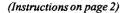
## UNITEDSTATES DEPARTMENT OF THE INTERIOR BUILDEAU OF LAND MANAGEMENT

FORMAPPROVED
OM B No. 1004-0137
Expires: March 31, 2007

,	5. Lease Serial No.									
SUNDRY	NOTICES AND REPORTS O	N WELLS	NMSF 078999							
Do not use th	nis form for proposals to drill or ell. Use Form 3160-3 (APD) for s	to re-enter an	6. 16 Rigian, Allottee or Tribe Name							
SUBMIT IN TR	IPLICATE - Other instructions of	reverse side.	7. If Unit or CA/Agreement, Name and/or No.							
1. Type of Well Oil Well	X Gas Well ☐ Other		20 76 64 1/20							
	X Gas Well Other		8. Well Name and No.							
2. Nameof Operator			SAN JUAN 31-6 UNIT 16F							
ConocoPhillips Company		·····	9. API Well No.							
3a. Address		o.(include area code)	30-039-29904							
PO BOX 4289 Farmingto  4. Location of Well (Footage, Se	c., T., R., M., or Survey Description)	326-9597	10. Field and Pool, or Exploratory Area Blanco Mesaverde/Basin Dakota							
855 SOUTH 410 WEST	, 11, 11, 12, 12 to 5 to		11. County or Parish, State							
UL: M, Sec: 33, T: 31N, I	R: 6W		RIO ARRIBA NM							
12 CHECK AL	PPROPRIATE BOX(ES)TO INDICATE	NATURE OF NOTICE								
	THE REPORTED TO INDICATE		TO ONLY ON OTHER DATA							
TYPEOF SUBMISSION		TYPEOF ACTION								
[ <b>V</b> ]	Acidize Deepen	Production (	Start/Resume)							
X Notice of Intent	AlterCasing FractureT	reat Reclamation	Well Integrity							
Subsequent Report	Casing Repair New Cons	struction Recomplete	Other							
	X Change Plans Plugand	Abandon Temporarily.	Abandon							
Final Abandonment Notice	Convert to Injection Plug Back	Water Dispos	al							
testing has been completed. Fi determined that the site is read	nal Abandonment Notices shall be filed only after	all requirements, including rec	on in a new interval, a Form 3160-4 shall be filed once clamation, have been completed, and the operator has illing plan.							
the cmt plan as permitte pressure on the Fruitlan 2. The production casin	ed in APD. The foam cement is lig ad Coal when we pump cement are	hter and we plan to u bund the casing. :", 11.6#, N-80 LT&C.	cement slurry on the 7" csg instead of se it so that we reduce the hydrostatic  We propose to change to 4 1/2", 11.6#							
3-33 LT&C Holli sullac	e to 1100 , then 4 7/2 , 10.0#, 5-0	3 31 aC to 1D.	RCVD JUN7'07							
			OIL CONS. DIV.							
			DIST. 3							
14. I hereby certify that the fore	egoing is true and correct									
Name (Printed/Typed)  Juanita Farrell		Title Regulatory St	pecialist							
Signature	Famel	Date 06/05/2006	-							
	THIS SPACE FOR FEDERAL	OR STATE OFFIC	E USE							
Approved by Tray	Salvers	Title Pct. E	ng. Date 6/6/07							
Conditions of approval, if any, are	attached. Approval of this notice does not war	ant or	V							

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.



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

FFO



## ConocoPhillips

County: Rig: APD/BLM Footage: .ocation: -armation: Well Name: Rio Arriba AWS 301 San Juan 31-6 Unit #16F 355' FSL & 410' FWL MV/DK Vertical ND w/Air 31 2 R-6₩ 6178 - ext 16 EST DAYS: 11 Lease #: 078999

996

M Phone #: 599-8907 MOCD Phone#: 334-State: New Mexico API #: 30-039-29904

Sec.: 33 Like Kind Cost: \$659,772

Est. Cost/ft: \$82.00 Network# 10149562 AFE# WAN.CNV.6207 AFE: \$565,975 Safety:

