Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUILDER OF LAND MANAGEMENT—

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

. BUREAU OF LAND MANAGEN	Expires: November 30, 2000.	
APPLICATION FOR PERMIT TO DRILL	5. Lease Serial No. NMSF080538	
a. Type of Work X DRILL REENT	6. If Indian, Allotee or Tribe Name	
b. Type of Well Oil Well Gas Well Other	7. Unit or CA Agreement Name and No. San Juan 30-5 Unit	
Name of Operator Phillips Petroleum Company	3b. Phone No. (include area coo	8. Lease Name and Well No. SJ 30-5 Unit #29M
a. Address 5525 Highway 64, NBU 3004, Farmington, NM 87401	9. API Well No. 30 39-26777	
Location of Well (Report location clearly and in accordance with any S	10. Field and Pool, or Exploratory Basin DK & Blanco MV	
At surface Unit H, 1834' FNL & 1060' FEL At proposed prod. zone Same as above	11, Sec., T., R., M., or Blk. and Survey or Section 14, T30N, R5W	
4. Distance in miles and direction from nearest town or post office* 28-1/2 miles NE of Bl	12. County or Parish Rio Arriba, NM	
5. Distance from proposed*	16. No. of Acres in lease	Spacing Unit dedicated to this well
location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)	2522 /75 acres) (5)	320 E/2 both MV & DK
8. Distance from proposed location*	19. Proposed Depth	20. BLM/BIA Bond No. on file
to nearest well, drilling, completed applied for, on this lease, ft.	8163	ES0048
1. Elevations (Show whether DF, KDB, RT, GL, etc.	22. Approximate date work will sta	
6690' GL	2nd Qtr 2002	1 month
	24. Attachments	1. 1. 1. 1. C.
The following, complete I in accordance with the requirements of Onshore		ned to this form: ons unless covered by an existing bond on file (see
Well plat certified by a registered surveyor. A Drilling Plan	Item 20 above).	ons unless covered by an existing bond on the (so
 A Surface Use Plan (if the location is on National Forest System Land SUPO shall be filed with the appropriate Forest Service Office). 	nformation and/or plans as may be required by the	
5. Signuature	Name (Printed/Typed)	Date
Ton - (Mes)	Patsy Clugston	7/7.′01
Title Sur Description Clork		
Sr. Regulatory/Proration Clerk Approved by (Signality)	Name (Printed/Typed)	Date /5/5/
Title AFM		
Application approval does not warrant or certify that the applicant holds is conduct operations thereon. Conditions of approval, if any, are attached.	legal or equitable title to those rights in	the subject lease which would entitle the applicant
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it United States any false, fictitious or fraudulent statements or representation	a crime for any person knowlingly and	willfully to make to any department or agency of n.
United States any taise, fictulous of fraudulent statements of representation		

*(Instructions on Reverse)

procedural review pursuant to so OFM \$185.3 and appeal pursuant to 43 OFR \$185.4.

EMBLEMM OF ENGREES AND MOTIVED AKE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" District I (1) Hag 1908, Habbs, NM (8241-1986 District II 211 South First, Artesia, NM 2219 District III 1000 Rie Brazes Rd., Azte:, NM 87410 District IV

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 1994 Instructions on back .

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

South Pachec	o, Sants Fe,									AME	NDED REPORT		
	Pl. Number		LL LO	1 Pool Co				3 Pool Na	MT nue				
30039-76777 72319						Blanco Mesaverde					* Well Number		
O09258 SAN JUAN 30-5)-5 UNIT 29M							
'OGRIU! 017654	No.			PH	Operator	LEUM COMP	ANY			6690'			
					¹⁰ Surface				East/West	\ !!	County		
II. or lot no.	Section	Township	Range	Lot Ida	Feet from the 1834	(Additive and 1 cm 1 cm		EAST		RIO ARRIBA			
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UL or lot no. H	Section	Township	Range	Lot Ida	Feet from the	North/South 1	ine Fee	Feet from the		t line	County		
Dedicated Acr	es 13 Joint	or Infill 14	Consolidatio	h Code	Order No.								
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					_	7	_	Signature Patsy Clugston					
•				1		10	60' 8	Printed Name Sr. Regulatory/Proration					
2580.00. 2 56.18			802		F-080538 2522.75 acre		80.	Title	orat on ore				
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District I
P1) Hag 1980, Hobbin, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1880 Rh. Bruzos Rd., Aztec, NM 87410
District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Remurces Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 1994

