UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

		SF-078460	
APPLICATION FOR PERMIT T	6. If Indian, Allottee or Tr	be Name	
1a. Type of Work: DRILL REENTER		7. If Unit or CA Agreemer	it, Name and No.
/ lb. Type of Well: ☐ Oil Well	er 🔲 Single Zone 🙀 Multiple Z	8. Lease Name and Well N SAN JUAN 32-7 UNIT	
	VICKI WESTBY E-Mail: VICKI.R.WESTBY@CONOCOPHILLIPS.CO	9. API Well No.	3273L
3a. Address 4001 PENBROOK ODESSA, TX 79762	3b. Phone No. (include area code) Ph: 915-368-1352	10. Field and Pool, or Exp BASIN FRUITLAND	loratory
Location of Well (Report location clearly and in accordance NENW 610FNL 2391FWL	ance with any State requirements (1930)	11. Sec., T., R., M., or BII Sec 19 T32N R7W	
At proposed prod. zone NENW 610FNL 2391FWL	2005	· 6	
 Distance in miles and direction from nearest town or post 	office*	12: County or Parish	13. State NM
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 2484.30	17. Spacing Unit dedicate	
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth 3340 MD	20. BLM/BIA Bond No. o	n file
21. Elevations (Show whether DF, KB, RT, GL, etc.	22. Approximate date work will start	23. Estimated duration	
	24. Attachments		
he following, completed in accordance with the requirements o Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Off	4. Bond to cover the o Item 20 above). tem Lands, the 5. Operator certification	perations unless covered by an exist	
25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY Ph: 915-368-1352	2	Date 11/30/2004
Title AGENT			
Approved by (Signature)	Name (Printed/Typed)		Date
Title ATILLE	Office		3-3/-03
pplication approval does not warrant or certify the applicant ho	olds legal or equitable title to those rights in the su	hiect lease which would entitle the	applicant to conduct
perations thereon. conditions of approval, if any, are attached.			,
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, tates any false, fictitious or fraudulent statements or representat		fully to make to any department or	agency of the United
Additional Operator Remarks (see next page)	HOLD	CIMEOR NSL	
Electronic Submiss For CONO	sion #51337 verified by the BLM Well I COPHILLIPS COMPANY, sent to the F	nformation System	
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLANCE WITH ATTACHED "GENERAL REQUIREMENTS".		This action is subject to technical a procedural review pursuant to 43 C and appeal pursuant to 43 CFR 316	1110100.0

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

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District_IY 1220 S. St. Francis Dr., Santa Fe, NM 87505

30.37

Santa Fe, NM 87505

Form C-102 Revised June 10, 2003 Submit to Appropriate District Office

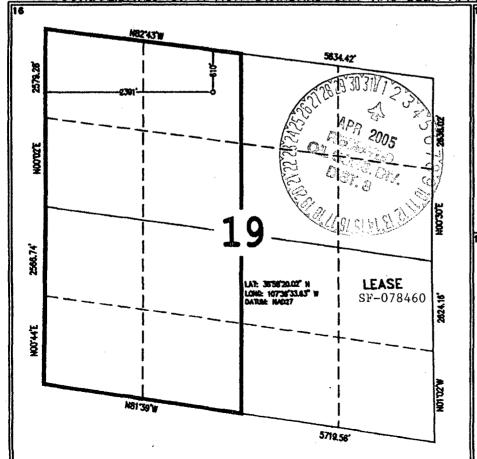
State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMMENDED REPORT

LOCATION AND ACREAGE DEDICATION PLAT 71629 BASIN FRUITLAND COAL (GAS) Property Name
SAN JUAN 32-7 UNIT Well Number 243A CONOCOPHILLIPS COMPANY Elevation 6375 Surface Location East/West line UL or lot no. County C 19 32N 610 NORTH 2391 WEST SAN JUAN **Bottom** Hole Different From Location Surface Count UL or lot no. Let Ide Feet from the "Joint or Infill "Consolidation Code "Order No. Dedicated Acre

