Form 3160-3

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

	UNITED STATES
	DEPARTMENT OF THE INTERIOR
	BUREAU OF LAND MANAGEME
D	
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UNITED		Expires Novemb	er 30, 2000			
	DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT					
APPLICATION FOR PERMI	T TO DRILL OR REENTER	6. If Indian, Allottee or Tribe	e Name			
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement,	Name and No.			
1b. Type of Well: ☐ Oil Well	Other Single Zone Multiple Zone	8. Lease Name and Well No. SAN JUAN 31-6 UNIT 2				
Name of Operator CONOCOPHILLIPS COMPANY  Conta	ct: VICKI WESTBY E-Mail: Vicki.R.Westby@conocophillips.com	9. API Well No. 30 - 039 - 29	453			
3a. Address 4001 PENBROOK ODESSA, TX 79762	3b. Phone No. (include area code) Ph: 915.368.1352	10. Field and Pool, or Explor BASIN FRUITLAND				
4. Location of Well (Report location clearly and in acco	dance with any State requirements.*)	11. Sec., T., R., M., or Blk. a	and Survey or Area			
At surface NWNW 816FNL 435FW	- 17526272722	Sec 1 T30N R7W Me	er NMP			
At proposed prod. zone NWNW 816FNL 435FW		0				
14. Distance in miles and direction from nearest town or po	st office*	12. County or Parish RIO ARRIBA	13. State NM			
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated to	o this well			
18. Distance from proposed location to nearest well, drillin completed, applied for, on this lease, ft.	g, 19. Proposed Depth 3573 MD	20. BLM/BIA Bond No. on	file			
21. Elevations (Show whether DF, KB, RT, GL, etc. 6560 GL	22. Approximate date work will start	23. Estimated duration				
	24. Attachments					
The following, completed in accordance with the requirement	s of Onshore Oil and Gas Order No. 1, shall be attached to	this form:				
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest S SUPO shall be filed with the appropriate Forest Service</li> </ol>	ystem Lands, the Item 20 above). 5. Operator certification	ons unless covered by an existing	,			
25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY Ph: 915.368.1352		Date 02/09/2005			
Title AGENT	•					
Approved by (Signature)	Name (Printed/Typed)		Date 3-24-05			
Title AFM	Office FFO					
Application approval does not warrant or certify the applicant operations thereon. Conditions of approval, if any, are attached.	holds legal or equitable title to those rights in the subject le	ase which would entitle the app	licant to conduct			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 121 States any false, fictitious or fraudulent statements or represent		make to any department or age	ency of the United			

Additional Operator Remarks (see next page)

Electronic Submission #53928 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Farmington

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-102 Revised June 10, 2003

Fe, NM 87505 Submit to Appropriate District Office

State Lease - 4 Copies

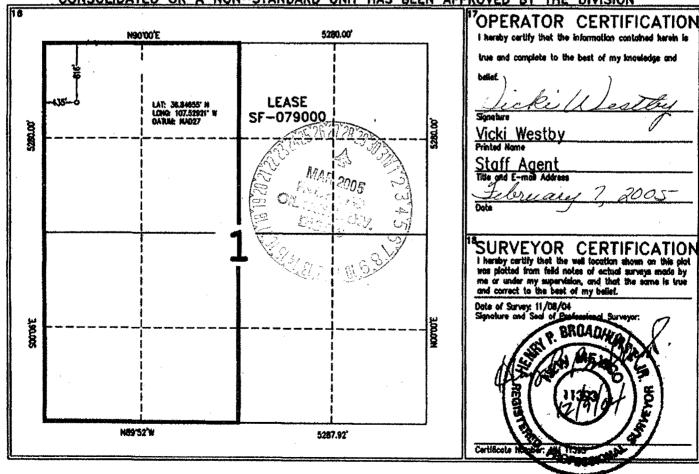
Fee Lease — 3 Copies

AMMENDED REPORT

District.]
1625 N. French Dr., Hobbs, NM 88240
District.il
1301 W. Grand Avenue, Artesia, NM 88210
District.ili
1000 Rto Brazos Rd., Aziec, NM 87410
District.il
1220 S. St. Francis Dr., Sonia Fe, NM 87505

