Form 3160-3 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER    Type of Work	<b>2 3 3 3 3 3 3 3 3 3 3</b>	$\mathcal{F}$		
a Type of Work DribLL Greenter Reference to Single Zone Multiple Zone Reference to Single Zone Multiple Zone Reference to Single Zone Multiple Zone Reference to Single Zone Reference to Single Zone Multiple Zone Reference to Single Zone Reference to Single Zone Reference to Single Zone Reference to Single Zone Single Zone Reference to Single Zone Zone Single Zone Zone Single Zone Zone Single Zone Single Zone Single Zone Zone Single Zone Single Zone Zone Zone Single Zone Zone Zone Zone Single Zone Zone Zone Zone Zone Zone Zone Zon	A DDI ICATION FOD DEPMIT TO	DRILL OR REENTER	5 Lease Serial	
b. Type of Well Oil Well	APPLICATION FOR TERMIT TO	MAR 200		
Name of Operator Phillips Petroleum Company A dates A Mell 3004, Farmington, NM 87401  Joestion of Well (Repart location clearly and na accordance with any State equirements)* As surface Unit E, 1570; FNL 663; FWL (Lat-36.88585 & Long 107.6511)  As proposed prod. Zanc At proposed prod. Zanc  A proposed prod. Zanc  A brilips N For Silve N For Silve N For Silve Silv	a. Type of Work X DRILL	REENTER	6. If Indian, A	llotee or Tribe Name
Name of Operator  S. Lease Name and Well No.  S. 22. Bunit #17M  S. 23. Bunit #17M  S. 24. Bunit #17M  S. 25. Service of Well (Report location cleurly and an accordance with any State equivements)*  At surface Unit E. 1570' FNL & 663' FWL (Lat-36.88585 & Long 107.6511)  Incention of Well (Report location cleurly and an accordance with any State equivements)*  At surface Unit E. 1570' FNL & 663' FWL (Lat-36.88585 & Long 107.6511)  Incention of Well (Report location cleurly and an accordance with any State equivements)*  At surface Unit E. 1570' FNL & 663' FWL (Lat-36.88585 & Long 107.6511)  Incention of Well (Report location from nearest stown or post office*  Incention of Well (Report location from nearest stown or post office*  Incention of Well (Report location from nearest stown or post office*  Incention of Well (Report location from nearest stown or post office*  Incention of Well (Report location from nearest stown or post office*  Incention of Well (Report location from nearest stown or post office*  Incention of Well (Report location from nearest well and State)  Incention of Well (Report location from nearest well and State)  Incention of Well (Report location from nearest well and State)  Incention of Well (Report location from nearest well and state)  Incention of Access in lease  Incention of Access in leas	b. Type of Well Oil Well X Gas Well Oth	er Single Zone X Multiple Zone		•
Phillips Petroleum Company a Address a Address shipping to the company shipping to the company the company a Address See Standard Standard Special Speci	Name of Operator			
3.6   Phone No. (include area code)   3.6   Phone No. (include area			i	
Sociation of Net   Repair   Result   Sociation   Sociation   Sociation   Result   Result   Sociation   Result		3b. Phone No. (include area cod	e) 9 API Well N	0
Location of Well (Repart location of clearly and in accordance with any State equirements)*   At surface   Unit E. 1570* FNL & 663* FWL (Lat-36.88585 & Long 107.6511)   Sastin D. & & Blanco FNW   Li Sec. T., R., M., or Bik. and Survey of Section 23, T31N, R8W		87401 505-599-3454	30-0	045-30968
At proposed prod zone  Same as above  1. Distance in miles and direction from nearest town or post office*  1. Distance from proposed* 1. Distance from proposed location to nearest property or lease line, ft. 1. CAlso to nearest dig. unit line, if any)  1. Distance from proposed location* 1. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.  2. Distance from proposed location* 1. Well plat certified by a registered surveyor. 2. A Drilling Plan 2. A Drilling Plan 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  4. Bond to cover the operations unless covered by an existing bond on file (lease 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized officer.  Name (Printed/Typed) Patsy Clugston  1/2/02  Title  1. Date 1/2/02  Title 1. Sec., T. R., M., n. M.  1. Spacing Unit dedicated to this well location is on National Forest System Lands, the Sabs of the National Forest System Lands, the Sabs of the National Forest System Lands, the Sabs of the Plan Supplied to the Plan Supplied to the Sabs of the Plan Suppli	Location of Well (Report location clearly and in accordance was	ith any State equirements)*	10. Field and Po	ool, or Exploratory