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



1	true and complete to the best of my knowledge and
	belief.
	Vicke Westley (pt)
	Vicki Westby Printed Name
	Staff Agent Title and E-mail Address
I	11/28/04
	Dote
L	
ľ	SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from felid notes of actual surveys made by
	was plotted from felid notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey #6724/94 N Details
	was plotted from felid notes of actual surveys made by me or under any supervision, and that the same is true and correct to the best of my belief.
	was plotted from felid notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Surveys of the product of the same is true and correct on the best of my belief.
	was plotted from felid notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Surveys of the product of the same is true and correct on the best of my belief.
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	was plotted from felid notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Surveys of the production of the same is true and correct to the best of my belief.
	was plotted from felid notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Surveys of Target Physics Constitute and Sent Understand Harry Constitute and Sent Understand Harry Constitute Constitute Constitute Constitute Constitute Constitute Constitute Constitute Cons
	was plotted from felid notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey #6722/94 \(\text{TELL}\)

OPERATOR CERTIFICATION preby certify that the information contained herein le

Submit 3 Copies To Appropriate District Office	State of New Mexico	Fonn C-103
District I	Energy, Minerals and Natural Resources	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 DIVISION	5. Indicate Type of Lease
<u>District III</u> 1 000 Rio Brazos Rd., Aztec, NM 8741 0	1220 South St. Francis Dr.	STATE FEE
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa I e, NM 87505		
	ICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DONOTUSETHIS FORM FOR PROPO	SALS TO DRILLOR TO DEEPEN OR PLUG BACK TO A CATION FOR PERMIT (FORM C-101) FOR SUCH	
PROPOSALS).	ATION ON LAW IT (FORM CHOI) FOR SOCI	SAN JUAN 32-7 UNIT
1. Type of Well: Oil Well	8. Well Number 243A	
2. Name of Operator	0 71.111 0	9. OGRID Number
3. Address of Operator	ConocoPhillips Company	10. Pool name or Wildcat
3. Address of Operator	4001 Damburgh Odaria TV 70762	
4. Well Location	4001 Penbrook, Odessa, TX 79762	Basin Fruitland Coal
Unit Letter C	610 feet from the NORTH line and	2391 feet from the WEST line
Section 19	Township 32N Range 7W	NMPM SAN JUAN County
Scalor	I 1. Elevation (Show whether DR, RKB, RT, GR, etc.)	County
	6375 GL	
Pit or Below -grade Tank Application		
Pit type DRILL Depth to Groundw	ater 110' Distance from nearest fresh water well > 1 MILE Dist	ance from nearest surface water 370'
Liner Thickness: mil	Below-Grade Tank: Volume bbls; Con	struction Material
12. Check A	Appropriate Box to Indicate Nature of Notice, I	Report or Other Data
NOTICE OF IN	TENTION TO	
NOTICE OF IN	PLUG AND ABANDON REMEDIAL WORK	SEQUENT REPORT OF: K
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	CHANGE PLANS COMMENCE DRII	<u> </u>
PULL OR ALTER CASING	MULTIPLE COMPL CASING/CEMENT	
		_
OTHER:	OTHER:	
13. Describe proposed or composed was	oleted operations. (Clearly state all pertinent details, and ork). SEE RULE I 1 03. For Multiple Completions: Atta	give pertinent dates, including estimated date
or recompletion.	AN, SEE NOLE I 1 05.1 of Made Completions. 7 km	ar venoue diagram or proposed compositor
от тоо		
The pit will be constructed and closed	in accordance with Rule 50 and as per the Nov. 1st Guidel	ines. See the attached diagram that details the
	oposed wellhead. The drill pit will be lined. The drill pit will	
The solids left after the water has been	en disposed of will be sampled and NMOCD approval v	vill be obtained prior to closure of this pit.
	,	
	•	
I hereby certify that the information grade tank has been/will be constructed or	n above is true and complete to the best of my knowle dosed according to NMOCD guidelines 2, a general permit 🗍	dge and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
SIGNATURE Vicki Westby	TITLE Staff Agent	DATE 11/28/04
Type or print name	E-mail address:	Telephone No.
For State Use Only	\mathcal{A}	A D =
A POD OLIFIC DAY	DEPUTY OIL & GAS INS	PECTOR, DIST, AND DATE APR - 1 2000
APPROVED BY: Conditions of Approval (if any):	My mile	DATE 4 ZUU
• • • • • • • • • • • • • • • • • • • •	i / N /	