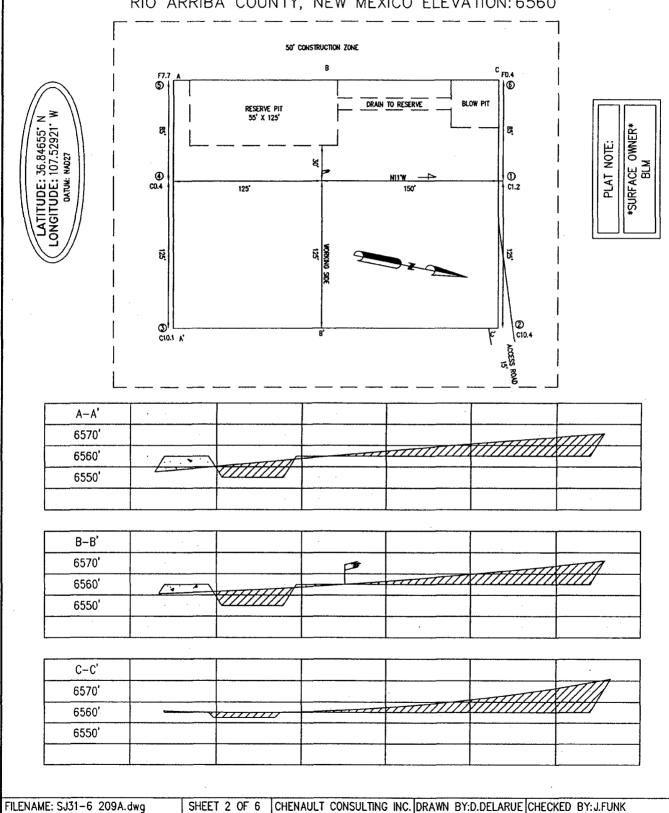
LOCATION AND ACREAGE DEDICATION PLAT 71629 BASIN FRUITLAND COAL (GAS) Well Number Property Name SAN JUAN 31-6 UNIT 209A OGRID No. CONOCOPHILLIPS COMPANY Elevation 6560 Surface Location Lot Idn Feet from the North/South line Feet from the 816' NORTH 435' UL or lot no. Section Township East/West line Range County 07W WEST RIO ARRIBA **30N** D Different **Bottom Hole** Location From Surface Lot Idn Feet from the North/South line Feet from the UL or lot no. Section Township Range Eget/West line County \*\*Dedicated Acresi\*\*Joint or Infillf\*Consolidation Code\*\*\*Order No. W/2 319.1

