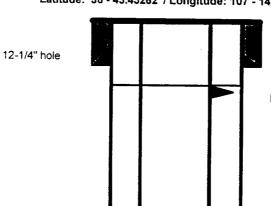
**Pictured Cliffs** 

SE, Section 15, T-28-N, R-4-W, Rio Arriba County, NM

Latitude: 36 - 43.43262' / Longitude: 107 - 14.22366'

Today's Date: 7/27/99 Spud: 11/20/78 Completed: 12/22/78 Elevation: 7401' (GL) 7411' (KB)

.) 3)



8-5/8" 24#, K-55 Casing set @ 354' Cmt w/ 300 sxs (Circulated to Surface)

Perforate @ 404'

Plug #3 404' - Surface Cmt with 125 sxs Class B

Nacimiento @ 2515'

Ojo Alamo @ 3650'

Kirtland @ 3775'

Fruitland @ 3910'

Pictured Cliffs @ 4074'

Cmt Retainer @ 2515'

Perforate @ 2565'

Plug #2 2565' - 2465' If TOC above 2465', then Cmt inside only with 12 sxs;

If TOC is below 2565', then Cmt with 51 sxs Class B, 39 sxs outside casing and 12 sxs inside.

Plug #1 4026' - 3600' Cmt with 37 sxs Class B

Set CIBP @ 4026'

Pictured Cliffs Perforations: 4076' - 4379'

4-1/2" 9.5#, K-55 Casing set @ 4489' Cement with 1100 sxs (1848 cf)

7-7/8" hole

TD 4491'

PBTD 4441'