CONOCOPHILLIPS COMPANY SAN JUAN 32-7 UNIT #243A 610' FNL & 2391' FWL, SECTION 19, T32N, R07W, NMPM SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6375' 50° CONSTRUCTION ZONE DRAIN TO RESERVE RESERVE PIT SURFACE OWNER* BLM PLAT NOTE: Ø.3 ⊕ F21.4 A-A' 6395' 6375' 6355 B-B' 6395 6375' 6355' C-C' 6395' 6375' 6355' SHEET 2 OF 6 CHENAULT CONSULTING INC. DRAWN BY:J. FUNK CHECKED BY:G, CHENAULT

FILENAME: SJ32-7 243A.dwg



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

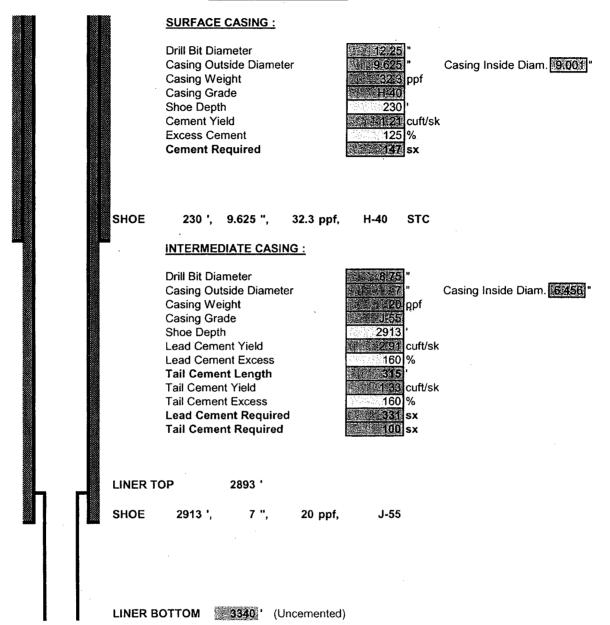
SAN JUAN 32-7 243A

							···		
Lease:					AFE #:				AFE \$:
Field Name: hPHILL	IPS 32-7		Rig:				State: NM	County: SAN JUAN	API #:
Geoscientist: Murph	ıy, Jim O.		Phone	e: 832-486-	2361	Prod.	Engineer:		Phone: 832-486-2254
Res. Engineer: Ande	erson, Derri	ck K	Phone	: 832 486-	3486	Proj.	Field Lead:		Phone:
Primary Objective	(Zones):							100	The state of the s
Zone 2	one Name	,							
JCV E	BASIN FRUI	TLAND COAL	(GAS)						
Location: Surface									Straight Hole
Latitude: 36.97	Longit	ude: -107.6	1	X:		Y:		Section: 19	Range: 7W
Footage X: 2391 FV	/L Footag	je Y: 610 FN	lL	Elevation:	6375	(FT)	Township: 32N		
Tolerance:									
Location Type:			Start	Date (Est.):		Co	mpletion Date:	Date Ir	Operation:
Formation Data: A	ssume KB =	= 6388	Units =	· FT					-
Formation Call &		Depth (TVD in Ft)	SS (Ft)	Depletio (Yes/No	on BHP (PSIG)	ВНТ		Remark	s
Casing Points SAN JOSE		13	6375) (F3IG)	1			
Surface Casing		213	6175	=			12-1/4 hole.	9 5/8" 32.3 ppf. H-40. 9	STC casing. Circulate cement
-				_			to surface.	το στο μμι, τι το, τ	
NCMT		471	5917	_					
OJAM		2013	4375	=			Possible water	flows.	
KRLD FRLD		2093	4295				Dossible and		
Intermediate Casing		2868 2913	3520 3475				Possible gas.	7" 20 nnf 1-55 STC C:	asing. Circulate cement to
intermediate casing		2913					surface.	, 20 ppi, 3 33, 310 cc	ising. Circulate cement to
BASE MAIN COAL		3078	3310		800				
PC TONGUE		3173	3215	. ==					
BASE LOWEST COAL		3250	3138	=					