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Submit 3 Copies To Appropriate District Office	State of New M	exico		Fonn C-103
District I	Energy, Minerals and Nati	ural Resources	THE LAND IN	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District 11			WELL API NO.	
1301 W. Grand Ave., Artesia, NM 882 1 0	OIL CONSERVATION		5. Indicate Type of	Lease
<u>District III</u> I 000 Rio Brazos Rd., Aztec, NM 8741 0	1220 South St. Fra	ncis Dr.	STATE	FEE 🗆
District IV	Santa Fe, NM 8	7505	6. State Oil & Gas I	
1220 S. St. Francis Dr., Santa I e, NM				
87505 SUNDRYNOTI	CESANDREPORTS ON WELLS	3	7. Lease Name or U	Init Agreement Name
(DONOTUSETHIS FORMFOR PROPOS DIFFERENT RESERVOIR, USE 'APPLIC	ALSTO DRILLOR TO DEEPEN OR PL	UGBACKTOA		AN 31-6 UNIT
1. Type of Wen. On Wen	Gas Well Other	8	B. Well Number	209A
2. Name of Operator	ConocoPhillips Company		O.OGRID Number	217817
3. Address of Operator	Conocor minps Company		0. Pool name or W	
3.7 Kares of operation	4001 Penbrook, Odessa, TX 7	9762	Rasin F	Fruitland Coal
4. Well Location	40011 Chorook, Odessa, 177 7	102	Dasin i	Tuttand Coar
Unit Letter D	816 feet from the Nort	h line and 4	35 feet from	the West line
Section 1	Township 30N R		·	Arriba County
	I 1. Elevation (Show whether D			
	650	50 GL		
Pit or Below -grade Tank Application X C				
Pit type DRILL Depth to Groundwa	ter <u>80'</u> Distance from nearest fresh w	vater well >1 Mile	Distance from neare	st surface water 150'
Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Constr	uction Material	
12. Check A	ppropriate Box to Indicate N	fature of Notice, Re	port or Other Da	ata
NOTICE OF IN	TENTION TO	OUDOF	OUENE DED	ODT OF
NOTICE OF INT PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON	REMEDIAL WORK	QUENT REPO	JKTUF: LTERING CASING []
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLI	ــــــ	AND A
PULLOR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT JO	<u></u>	
OTHER:	eted operations. (Clearly state all p	OTHER:	ra mautinaut datas i	nahudina aatimaatad data
	k). SEE RULE I 1 03. For Multipl			
or recompletion.				
The pit will be constructed and closed in	accordance with Rule 50 and as per th	ne Nov. 1, 2004 Guidelin	es. See the attached	diagram that details the
location of the pit in reference to the prop				
The solids left after the water has been	disposed of will be sampled and I	NMOCD approval will	be obtained prior to	o closure of this pit.
•				
	•			
I hereby certify that the information ab grade tank has been/will be constructed or clo	ove is true and complete to the best used according to NMOCD guidelines	of my knowledge and b ¶, a general permit ☐ or a	elief. I further certif n (attached) alternative	ly that anv pit or below- OCD-approved plan
SIGNATURE Vicki Westby	TITLE Sta	ff Agent	D	ATE 2/9/2005
Type or print name	E-mail ad	dress:	Telen	hone No.
For State Use Only				
1.	1/	ITY OIL & GAS INTEREC	***	MAR 28 2005
APPROVED BY: Conditions of Approved (if any):	TILE		_D/	ATE

CONOCOPHILLIPS COMPANY SAN JUAN 31-6 UNIT #209A 816' FNL & 435' FWL, SECTION 1, T30N, R07W, NMPM RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6560'





# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 209A

Lease:						AFE #:					AFE	\$:
Field Name: hPF	IILLIPS	31-6		Rig:				State:	NM	County: RIO ARRIBA	API	#:
Geoscientist: Clo	oud, To	m A		Phone	: +1 832	486-2377	Prod.	Engineer:	Bei	rgman, Pat W.	Phone:	(832) 486-2358
Res. Engineer: S	tasney	, Janet F.		Phone	: +832 48	6-2359	Proj. I	Field Lead	:		Phone:	
Primary Object	ivė (Z	ones):										
Zone	Zone	e Name										
JCV	BASI	IN FRUIT	LAND COAL	(GAS)								
					· · · · · · · · · · · · · · · · · · ·							1
Location - Suifa	ce.		Par Selection								5	traight Holeas
Latitude: 36.85	·	Lonaitu	de: -107.53	1	X:		Y:	31.55 <b>43</b>		Section: 1	2300000000	ange: 7W
Footage X: 435 F	-WL		Y: 816 FN		Elevation:	6560		Township:	: 30N	L. C.		ange. 711
Tolerance:			<del>-</del>									
Location Type:				Start [	Date (Est.):	········	Con	npletion D	ate:	Date In	Operatio	on:
Formation Data:	Assu	me KB =	6573	Units =	FT			· · · · · · · ·				
Formation Call & Casing Points			Depth (TVD in Ft)	SS (Ft)	Depletio (Yes/No		внт			Remarks		
SAN JOSE			13	6560				*				
Surface Casing			213	6360				12-1/4 ho		9 5/8" 32.3 ppf, H-40, S	FC casin	g. Circulate cement
NCMT			1353	5220				w sarrac	c.		•	
OJAM			2433	4140				Possible	water	flows.		
KRLD			2583	3990							•	
FRLD			3053	3520				Possible (				
Intermediate Casir	ng		3183	3390				8 3/4" Ho surface.	ole. 7	", 20 ppf, J-55, STC Cas	ing. Cir	culate cement to
TOP COAL			3213	3360						•		
BASE MAIN COAL			3393	3180		150						
PC TONGUE			3413	3160								
BASE LOWEST CO.	AL		3493	3080								·
PCCF			3503	3070								
Total Depth			3573	3000				6-1/4" ho 15.5#, J-	ole po	ssibly underreamed to 9 C - left uncemented.	.5". Opt	tional Liner: 5.5",
Reference Well	St -			100		4						
Reference Type	Well				Comme	nts						
Intermediate	ļ		Blanco #41									
Intermediate			Blanco #21-									
Intermediate	Blackv	Intermediate Blackwood NE Blanco #22A										