> In case of Major Emergency Call 911 San Juan Division - Drilling Program

Well Name: Give the following Information to Operator: ongitude: Latitude: 36 deg., 55.0690 min. San Juan 31-6 Unit #16F

County: Rio Arriba State: New Mexico

From the intersection of they 64 and Hwy 550 in Bloomfield, travel east on highway 64 out of Bloomfield for 38 miles to state highway 527 (Simms Highway). Turn left on state highway 527 and travel 7.3 miles to Rose Road @ La Jara Station. Go right (northerly) on Rose Road 107 deg., 28.5135 min.

and travel 6.5 miles to tork in road. Keep to the left (northeasterly and straight) remaining on Rosa Road and travel 1.6 miles to four-way meresction. Take a left at the four-way intersection and head westerly and travel 2.5 miles to tork in road. Turn left and travel

outhwesterly for 1.0 miles to new access on right-hand side of existing roadway which continues 250' to new staked location

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B046	5	8036	7996		7929		7899'			7704	7049	5934	3	5684	5439		5399'			4579		3729	.`	3629		3429	3129		हिन्द - 5 - 3	2689'		9E9Q	1389	2	}
TO	Est BOTO	Est Bottom Perf	Encinal		Lower Cubern		Cubero			Greenhorn	Gallup	Mancos		Massive Pt Lookout	Meneree		Massive Cliff House		ļ	Chacra				Lewis		Pic. CIIII8	Fruttland			Kirtland		Of Allemo	Naciamento		Agonae
		then contact the drilling superintendent.	If hole gets we pulling drill strin	25 RPM	2K WOB	Greenhorn.	before drilling	Slow ROP	30-40 HPM	2 - 4K WOB	Double	Halco	CV462 on	Diamond Air	S-1/A Now	motor RPM	surface RPM	surface-Keep		, **	11		thereafter	burled, 10-	with BHA is	7 m	0.28 rev/oom	7/8 labe	6-3/4" motor w/	nozzies	SIx 14/32'6	506ZX	8-3/4	Hughes	nyuracuica
		drilling	If hole gets wet: Immediately start pulling drill string out of the hole &	above 8%.	Do not drill with		from ICP down to 10.	Use N <sub>2</sub> membrane unit 40 sks			1800 SCFM max	Compressor 400-500 psi	)	Nill Ogery AIT:	Allien and Air-			Use two pumps @	400-450 GPM	w/motor	Pump			@3000 to mitigate	with 25% LCM					-	Sweep hote with	8.5-9.0 ppg, WL of 6	surface w/ Clean	Drill out from under	Control Birmin
displacement. If mud dr	134.1	95.8	63.0	18.3	6.6	_	Top of Tail 69 3429 ff	40 sks	Fluid Loss Control)	Circulation Additive), 0.2	CL. 17.	be added to the lead si	1046.9 cu.ft.	8		Lead: 50/50 Poz Premiu		Scavenger: Not used for foam cement jobs :	PR: 50 bbts foamed EZ M	Form Cament	Il losses are incurred, see below	Top of Tail @ 2983.2 ft.	90 sks		2.13 cu.tt/sk 100 Tail: Type III Cement w/1% CaCtz. 0.25 one Cello-Flake, 0.2% FL-52A	440 sks	Lead: Promium Life FM w/3% CaC/2, 0: 8% bentonite, 0.4% SMS, 0.4% FL-62A	66.1 cu.ft	LCH-1, 0.4% H32, 8% bemonts and 0.4% SMS 20 sks 11.0 ppg	Scavernger: Fremium Lite w/ 3% CaCiZ, 0.25 pps Cello-Flake, 5 pps	PF: 10 bbls FW, 10 bbls MC II, 10 bbls FW	234.7 cu.ft 1.2	183 sks	Type III cement with 3% CaCl2 and 1/4 pps Cello-Flake	