PCCF		3258	3130	_			6 1/4" holo na	scible undersamed to	O.E. Ontional Linear F.E.
Total Depth		3340	3048	· U			15.5#, J-55 LT	C - left uncemented.	9.5". Optional Liner: 5.5",
Reference Wells:	ur teaser								Park the second
Reference Type W	/ell Name			Comme	nts				
Logging Program: Intermediate Logs:		v if show	GR/IL	D Tric	ole Combo				A COMPANY OF THE PROPERTY OF T
		y 11 3110W	CITYLE						
TD Logs:	Triple C	Combo 🔲 C	Dipmete	r 🔲 RFT	Sonic [☐ VSI	P TDT		
	TD in	cludes 80 fe	et sun	np/rathole &	COPC will	compl	v with		
Additional Information	on: the B	LM's Condit rathole in t	ions of	Approval for	or the propo	sed	,	74.44.	
There	forma	ation							
	Stage	From	ı (rt)	To (F	·t)	100l	Type/Name	Remarks	
Comments: General	Mark Docc	rintion -							

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

Printed on: 1/3/2005 11:24:09 AM

San Juan 32-7 # 243A



SAN JUAN 32-7 #243A

OPTION 1

	OFTION					
	9-5/8 Surface Casir	ng				
Cement Recipe	Class C Standard Co	Class C Standard Cement				
	+ 3% Calcium Chlori	de				
	+0.25 lb/sx Flocele					
Cement Volume	147	sx				
Cement Yield	1.21	cuft/sx				
Cl \/-!	179.8	cuft				
Slurry Volume	32.0	bbls				
Cement Density	15.6	ppg				
Water Required	5.29	gal/sx				

	7" Intermediate Casi	ng			
	Lead Slurry				
	Standard Cement				
Cement Recipe	+ 3% Econolite (Lost Circulation Additive)				
	+ 10 lb/sx Gilsonite (Lost Circ. Additvie)				
	+ 0.25 lb/sx Flocele (Lost Circ. Additive)				
Cement Required	331	sx			
Cement Yield	2.91	cuft/sx			
Slurry Volume	964.3	cuft			
Sidily volume	171.8	bbls			
Cement Density 11.5 ppg					
Water Required	16.88	gal/sx			

	7" Intermediate Casi	ng				
	Tail Slurry					
	50 / 50 POZ:Standar	50 / 50 POZ:Standard Cement				
	+ 2% Bentonite (Ligh	nt Weight Additive)				
Cement Slurry	+ 5 lbm/sk Gilsonite	+ 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				
Slurry Volume	132.7	cuft				
Siurry volume	23.6	bbls				
Cement Density 13.5 ppg						
Water Required	5.36	gal/sx				