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# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

**SAN JUAN 31-6 209A** 

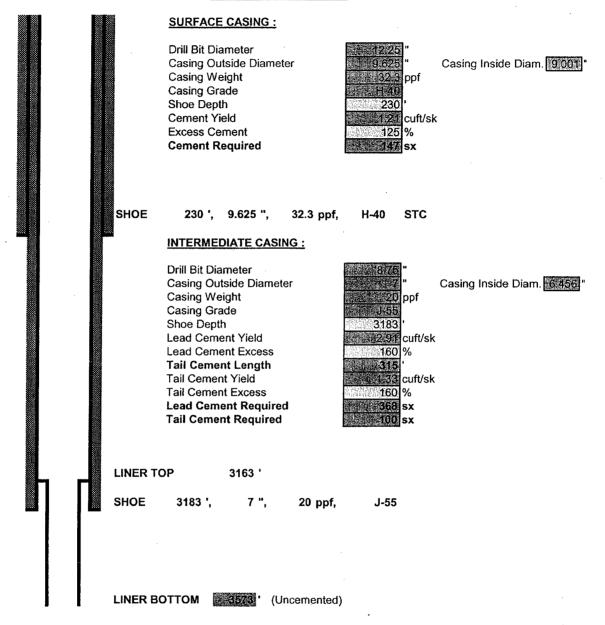
Logging Prog		y if show  GR/ILD		abo		
TD Logs:	Triple C	ombo Dipmeter	□ RFT □ Sc	onic VSP TDT		
				COPC will comply with		
Additional Infor	mation:	the BLM's Condition sump/rathole in this formation	is of Approval fo	r the proposed		
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks	
: Ger				uitland Coal well. NSL verbally	approved.	

Mud Log from intermediate casing shoe to TD will be obtained.

Drilling Mud Program:
Surface: spud mud
Intermediate: fresh water mud with bentonite and polymer as needed
Below Intermediate: air/mist drilling media with foamer, polymer, & corrosion inhibitor as needed

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### San Juan 31-6 # 209A



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# SAN JUAN 31-6 #209A

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O( 11011 1					
9-5/8 Surface Casing					
Class C Standard Co	ement				
+ 3% Calcium Chlori	ide				
+0.25 lb/sx Flocele					
147	SX				
1.21	cuft/sx				
179.8					
32.0	bbls				
15.6	ppg				
5.29	gal/sx				
	9-5/8 Surface Casing Class C Standard Co + 3% Calcium Chlor +0.25 lb/sx Flocele 147 1.21 179.8 32.0 15.6				