For Production cement job, add 25 b. bag of sugar to 1st displacement. If mud chilled, use 50% excess factor.	2801	758	304 497	200	200 801111	Nitrogen Injection Schedule	1.41 CU.17/SK	13.0 ppg		Tall; 5050 PCZ Standard, 3.5 timptsk Pheno Seat - Blend (Lost Circulation Additive), 0.2% CFR-3 (Dispersant), 0.8% Haiad & (Low		Excess cament that would nave been pumped in the tall slurry shall be added to the lead slurry volume. 100% excess for tail = 45.09	2.07 cu ft/sk	13.0 ppg	The state of the s	Lead: 50/50 Poz Premium, 2% Verezset (Thixotropic Additive), 0.1%		r foam cement jobs	PR: 50 bbts foamed EZ Mud, 10 bbts foamed FW, 20 bbts foamed Super-	Com Contest	below		1.38 ppg		2.13 cu.fl/sk 1% CaCtz. 0.25 pos Celic	12.1 ppg	ead: Premium Life FM w/3% Cald2, 0.25 pps Cello-Flake, 5 pps LCM-1% bentonite, 0.4% SMS, 0.4% FL-62A	3,02 cu.ft/sk	benform and 0.4% SMS.	a w/ 3% CaCiZ, 0.25 pps	NC II, 10 bols FW,	1.28 cu.ft/sk	15.2 ppg	CaCl2 and 1/4 pps Cello-F	Content
7197	1/3		76 124	, ,	22		U% excess	6.65 gal/sk		8% Halad & (Low		ess for tail = 45.09	100%	6.65 gal/sk	The second of second	opic Additive), 0.1%			bbls foamed Super	20000			6.64 gal/sk		100% Finite 0.2% FL-52A	11.29 gal/sk	ilo-Flake, 5 pps LCM-1,	0% ехсезя	17.89 oal/sk	Cello-Fisite, 5 pps		Excess: 200%	5.77 gal/sk	lake.	
605.0 cu.ft.	o.copps cum-i, i a resource	fail: Premium Lite	10 sks 27.0 cu.ft.	6.25pps LCM-1, 1% FL-52A	Scavenger: Premium Lite MS	Production Cement Pro	Manual delline	1250 feet	6946 feet	Totals		)) (1)	3189 fee	5	3090 F88	10 fee	342 fee					3879 fee	Toyle				3687 fee		£3. 200 − 1	1 1 1 1 1 1 1 1			230 fee	1: 4:	
1.98 cu.ft/sk		HS FM + 0.25pps Ce	11.0 ppg 3.10 cu.ft/sk	FL-52A	um Lite HS FM + 0.25	nent Procedure	18 4-1/2" x 5-1/4" bowspnng centrikzers	1250 feet 4-1/2", 11.6#, J-55 LT&C w/ 150' extra	6946 feet 4-1/2", 10.5#, J-55 ST&C		then 1 every 4th jt f/k	1100 feet 4-1/2" 11.5#, J-55 L L&C 18 4-1/2" x 6-1/4" bowspring		the Cliffhouse	3350 Feb. 4-1/2" 10.54, J.SS ST&C	10 feet 4-1/2" 10.5#, J-55 ST	9	in Plug	1 4-1/2" Float Shoe (Gemoco)	Production String	6.7 x 8-3/4" bow type	7 20.0#	joint morn		joints	6 7" x 8-3/4" bow type	3687 feet 7", 20.0#, J-55 ST&C	7 float collar	1 7" float shoe (Germoco)	internation String	* Wooden Plug for Displa	+ 9-6/8" sawteeth guide shoe	230 feet 9-5/8" 32.3# H-40 STC	+ Wellhead tuzz-cap	CITA IONDAN
9.00 ga/sk 40%	9	Tail: Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32,	18.16 gal/sk 40%	;	FM + 0.25pps Cello-Flake, 0.3% CD-32.	uction Cement Procedure	pnng centritzers	.T&C w/ 150' extra	T&C		then 1 every 4th jt t/bottom to above Cliffhouse & 1 on it below 7" shoe	et 4-1/2" 11.5#, J-55 L 1&C 18 4-1/2" x 6-1/4" bowspring centrilizers, 1 on shoe jt,	T&C	USE	T&C marker invest 1100' a	5#, J-55 ST&C marker jt. at Greenhorn	7&C	4-1/2: Float Collar w/ 3/4: Insert Choke and Latch- in Plug	етосо)	uction String	bow type centralizers	J-56 ST&C + 150' extra	the Kintand Shale to the top of the Cijo	turbolizer centralizers placed one per	19 9 4 100 01 284, 481, 011, 011 a 1011	bow type 10' above shoe & latched over	City Transform		1-55 ST&C	Maria .	aug for Displacement	le shoe	₽		
40%	ì		40 sk		P 92	丄					ě Ž	<u>\$</u>		Q	<b>.</b>	3		alch-		1			<u></u>	¥	· §	ğ	<u> </u>	J							l