At proposed prod. zonc  3. males as above  3. Distance in miles and direction from nearest town or post office*  15. miles N NE of Blanco, NM  15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)  16. No. of Acres in lease property or lease line, ft. (Also to nearest drg. unit line, if any)  18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  19. Proposed Depth to nearest well, drilling, completed, applied for, on this lease, ft.  22. Approximate date work will start* 23. Estimated duration May 14, 2002  24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  1. Well plat certified by a registered surveyor.  2. A Drilling Plan  3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  Name (Printed/Typed) Patsy Clugston  Name (Printed/Typed)  Patsy Clugston  Date  1/2/02  Title  Service Office  Name (Printed/Typed)  Patsy Clugston  Date  1/2/02  Title  Service Office  Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicandular operations thereon.  Conditions of approval, if any, are attached.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency.	Atsurface Unit E, 1570' FNL & 663' FWL (La	t-36.88585 & Long 107.6511)	11. Sec., T., R.	M., or Blk, and Survey or
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)  18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  19. Proposed Depth  20. BLM/BIA Bond No. on file  21. Elevations (Show whether DF, KDB, RT, GL, etc.  6593' GL  22. Approximate date work will start*  23. Estimated duration  24. Attachments  25. Hand fif the location is on National Forest System Lands, the  SUPO shall be filed with the appropriate Forest Service Office).  25. Signuature  16. No. of Acres in lease  17. Spacing Unit dedicated to this well  20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  20. BLM/BIA Bond No. on file  21. Bland to cover will start*  22. Approximate date work will start*  23. Estimated duration  24. Attachments  25. Signuature  26. Approximate date work will start*  27. Spacing Unit dedicated to this well  28. Bland for cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless covered by an existing bond on file (  18. Bond to cover the operations unless overed by an existing bond on file (  18. Bond to cover the operations unless overed by a	At proposed prod. zone same as above	ve	Section	23, T31N, R8W
15. Distance from proposed   16. No. of Acres in lease   17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)   19. Proposed Depth   20. BLM/BIA Bond No. on file to nearest well, drilling, completed, applied for, on this lease, ft.   19. Proposed Depth   8885   ES0048	4. Distance in miles and direction from nearest town or post office*		12.County or F	Parish 13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)  18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  19. Proposed Depth 19. Proposed Depth 20. BLM/BIA Bond No. on file ESO048  21. Elevations (Show whether DF, KDB, RT, GL, etc. 6593' GL 22. Approximate date work will start* 23. Estimated duration May 14, 2002 20 days  24. Attachments  The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:  1. Well plat certified by a registered surveyor. 2. A Drilling Plan 3. A Surface tise Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).  Name (Printed/Typed)  Patsy Clugston  Name (Printed/Typed)  Date  1/2/02  Title  Sr. Regulatory/Proration Clerk  Approved by (Signature)  Name (Printed/Typed)  Date  Date  3/7/02  Title  BLM FFO  Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applic conduct operations thereon.  Conditions of approval, if any, are attached.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency	15 miles N NE o	f Blanco, NM	San Juan,	NM
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	United States any false, fictitious or fraudulent statements or repre	sentations as to any matter within its jurisdiction.		· · ·
	*(Instructions on Reverse)			
*(Instructions on Reverse)				