7" Intermediate Casing						
	Lead Slurry					
	Standard Cement					
Camant Daging	+ 3% Econolite (Lost	t Circulation Additive)				
Cement Recipe	+ 10 lb/sx Gilsonite (	Lost Circ. Additvie)				
	+ 0.25 lb/sx Flocele	(Lost Circ. Additive)				
Cement Required	368	SX				
Cement Yield	2.91	cuft/sx				
Charach (alama	1069.9	cuft				
Slurry Volume	190.6	bbls				
Cement Density	11.5	ppg				
Water Required	16.88	gal/sx				

7" Intermediate Casing						
	Tail Slurry					
	50 / 50 POZ:Standard Cement					
	+ 2% Bentonite (Light Weight Additive)					
Cement Slurry	+ 5 lbm/sk Gilsonite (Lost Circ. Additive)					
	+ 0.25 lbm/sk Flocele (lost Circ. Additive)					
	+ 2% Calcium Chloride (Accelerator)					
Cement Required	100 sx					
Cement Yield	1.33 cuft/sx					
Chamar Values	132.7 cuft					
Slurry Volume	23.6 bbls					
Cement Density	13.5 ppg					
Water Required	5.36 gal/sx					

# OPTION 2

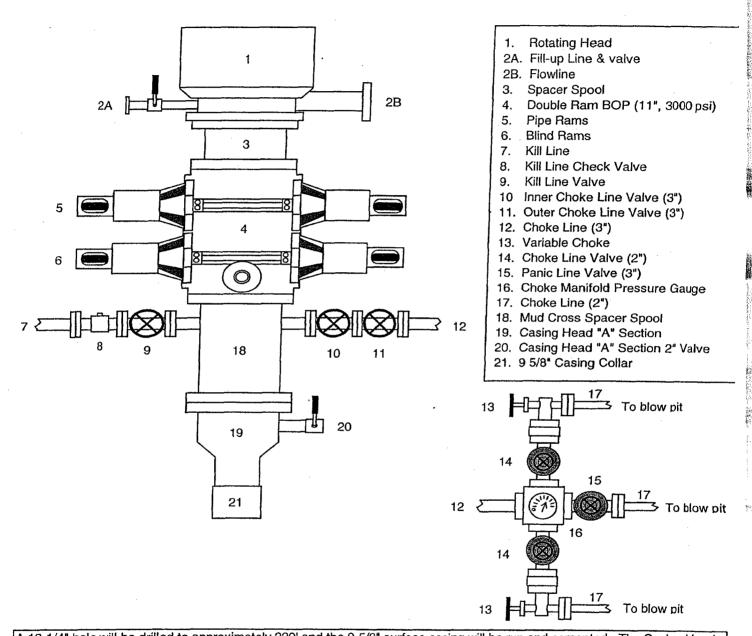
	9-5/8" Surface	Casing			
Cement Slurry	Class G				
	+ 2% S001 Calcium Chloride				
	+ 0.25 lb/sx D	0029 Cellophane Flakes			
0 ()/	1447				
Cement Volume	147	sx			
Cement Yield	1.16	cuft/sx			
Cement Volume	170.52	cuft			
Cement Density	15.8	ppg			
Water Required	4.983	gal/sx			

	7" Intermediate	Casing			
	Lead Sluri	ТУ			
Cement Slurry	ement Slurry Class G				
	tender				
+ 0.25 lb/sx D029 Cellophane Fla					
	+ 0.2% D046 A	Antifoam			
Cement Volume	413	sx			
Cement Yield	2.61	cuft/sx			
Cement Volume	1077.03	cuft			
Cement Density	11.7	ppg			
Water Required	15.876	gal/sx			

	7" Intermediate	Casing	
,	Tail Slurr	У	
Cement Slurry	50% POZ / 50	% Class G cement	
	+ 2% D020 Bentonite		
	+ 2% S001 Calcium Chloride		
	+ 0.25 lb/sx D	+ 0.25 lb/sx D029 Cellophane Flakes	
	+ 5 lb/sx Gilsonite Extender		
	+ 0.2% D046 Antifoam		
		·	
Cement Volume	100	sx	
Cement Yield	1.27	cuft/sx	
Cement Volume	126.80	cuft	
Cement Density	13.5	ppg	
Water Required	5.182	gal/sx	