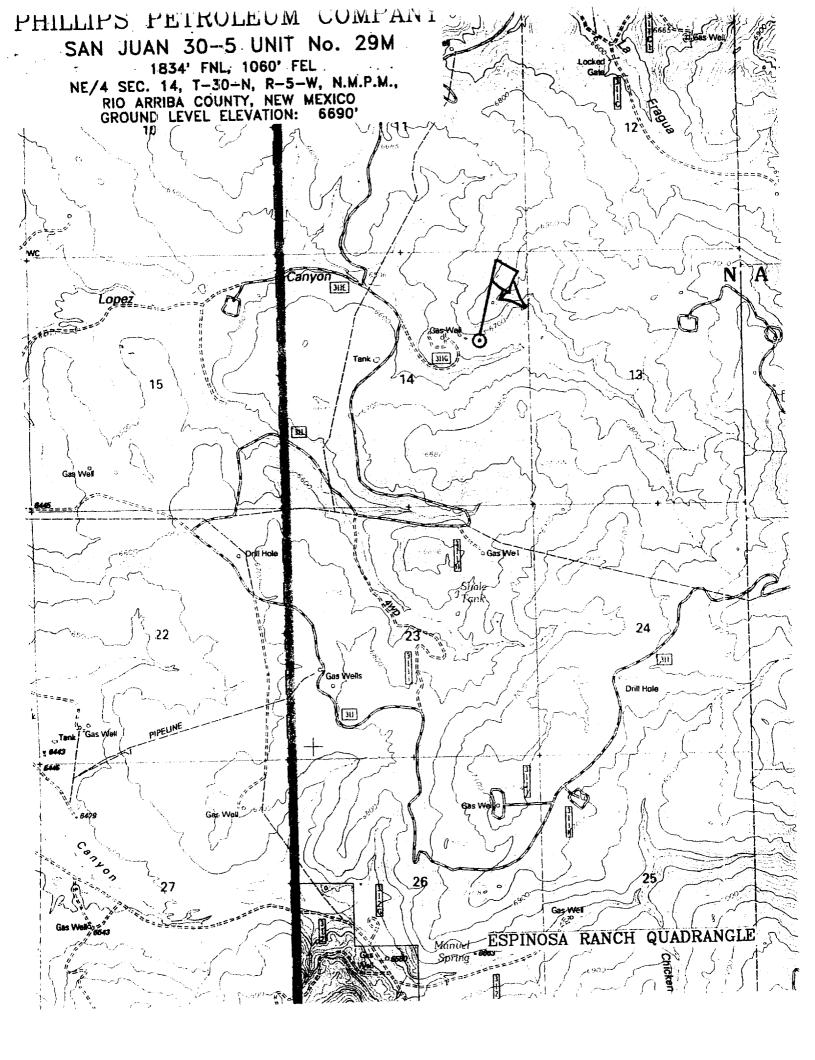
Instructions on back

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Fee Lease - 3 Copies

AMENDED REPORT

		WE	LL LO	CATIO	ON AND A	CREAG	E DEDIC	CAT	ON PL	<u>AT</u>		
٠,	API Number	•	715	Pool C	ade	Racin	Dakota		³ Pool Na	mc		
* Property (Code		715	99		erty Name					•	Well Number
09258		SAN JUAN 3U-3 UNII							29M			
'OGRID	No.		Operator Name PHILLIPS PETROLEUM COMPANY					6690'				
17654					10 Surfa						١	
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	`_		11 Bot	tom H	Iole Location	n If Dif	ferent Fro	om S	urface			
UL or lot no.	Section	Township	Range	Lot Ide			s/South line	Feet	from the	East/West	t line	County
Dedicated Act	1	Y	Consolidatio U		15 Order No.							
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		6783	Sec	tion.	14				18SUR	VEYO	R CEI	RTIFICATION
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	PHILLIPS PETRO	DLEUM COMPANY	
WELI	NAME: <u>San Juan 30-5 Unit #29M</u>	MV/DK	
DRIL	LING PROGNOSIS		
1.	Location of Proposed Well: Unit H, 18 Section 14	I, T30N, R5W	
2.	Unprepared Ground Elevation:	@ 6690' (unprepared) .	
3.	The geological name of the surface form	nation is <u>San Jose</u> .	
4.	Type of drilling tools will be <u>rotary</u> .		
5.	Proposed drilling depth is <u>8163'</u> .		
6.	The estimated tops of important geologic	c markers are as follows:	
	Ojo Alamo - 2752' P Kirtland Sh - 2957' M Fruitland Fm. -3299' G Pictured Cliffs - 3587' G Lewis Shale - 3782' G Cliff House Ss - 5517' D	Menefee Fm 5602' t. Lookout - 5814' Mancos Sh - 6100' Gallup Ss 6980' Greenhorn Ls 7830' Graneros Sh 7882' Oakota Ss - 8013'	- - - -
7.	The estimated depths at which antic formations are expected to be encounte	ipated water, oil, gas or red are as follows:	other mineral bearing
	Gas: Mesaverde - 5:	<u> 299' – 3587'</u>	
8.	The proposed casing program is as foll	ows:	
	Surface String: 9-5/8", 32.3#, H-40 @ Intermediate String: 7", 20#, J/K-55 @ Production String: 4-1/2", 11.6#, I -80	3907'	
9.	flake mixed at 1	III cement with 2% bwoc 14.5 ppg with a 1.41 ft3/sx culate to surface – 223 cf.	<u>CaCl2 + ¼#/sx Cello-</u> yield w/46.5% H2O or

