Form 3160-3 . (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

1	APPLICATION FOR PERMIT TO DRILL	OR REENTER	5. Lease Serial No. NMSF079380						
)	la. Type of Work X DRILL REENTER	6. If Indian, Allotee or Tribe Name							
	1b. Type of Well Oil Well Gas Well Other 2. Name of Operator Phillips Petroleum Company 3a. Address 5525 Highway 64, NBU 3004, Farmington, NM 87401 4. Location of Well (Report location clearly and in accordance with any State At surface G (SWNE), 1885' FNL & 1460' FEL; Lat-36 At proposed prod. zone Same as above	7. Unit or CA Agreement Name and No. NMNM78424B 8. Lease Name and Well No. San Juan 32-8 Unit 259 9. API Well No. 30-045-30997 10. Field and Pool, or Exploratory Basin Fruitland Coal 11. Sec., T., R., M., or Blk. and Survey or Area 9 Section 22, T32N, R8W							
•	14. Distance in miles and direction from nearest town or post office*	12. County or Parish 13. State							
	19 1/2 miles NE of Blar 15. Distance from proposed*		San Juan, NM 17 Spacing Unit dedicated to this well						
	location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)	1760.0 acres	320 E/2						
	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 3544'	20.BLM/BIA Bond No. on file ES0048						
\	21. Elevations (Show whether DF, KDB, RT, GL, etc.	22. Approximate date work will start	* 23. Estimated duration						
1	6749' GL	July 2002	30 days						
	The following, completed in accordance with the requirements of Onshore Oil	. Attachments proceed arel re	subject to technical and pursuant to 43 CFR 3165.8						
	 Well plat certified by a registered surveyor. A Drilling Plan A Surface Use Plan (if the location is on National Forest System Lands, th SUPO shall be filed with the appropriate Forest Service Office). 	ns unless covered by an existing bond on file (see							
	25. Signuature N	ame (Printed/Typed)	Date						
	Fatsy Clugation	Patsy Clugston	2/11/02						
_	Title Sr. Regulatory/Proration Clerk								
	Approved by (Signautre) /8/ Charlie Beecham	AUG 2 6 2002							
	Title ACTING O	ffice							
	Application approval does not warrant or certify that the applicant holds lega 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 cr								

*(Instructions on Reverse)

District I 19) Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Bruzos Rd., Aztec, NM 87410 District IV

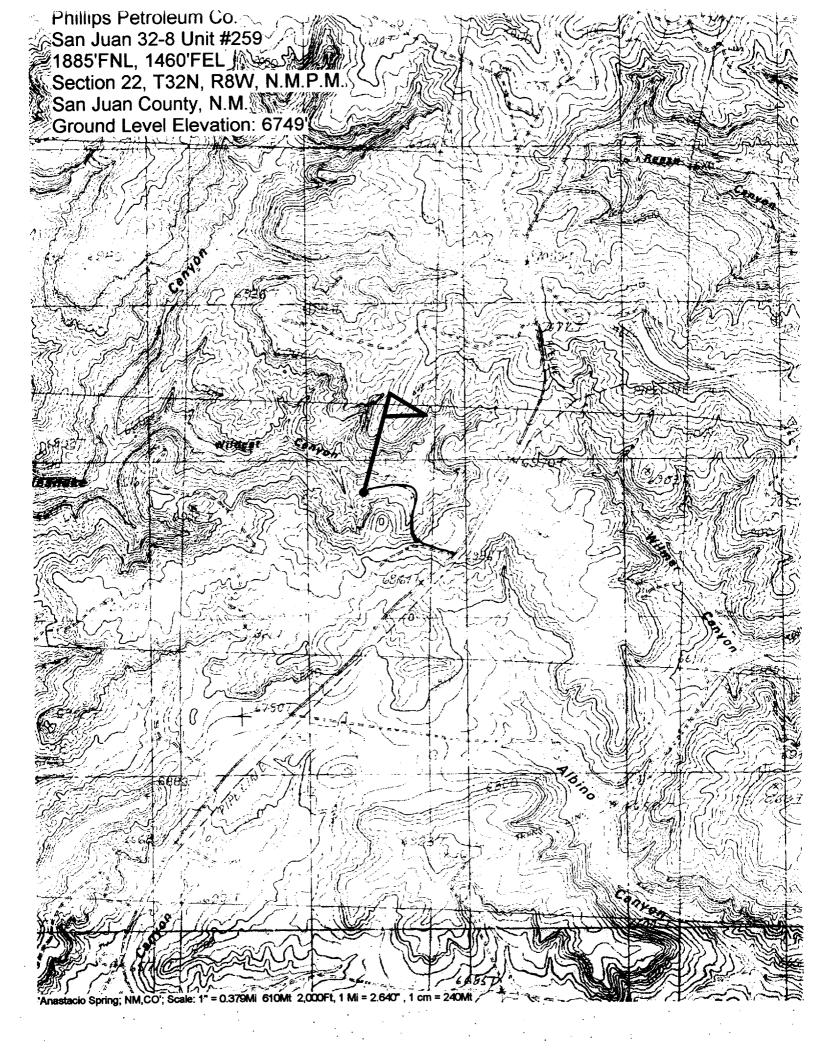
State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-1 Revised October 18, 19 Instructions on ba Submit to Appropriate District Offi