proposed at 10 mm pursuant to 45 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

SUBJECT TO COMPLIANCE WITH ATTACHED TOLINERAL REQUIREMENTS."

District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Bruzos Rd., Aztec, NM 87410

N89°50'W

5217.681

Certificate Number

District IV

## State of New Mexico Caergy, Minerala & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-1 Revised October 18, 19

Instructions on ba Submit to Appropriate District Offi

State Lease - 4 Copi Fee Lease - 3 Copi

2040 South Pacheco, Santa Fe, NM 87505 AMENDED REPOR WELL LOCATION AND ACREAGE DEDICATION PLAT <sup>2</sup> Pool Code <sup>3</sup> Pool Name 71599 Basin Dakota 1 Property Code 5 Property Name \* Well Number 009261 JUAN 32-8 UNIT 17M OGRID No. Operator Name Elevation 017654 PHILLIPS PETROLEUM COMPANY 65931 Surface Location UL or lot no. Section Township North/South line Range Lot Idn Feet from the Feet from the East/West line County 23 31N 8W 1570' NORTH 663! WEST \$an juan Bottom Hole Location If Different From Surface UL or lot no. Section Lot Idn Township Range Feet from the North/South line Feet from the East/West line Coupty 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 320.0 W/2 Y U NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR . NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 5233.14' OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature SF-079047 6631 Patsy Clugston 2160.0 acres Printed Name Sr. Regulatory/proration Cler <u> 10/25/01</u> <sup>18</sup>SURVEYOR CERTIFICATION l hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me that the same is true and PADABM correct to the 

District I PO Box 1980, Hobbs, NM 88241-1980 District II

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-10 Revised October 18, 199 Instructions on bac Submit to Appropriate District Office State Lease - 4 Copi Fee Lease - 3 Copi

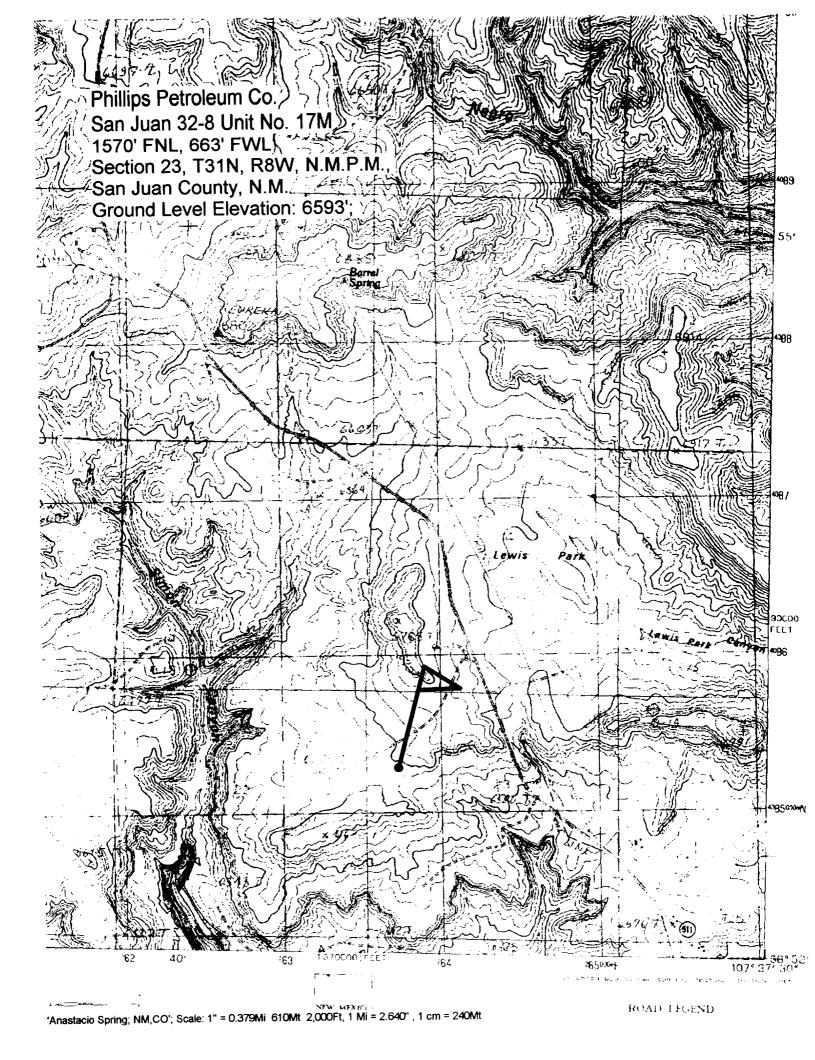
OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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811 South First, Artesia, NM 88210 District III 1000 Rio Benzon Rd., Aztec, NM 87410 District IV

