FORM APPROVED

	(August 1999) UNITED ST	VES CAN RIVER	OMB No. 1004-0136 Expires November 30, 2		
1	DEPARTMENT OF T BUREAU OF LAND N	ANAGEMENT	5. Lease Serial No. SF-078049-A		
(APPLICATION FOR PERMIT	TO DRILL OF REENTER 2001	6. If Indian, Allottee or Tribe Nam	ne	
	1a. Type of Work: ☑ DRILL ☐ REENTER	DIST. 9	7. If Unit or CA Agreement, Name	and No.	
	Ib. Type of Well: ☐ Oil Well Gas Well ☐ Oth	ner Single Zone Multiple Zone	8. Lease Name and Well No. BOLIN HARDIE 1M		
•	2. Name of Operator CONOCO INC.	VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com	9. API Well No. 30-04-5-3093		
•	3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799	10. Field and Pool, or Exploratory BASIN DAKOTA		
	4. Location of Well (Report location clearly and in accorded	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Are		
	At surface SWSW 745FSL 940FWL	M Sec 34 T29N R8W Mer NI	MP		
	At proposed prod. zone				
	14. Distance in miles and direction from nearest town or post	office*	12. County or Parish SAN JUAN	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 this 320.00	well	
	18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth	20. BLM/BIA Bond No. on file		
/	completed, applied for, on this lease, ft.	7344 MD			
3	21. Elevations (Show whether DF, KB, RT, GL, etc. 6278 GL	22. Approximate date work will start	23. Estimated duration		
		24. Attachments	-		
	The following, completed in accordance with the requirements	of Onshore Oil and Gas Order No. 1, shall be attached to	this form:		
	 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service Of 	Item 20 above). 5. Operator certification	ons unless covered by an existing bon formation and/or plans as may be req	•	
	25 Cinnature	Name (Printed/Typed)	Date		

25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY	Date 11/08/2001
Title AUTHORIZED SIGNATURE		
Approved by Signature)	Name (Printed/Typed)	Date ///8/
Title AFM	Office FFO	
Application approval does not warrant or certify the applican	t holds legal or equitable title to those rights in the subject lease which would entitle the	applicant to conduct

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the appropriations 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 knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #8712 verified by the BLM Well Information System For CONOCO INC., sent to the Farmington Committed to AFMSS for processing by Maurice Johnson on 11/15/2001 ()

This scinor is steered to exemite a co procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS AUTHORIZED ARC DEMORTER HTTW SOMELINMOS OF TOLLRUG "GENERAL REGULARIA THIS"

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

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

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

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State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

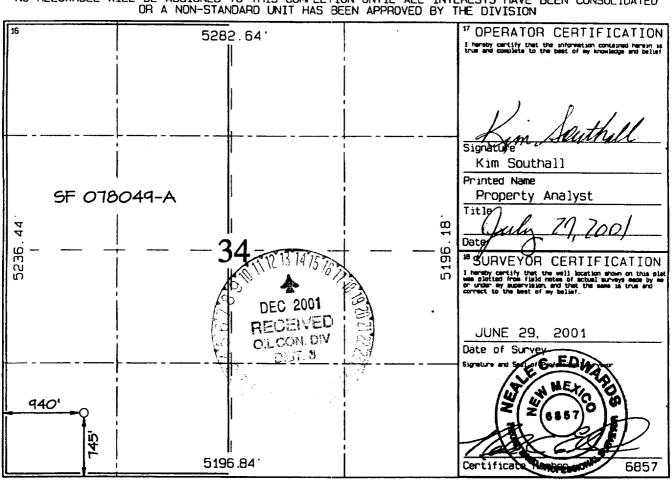
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

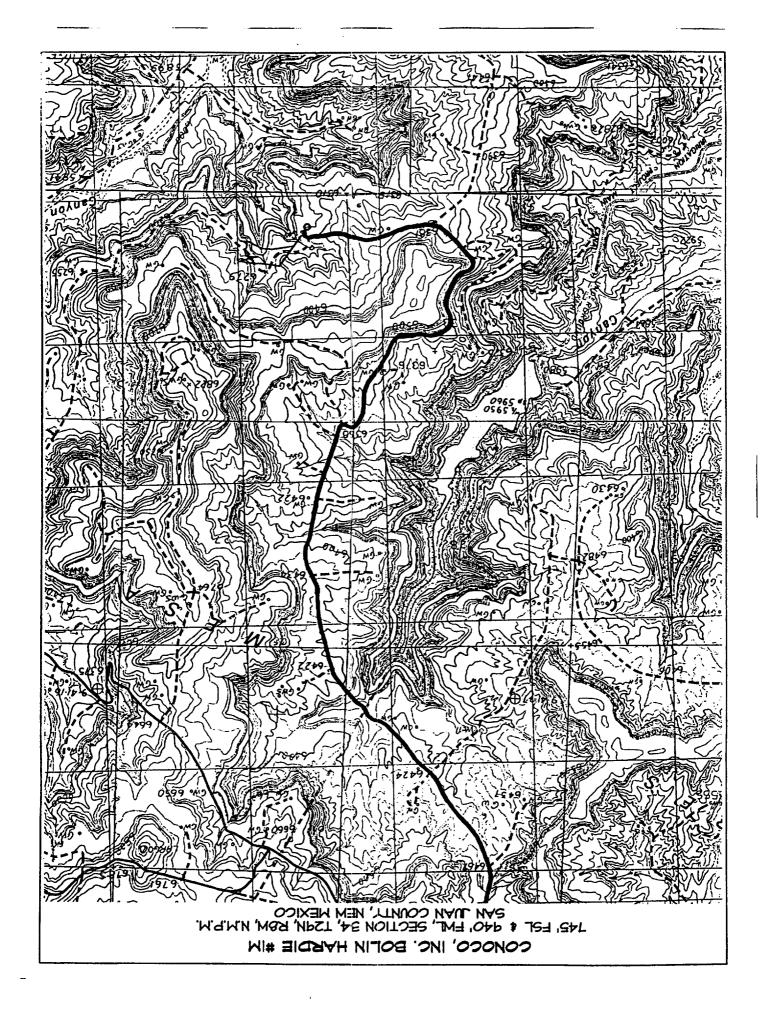
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