State Lease - 4 Copi Fee Lease - 3 Copi

2040 South Pach	eco, Santa I	Fe, NM 87	505											ENDED REPO
		•	WEI	LL LC	CAT	101	AND A	CR	EAGE DEDI	CA	TION PL	.AT		
3004	Alt Numb	599	77	,	' Pool 71629	l Code 9	:	Ва	ısin Fruitla	nd	' Pool N Coal	MENC		
⁴ Property Code					⁵ Property Name					• Well Number				
009261					SAN .IUAN 32-8 UNIT					259				
017654					PHI	LLI			UM COMPANY			· · · · · · · · · · · · · · · · · · ·	67	749'
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G G	22	32	- 1	8W	1200		1885		NORTH	1	1460' EAST			SAN JUAN
				11 Bot	tom I	Hole	e Location	If	Different Fro	m	Surface			
UL or lot no.	Section	Townsh	ip	Kunge	Lot Id	in	Feet from the		North/South line	F	ect from the	East/Wes	ıt line	County
12 Dedicated Acr	es "Joint	or Infill	14 Co	nsolidatio	n Code	" Oı	rder No.							
320 E/2	Y		<u> </u>	Ŭ			<u></u>							
NO ALLOWA	ABLE WI	LL BE							UNTIL ALL INT APPROVED BY				CONSO	LIDATED OR
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PHILLIPS PETROLEUM COMPANY

WELL	NAME:	San Juan 32-	8 Unit #2	59	-		
	THE PROCNESS						
DRILI	LING PROGNOSIS						
1.	Location of Proposed			FnL & 1460' I 2N, R8W	FEL		
2.	Unprepared Ground	Elevation:	(<u> 2</u> 6749'	_·		
3.	The geological name	of the surface f	ormation	is San Jose.			
4.	Type of drilling tools	will be <u>rotary</u>	•				
5.	Proposed drilling dep	oth is3544'	·				
6.	Kirtland - 240 Fruitland - 31	-	Base of Picture	Coal - 3544 Cliffs - 3649 Casing - 3289	4')')'		
7.	The estimated depti formations are expec		-		gas or	other mineral	bearing
	Water: Oil: Gas: Gas & Water:	Ojo Alamo - Fruitland Coa Fruitland Coa	none	2289' - 2409' 3309' - 3544' 3309' - 3544'		-	
8.	The proposed casing	program is as f	ollows:				
	Surface String: <u>9-5</u> Intermediate String: Production Liner: <u>5</u>	7", 20#, J/K-55 -1/2", 15.5# J/k	@ 328 C-55 @ 3	<u>9'</u> 269' – 3544'	•		
	* The surface cas required to maintain	_	at a mi	nimum of 20	0', but	could be set d	eeper if
9.	Cement Program: Surface String: casing/hole annulus Cello-flake + 60.6%	volume w/Type	e III ceme	nt + 2% bwo	c Calciu		

9. Cement program: (continued from Page 1)

Intermediate String: Lead Cement: 375.7 sx Type III cement. Cement to surface -

110% excess casing/hole annular volume w/ Type III cement + 0.25#/sx Cello-flake + 5#/sx Gilsonite + 6% bwoc Bentonite + 10#/sx CSE + 3% bwow KCL + 0.4% bwoc FL-25 mixed + 0.02#/sx static free mixed at 12.0 ppg. (2.52 cf/sx yield = 947cf)

Tail: 50 sx Type III cement + 0.25#/sx Cello-flake + 1% Calcium Chloride mixed at 14.5 ppg. (1.40 cf/sx yield = 70 cf)

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

Centralizer Program:

Surface: Total four (4) - 10' above shoe and top of 2nd, 3rd, & 4th jts.

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

1st jt. into shoe.

Turbulators: Total three (3) - one at 1st it below Ojo Alamo and next 2 its up.

Liner:

- If the coal is cleated a 5 ½" 15.5# liner will be run in the open hole without being cemented.
- If the coal is not cleated, a 4-1/2" 11.6# liner will be run & cemented. The well will then be completed by fracture stimulation.
- 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.

Intermediate - fresh water w/polymer sweeps. Bentonite as

required for viscosity.

Below Intermediate - air drilled.

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

D.S.T.s or cores:

Logs: Mud logs only

San Juan 32-8 #259 (CS)

SURFACE CASING:

Drill Bit Diameter	12.25 "	
Casing Outside Diameter	9.625 "	8.989
Casing Weight	32.3 ppf	
Casing Grade	H-40	
Shoe Depth	200 '	30 '
Cement Yield	1.41 cuft/sk	

Cement Yield 1.41 cuft/sk Excess Cement 110 %

Casing Capacity 0.0785 bbl/ft 0.4407 cuft/ft Hole / Casing Annulus Capacity 0.0558 bbl/ft 0.3132 cuft/ft

Cement Required 102.7 sx

SHOE 200 ', 9.625 ", 32.3 ppf, H-40

INTERMEDIATE CASING:

Drill Bit Diameter	8.75 "	
Casing Outside Diameter	7 "	6.455
Casing Weight	20 ppf	
Casing Grade	K-55	
Shoe Depth	3289 '	
Lead Cement Yield	2.52 cuft/sk	
Lead Cement Excess	110 %	
Tail Cement Length	200 '	30 '
Tail Cement Yield	1.4 cuft/sk	
Tail Cement Excess	110 %	

Casing Capacity 0.0405 bbl/ft 0.2272 cuft/ft
Casing / Casing Annulus Capacity 0.0309 bbl/ft 0.1734 cuft/ft
Hole / Casing Annulus Capacity 0.0268 bbl/ft 0.1503 cuft/ft

Lead Cement Required 375.7 sx Tail Cement Required 50.0 sx

LINER TOP 3269 '

SHOE 3289', 7", 20 ppf, K-55

LINER BOTTOM 3544 '

BOP AND RELATED EQUIPMENT CHECK LIST

2M 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.

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