2040 South Pach	eco, Santa I	Fe, NM 87505							AME	NDED REPO
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30-04	All Numb	50968		1 Pool Coc 72319	le	Blanco Mesav	1 Paul	Name		
4 Property Code 009261 3 OGRID No.			SAN JUAN 32-8 UNIT				• Well Number			
017654	110.		·	PHILI	LIPS PETROI	r Name LEUM COMPANY				* Elevation
[	T	γ	·	,	10 Surface	Location		<del></del>		
UL or lot no.	Section 23	Township 31N	Range 8W	Lot Idn	Feet from the 1570*	North/South line NORTH	Feet from the	East/West li	T I	County SAN JUAN
<u> </u>		<del> </del>		tom Hol	e Location I	f Different Fr	om Surface	<u> </u>	<u>Y</u>	JAN JUAN
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West li	ne	County
12 Dedicated Acre	1	or Infill 14 C	Consolidatio	a Code 15 O	rder No.	<u> </u>		_		·
320.0 W/2			U	F() #140 G					·	
THO ALLOWA	DLE WI	NC NC	N-STAN	DARD UN	COMPLETION IIT HAS BEEN	UNTIL ALL INT NAPPROVED BY	TERESTS HAV THE DIVISIO	'E BEEN CO ON	NSOL	IDATED OR
663'.0.21	, J	N89°39	'W '	523	3.14		Signature Patsy (Printed Nam Sr. Reg Title 10-25- Date	RATOR C  iffy that the inform  plete to the best of  Clugston  c  gulatory/1  -01	ention com	tion Cler
W01-10N	\frac{1}{\sqrt{1}}	7					* I hereby certif	y that the well loc om field notes of a upen sion, and the best party and the	ation sho	veus made hy me
	<u></u>	N89°50	'W	5217.6	68'		Certificate Nun	nber		

Certificate Number



### PHILLIPS PETROLEUM COMPANY

WELL	NAME:	San Juan 32-8	3 Unit #17M (M	<u>4V/DK)</u>		
	LING PROGNOSIS Location of Proposed		, 1570' FNL & 0 123, T31N, R8V			
2.	Unprepared Ground	Elevation:	<u>@ 6593' (un</u>	prepared)		
3.	The geological name	of the surface fo	ormation is San	Jose .		
4.	Type of drilling tools	will be <u>rotary</u>	•			
5.	Proposed drilling dep	oth is <u>8385'</u>				
6.	The estimated tops o	f important geol	ogic markers are	e as follows:		
		182' 546'	Menefee Fm. Pt. Lookout - Mancos Sh - Gallup Ss. Greenhorn Ls. Graneros Sh Dakota Ss -	5777' 6269' - 6769' - 7800'	· · · · · · · · · · · · · · · ·	
7.	The estimated dept formations are expect				other mineral be	aring
	Water: Gas & Water: Gas:	Ojo Alamo - Fruitland - Pictured Cliffs Mesaverde - Dakota -	2360' - 3185' - s - 3482' - 5405' - 7956' -	3482' - 3640' - 6269'	- - - -	
8.	The proposed casing	g program is as fo	ollows:			
	Surface String: 9-5 Intermediate String: Production String:	7", 20#, J/K-55 only casing avai	<u>@ 3740' (J-5</u> ilable.		, unless the K-55	is the
	* The surface casin	g will be set at a	n minimum of 32	20'. but could b	e set deeper if red	quired

to maintain hole stability.