# Environmental, Health & Safety (All Rig Activity)

particularly hard if you divide it into small jobs." Henry Ford Opportunities are usually disguised as hard work, so most people don't recognize them." Ann Landers \*Nothing is

\*TRIR - Total Recordable Incident Rate per 200,000 man-hours.

Environmental Goals: Zero Spills on Location, Remove Trash from Roads and Locations Actual (3/7/07) 장 Restrict'd Duty OSHA Rec 0 11 1st Aid 0 38

refurned 10 bbls to surf. Drilled (7381-73740; w/ unknown 8-344- bit. Lost returns at 3241; tost over 1000 bbls, increased LCM from 0 to 20% before regaining returns. Ran 7" 20# J-55 T&C to 3740; DV 100 (8-2960). Lost returns while weiting for cement truck. Purnoed 42.5 bbls 13 stig with no returns, purnoed 133 bbls 2nd stig with no returns, 135% excess. Drilled out DV 100 then ran CBL, periorated at 2607; pumped 152 bbls squeeze cmit, circ 5 bbls to surf. Drilled I/3740-8000; w/ unknown 6-1/4" bit. Ran 4-1/2" San Juan 31-6 46M (MVDK, 2000, 1,25 mi. SW): hOOP well. Flan 9-5/8" 32.3# H-40 ST&C to 355; Pumped 55 bbls cmt. refurmed 10 bbls to surf. Drilled (/351\*-3740" w/ unknown 8-3/4" bit. Lost returns at 3241", lost over 1000 bbls, increased LO? 1.6# L-80 LT&C to 8000'. Pumped 112 bbls @ 40% excess, no mention of actual TOC

3124\*. Increased LCM from 0% to 15%, attempted to drill ahead and lost circ. again @ 3144\*. Increased LCM to 25% and attempted to drill ahead again, lost returns @ 3165. Pumped 300 bbts w25% LCM and drilled ahead to 3446 after losing 300 bbts. Lost circ. again @ 3446; increased LCM to 28%. Dry drilled to 3460; gain some circ. then TD int. @ 3308; 20 into Lews. Flan 7\* 20.08 k.-55 ST&C to 3509; ECP 12885-2872; DV tool @ 2885. Pumped 44 bbts 1st sig with no returns, pumped 173 bbts 2015 with 29 bbts circ. to sunt., 140% excess. Drilled out DV tool, no cmt in shoe jt, possible wet shoe. Set retainer and discovered leak in casing. Set retainer @ 3298 and jumped cmt. Drilled out cmt, no cmt from 3378\*3508. Ran CBL, and found part in casing @ 3344'. Set another retainer @ 3380'. Could not establish rate under retainer, pumped down annulus @ 1bpm. 3en\_Juen 31-6 51M (MV, 2001, 1.5 ml, SW). hCOP well. Rig drilled surface to 343. Ran 9-5/8" 32.3# H-40 ST&C to 343'.
Pumped 55 bbis cmit, returned 10 bbis to surf. Drilled (/343'-3020' w/ unknown 8-3/4" bit. Trip for new bit @ 3020'. Lost circ. @