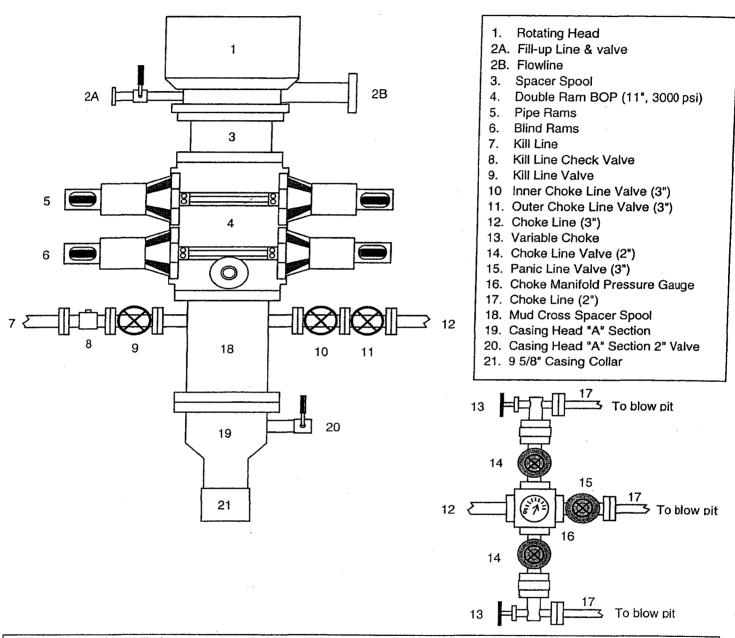
OPTION 2

	9-5/8" Surface	Casing		
Cement Slurry	Class G + 2% S001 Calcium Chloride			
	+ 0.25 lb/sx D	029 Cellophane Flakes		
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 Slui	ry		
Cement Slurry	Class G	Class G		
	+ 3% D079 Extender			
	+ 0.25 lb/sx D029 Cellophane Flakes			
***************************************	+ 0.2% D046 Antifoam			
Cement Volume	372	sx		
Cement Yield	2.61	cuft/sx		
Cement Volume	971.50	cuft		
Cement Density	11.7	ppg		
Water Required	15.876	gai/sx		

	7" Intermediate	Casing			
	Tail Slur	ГУ			
Cement Slurry	50% POZ / 50	50% POZ / 50% Class G cement			
	+ 2% D020 B	entonite			
	+ 2% S001 C	alcium Chloride			
	+ 0.25 lb/sx D	+ 0.25 lb/sx D029 Cellophane Flakes			
	onite 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



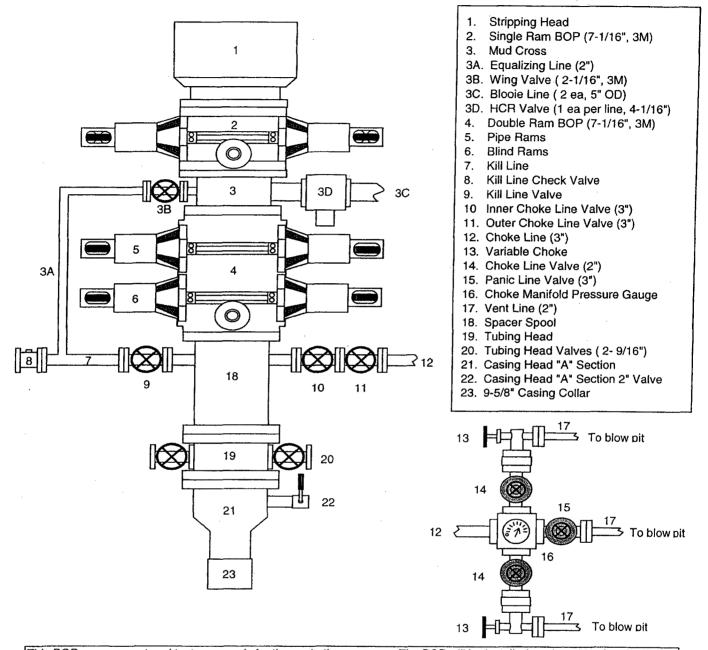
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe 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 blooie line is equipped with a hydraulically controlled valve (HCR valve).

Property: SAN JUAN 32-7 UNIT		_ Well #:2			43A			
Surface Loc	ation:				•			
Unit: C	Secti	on: <u>19</u> To	wnship:	32N	_Range:	7W		
County: SA	AN JUAN	·		State:	New Me	exico		
Footage:	610	from the	NORTH	line.	2391	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.