9. Cement Program:

Surface String: 197.6 sx Type III cement + 2% bwoc Calcium Chloride + 0.25#/sx

Cello-flake + 60.6% FW (1.41 yield = 278 cf). C (rc v/a) =

Intermediate String: Lead Cement: 470.1 sx Type III cement (35:65) POZ + 5#/sx

Gilsonite + 0.25 #/sx Cello-Flake + 6% bwoc Bentonite + 10#/sx CSE + 3% bwow KCL + 0.4% bwoc FL-25 + 0.02#/sx static free + 129% FW (2.37 yield = 1141 cf). Cement to surface with 120%

excess casing/hole annular volume.

Tail Cement: 50.0 sx Type III cement + 0.25#/sx Cello-Flake + 1% Calcium Chloride + 60.5% FW (1.4 yield = 70 cf). Cement to

surface with 120% excess of casing/hole annulus volume.

Production String \*: Lead Cement: 50 sx Type III (35:65) POZ L (Fly Ash L) with 6%

gel Bentonite, 5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx

Static Free (2.34 yield = 117 cf).

2<sup>nd</sup> Lead Cement: 242.6 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 2.5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE,

0.02#/sx Static Free (2.32 yield = 562.832 cf)

Tail Cement - 20 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx

Static Free (1.91 yield = 38 cf).

\*The production casing cement is calculated to cover the openhole interval with 50% excess and annular volume 200' within intermediate shoe. Depending on hole conditions, the well may be cemented in a single stage or two staged.

Centralizer Program:

Surface: Total four (4) 1 @ 10' above shoe & top of 2<sup>nd</sup>, 4<sup>th</sup> & 6<sup>th</sup> joint

Intermediate: Total seven (7) – 10' above shoe, top of 1st, 2nd, 4th, 6th, & 8th jts &

1 jt. above surface casing.

Production: None planned.

Turbulators: Total Three (3) – on intermediate casing at 1<sup>st</sup> it. below the Ojo

Alamo and next 2 its up.

- 10. The minimum specifications for pressure control equipment which are to be used, a schematic diagram thereof showing sizes, pressure ratings (or) API series and the testing procedure and testing frequency are enclosed within the APD packet.
- 11. Drilling Mud Prognosis:

Surface - spud mud on surface casing.

<u>Intermediate</u> - spud mud generated from natural clays with gel sweeps pretreated w/LCM before entering coal interval.

Below Intermediate - air or gas drilled.

12. The testing, logging, and coring programs are as follows:

D.S.T.s or cores:

Logs: GR/CCL/CBL & GSL over zones of interest

13. Anticipated no abnormal pressures or temperatures to be encountered or any other potential hazards such as Hydrogen Sulfide Gas. Low risk H<sub>2</sub>S equipment will be used.

Estimated Bottomhole pressure:

Mesaverde - 1050 psi Dakota - 1900 psi

14. The anticipated starting date is approximately May 14, 2002 with duration of drilling / completion operations for approximately 20 days thereafter.

2002 Drilling\32-8#17M mvdk drill prog.doc

## BOP AND RELATED EQUIPMENT CHECK LIST

#### 3M SYSTEM:

2 hydr. rams (pipe & blind) or hydr. ram and annular with blind ram on bottom

Kill Line (2-inch minimum)

1 kill line valve (2-inch minimum)

1 choke line valve

2 chokes (refer to diagram in attachment 1) on choke manifold

Upper kelly cock valve in open position with handle available

Safety valve (in open position) and subs to fit all drill strings in use (with handle available)

Pressure gauged on choke manifold

2 inch minimum choke line

Fill-up line above the uppermost preventer

The BOPs will be pressure tested according to Onshore Order #2 III, A 1 and 30% safety factor.

drilling\BOPck.lst