Spot cmt above retainer, pressure up DP. Drilled out cmt and retainer, pressured up casing, OK. Drilled t/3508-3565' w/unkown 6-1/4" bit. TOOH for new bit, drilled t/3565-3667' but hole would not dry up. TOOH and spotted cmt plug. Tried to air drill again but hole got wet again. Establish 10 boh mist rate drilled to 5242' with mist. TOOH for new bit, drill to TD of 6010' with mist, Mancos nole got wet again. Establish 10 bph mist rate, draied to 5242 winn mist. I U∪m tor new on, draid o i u ot work v top @ 5857. Ran 4-1/2" 11.6# L-90 LT&C to 5975. Pumped 68 bbls @ 45% excess, no mention of actual TOC.

San Juan 31-6 44E (MV/DK, 2000, 1.5 mi, NW): hOOP well. Ran 9-56° 32.3\* H-40 ST&C to 355°. Pumped 55 bbls cmt, returned 10 bbls of surf. Diffed 5357-3820° w. unknown 8-34° bt. Ran 7° 258° J-55 ST&C to 3382°. Pumped 225 bbls cmt w/ 15 bbl clic. lo surf. 125% excess. Drilled (13887-3983° w. unknown 6-14" btl, top of MNICS @ 6089; 100H @ 7382 for rew bit. Drill to TD of 8134°. Ran 4-1/2" 11.6\* L-80 LT&C to 8134°. Pumped 116 bbls @ 45% excess, no mention of actual TOC.

- Operational Notes
   OPEN-HOLE LOGS: NONE
- Ensure that Nitrogen concentration is at least 92% while air chilling.
- Notify Phoenix Service to acquire deviation survey at rig down (325-1125) & phoenixservices@zianet.com
- It losses occur white drilling intermediate hole, pump foam cement from Halliburton (cementing procedure is included in well file). Contact Justin Kiddoo (505-330-3081 cell or call 505-324-3500 Hallburton dispatch) to arrange foam cement job.
- Call Lynda Gammon at WSI (326-0308) to arrange for RU of foam comenting choke manifold & piping.
- Notify Cameron prior to rig move to install the tubing head assembly immediately after the substructure has been moved. Inform Halliburton as to when WSI will be on location to RU choke manifold so Halliburton can check RU.
- Pretreat with 25% LCM at 3000' to mitigate losses.
- Call Softrock Geological Services to log cuttings from 100' ft above Greenhorn to TD.
- rolume. Adjust cement volumes to actual hole volume plus 15% excess If no fluid losses are incurred while drilling the int. hole, pump a fluid caliper 200' ahead of intermediate TD to estimate hole
- Surface casing has been preset.

- Call John White at Southwest Bit & Tool (505-632-1452) to obtain mud motor and 8-3/4" PDC bit.
- nust be lined. Transfer mud to next location. Drill intermediate hole with Clean Faze w/ sweeps as needed; mud up as hole dictates. Disperse mud for Lewis. Reserve pits
- Short trip to drill collars unless hale dictates otherwise
- Rig up blooie tine before drilling the Kirtland.
- Caliper everything that goes through the table.
- Install drilling head rotating rubber once BHA is burried
- Circulate 7" casing every 15-20 joints and wash last 5 joints to TD.
- Fill out all Check Sheets (MIRU, pre-spud) and take pictures of location. Pump intermediate cement job at 3 bpm or tess to reduce ECD (Lost circ while pumping cmt on SJ 31-6 Unit 16M, 1999).
- Obey posted speed limits and keep all gates locked!! Wet roads as necessary to keep dust down Use BJ Services for cementing needs. Use Weatherford/Gemoco for all float equipment needs.
- Ensure that pilot light is at end of blooie line before drilling air hole.
- Call all proper regulatory agencies, including NMOCD, 24 hours in advance of BOP testing, spud, running csg, or cementing, eave message if after hours. Barricade any existing well/metering equipment on location

Approved:

Reviewed:

Prepared:

6/5/2007

Prepared:

Russell Perkins - Drilling Engineer

Ed Jackson - Drilling Superintendent