Note: Cement slurry calculations based on cement to surface with 140% excess hole volume.

Intermediate String: Lead Cement: 471.7 sx Type III cement (35:65) POZ with 5#/sx Gilsonite, 1/4#/sx Cello-flake, 6% bwoc gel (bentonite), 10#/sx CSE, 3% bwow KCL, 0.4% bwoc FL-25 mixed and 0.02#/sx Static Free mixed at 12.0 ppg with a yield of 2.37 ft3/sx - 1118 cf.

> Tail Cement: 50 sx - Type III cement with 1/4#/sx Cello-flake and 1% CaCl2 mixed at 14.5 ppg with a 1.40 ft3/sx yield (70 cf).

In the event we encounter fluid loss during drilling operations, a contingency plan for cementing the intermediate casing may require a stage collar. Phillips cannot predict exact volumes. However the 1st stage will be Cl H cement w/5#/sx Gilsonite, 0.25#/sx Cello-flake, 0.3% FL-25 & 2% CaCl2 mixed at 15.2 ppg 1.28 yield. Stage 2 - lead slurry: 65 % Class H & 35% POZ w/6% Bentonite mixed at 12.6 ppg 1.79 cf/sx Tail Slurry - Class H w/2% CaCl2 mixed at 15.6 ppg 1.20 yield. All attempt to be circulated 100'overlaper/surb. csq min. to surface.

Production String

Lead: 334.3 sx Type III (35/65 POZ (Fly Ash) with 6% bwoc Bentonite, 10#/sx CSE, 0.2#/sx Static Free, 1% bwoc FL-52, 0.3% bwoc CD-32, 0.3% bwoc R-3 & 0.25#/sx Cello-Flake mixed at 12.3 ppg with a yield of 2.13 ft3/sx -712cf.

Note: The Production String casing cement is designed to cover openhole section (with 40% excess) and 100' inside the 7" shoe.

Note: Phillips Petroleum continually works to improve the cement slurries on our wells. BJ Services is currently trying to improve what we are using now and before we would use a new cement program it would have to have stronger properties than we are currently using.

Centralizer Program:

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

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

1 it. Above surface casing.

None planned. Production:

Total Three (3) - on intermediate casing at 1st jt. Below the Ojo Turbulators:

Alamo and next 2 its up.

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

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)

I 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