### **BLOWOUT PREVENTER ARRANGEMENT & PROGRAM**

For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



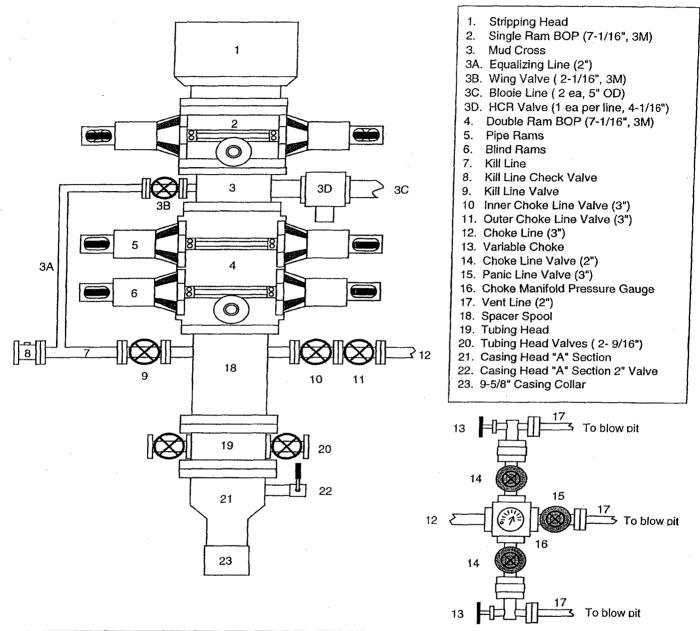
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A". Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 1000 psi (high pressure test) for 10 minutes. Then the test plug will be removed, and the 9-5/8" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1000 psi for 30 minutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). (Note: per regulatory requirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then an 8-3/4" hole will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. Upper Kelly cock Valve with handle
- 2. Stab-in TIW valve for all drillstrings in use

### **BLOWOUT PREVENTER ARRANGEMENT & PROGRAM**

For Cavitation Program

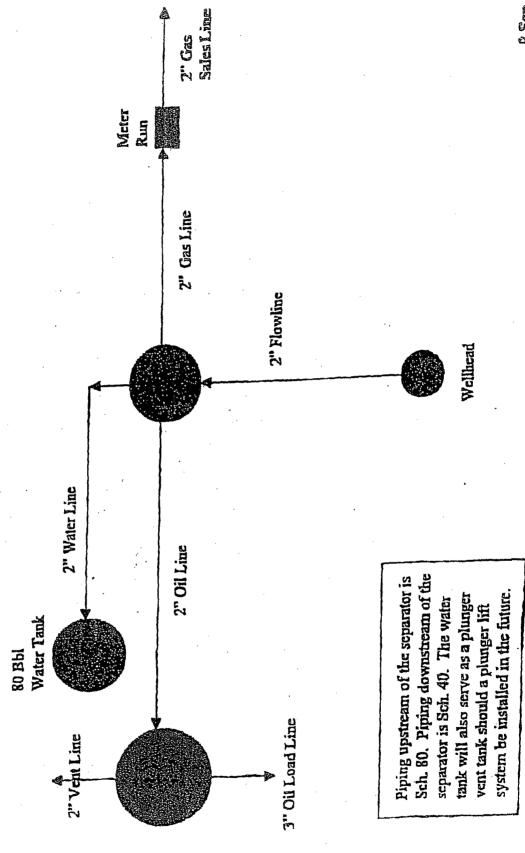


This BOP arrangement and test program is for the cavitation program. The BOP will be installed on the tubing head. The 7" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1800 psi for 30 minutes - this test pressure is 48% of the minimum internal yield strength of 3740 psi for the 7", 20#, J-55, STC casing. The pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 1800 psi (high pressure test) for 10 minutes - This test will be done with a test plug or possibly without a test plug (ie against casing). If we conduct this test without a test plug we will ensure that we have sufficient drillstring weight in the hole to exceed the upward force generated by the test.

We use a power swivel and air/mist to drill the 6-1/4" hole in our cavitation program. We do not use a kelly. In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. String floats will be used inside the drillpipe
- 2. Stab-in TIW valve for all drillstrings in use
- 3. Each bloole line is equipped with a hydraulically controlled valve (HCR valve).

# TYPICAL PRODUCTION FACILITY



Property:		SAN JUAN 31-6	SUNIT		Well #:	2	09A	
Surface Loc	ation:							
Unit:D	Secti	on: 1 Tow	vnship:_	30N	_Range:	7W		
County: Rio Arriba			State: New Mexico					
Footage	816	from the	North	line	435	from the	West	line.

### **CATHODIC PROTECTION**

ConocoPhillips (COP) proposes to drill a cathodic protection deep well groundbed for the subject well. COP will drill a hole vertically at the surface large enough to accommodate 20 feet of 8 inch diameter PVC pipe for surface casing to assist in further drilling and loading. Casing may be cemented in place for stability if needed. COP will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on the existing well pad and a Farmington based company will be doing the drilling for ConocoPhillips.



ConocoPhillips Company PTRRC

Peggy James 4001 Penbrook St Odessa TX, 79762 Phone (432)368-1230 Fax (432)368-1287

February 21, 2005

**NMOCD** 

Attn: Steve Hayden 1000 Rio Brazos Rd Aztec, NM 87410

Re:

San Juan31-6 #209A Basin Fruitland Coal

816' FNL & 435' FWL, Section 1, T30N, R7W

San Juan County, New Mexico

Dear Steve:

Please find attached a copy of the HPA notification letter and a copy of the certified return receipt for the San Juan 31-6 #209A well located in Section 1, T30N, R7W, San Juan County, New Mexico. The waiting period for this notification should conclude 3/7/05.

Regards,

PTRRC / Permian - Rockies

	STSPARIONA ROA	
130	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
2040	Complete igms 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  Print your name and address on the reverse so that we can return the card to out.  Attach this card to the back of the mailpiece or on the from it space permits.  T. Arigh Addressed to:	A Signature E Auch  B Received by (Purped Name) E Its pales to be a signature of the purper of the p
	Devon Energy 20 N. Brodowsky, Statistic	PREPARED TO THE PROPERTY OF TH
	OKLEHOME AUG OK THE	St. Servica (yell 48)  Diccenified (Mais, Flat (35)) (see Maid)  Lattipusta (see Mais) (see Maid) (see Maid)  [Ethiosofic (yell) (see Maid) (se
	2 Africie Number 7003 05	500 0001 8091 2781



ConocoPhillips Company PTRRC

Peggy James 4001 Penbrook St. , Ste. 302 Odessa TX, 79762 Phone (432)368-1230 Fax (432)368-1287

February 9, 2005

Devon Energy 20 North Broadway, Ste 1500 Oklahoma City, OK 73102

RE: San Juan 31-6 #209A Well

Basin Fruitland Coal

816' FNL & 435' FWL, Section 1, T30N-R7W

San Juan County, New Mexico

To the Affected Parties:

ConocoPhillips Company is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant to New Mexico Oil Conservation Commission Order R-8768-F dated July 17, 2003.

The affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

Sincerely,

Peggy James PTRRC / Permian - Rockies

attachment

## San Juan 31-6 #209A OFFSET OPERATOR PLAT

816' FNL; 435' FWL

OWNSHIP 30	NORTH,	RANGE 7	.WE
Devon Energy	Devon Energy	Devon Energy	
Devon Energy	•	ConocoPhillips	
Devon Energy		1 ————————————————————————————————————	
**************************************			