PI Number	5925		7 1599	- 1		Pool Nam		
	oy 25		71599)		DACTN DAG		
Code 7						BASIN DAKOTA		
7				Property	/ Name			Well Number
16207			BOLIN HARDIE				1M	
'OGRID No.				*Openat.or	Name			*Elevation
005073			CONOCO.	INC.			6278 ·	
¹⁰ Surface Location								
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Hest line	County
34	29N	8W		745	SOUTH	940	WEST	SAN JUAN
11 Bottom Hole Location If Different From Surface								
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
320.	0 Acres	(W/2)		¹¹ Joint or Infill	¹⁴ Coneclidation Code	* Order No.		
	Section 34	Section Township 34 29N 11 E Section Township	3 Section Township Range 34 29N 8W 11 Bottom	Section Township Range Lot Idn 34 29N 8W 11 Bottom Hole L Section Township Range Lot Idn	3 CONOCO. Section Township Range Lot Idn Feet from the 745 11 Bottom Hole Location I Section Township Range Lot Idn Feet from the 1 Bottom Hole Location I Section Township Range Lot Idn Feet from the 1 Bottom Hole Location I Section Township Range Lot Idn Feet from the 1 Bottom Infall Location I I	CONOCO, INC. 10 Surface Location Section Township Range Lot Ion Feet from the North/South line 34 29N 8W 745 SOUTH 11 Bottom Hole Location If Different Section Township Range Lot Ion Feet from the North/South line 12 Joint or Infill Macroslydetion Code	CONOCO, INC. 10 Surface: Location Section Township Range Let Idn Feet from the Abrit/South line Feet from the 34 29N 8W 745 SOUTH 940 11 Bottom Hole Location If Different From Surf Section Township Range Let Idn Feet from the North/South line Feet from the North/South line Feet from the 19 Joint or Infill Machine Code Pages No.	CONOCO, INC. 10 Surface Location Section Township Range Lot Idn Feet from the North/South line Feet from the East/Nest line 34 29N 8W 745 SOUTH 940 WEST 11 Bottom Hole Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the East/Nest line 13 Joint or Infill Macronishtson Code Township.

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





PROJECT PROPOSAL - New Drill / Sidetrack

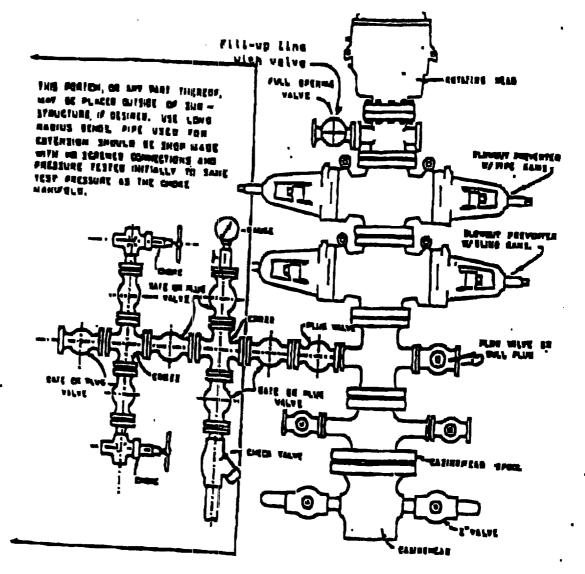


AFE#: AFE \$: Well: BOLIN HARDIE 1M Lease: BOLIN HARDIE API#: State: NM County: San Juan Field Name: EAST NON 28-7 Phone: (281) 293 - 6559 Phone: (281) 293 - 6538 Prod. Engineer: Moody, Craig E. Glaser, Terry J Geoscientist: Phone: (281) 293 - 6564 Proj. Field Lead: Phone: Res. Engineer: Shannon, Marc FiPrimary Objective (Zones): Pool Pool Name BASIN DAKOTA (PRORATED GAS) FRR " Bud Drill Protein and the contract of th Surface Location : -107.6687 X : Υ: Section: 34 Survey: 29N Abstract: 8W 36.677386 Longtitude : Latitude: Footage X: 940 FWL Footage Y: 745 FSL | Elevation: 6278 (FT) **X**: Y : Section: Survey: Abstract: Latitude : Longtitude: Start Date (Est.): Completion Date: Date In Operation: Location Type: Year Round Formation Data: Assume KB = 6291 Units = FT Formation Call & Depletion BHP Remarks Depth SS (Yes/No) (PSIG) **BHT** Casing Points (TVD in Ft) (Ft) 284 6007 #%# #8% Surface Casing Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface. 4434 #19 20 1857 OJAM Possible water flows" 28 4322 KRLD 1969 33 3762 2529 **FRLD** Possible gas (#3 (#3 2801 3490 **PCCF** 3192 58 3099 **LEWS** 88 3092 3199 Intermediate Casing 7", 20 ppf, J-55, STC Casing. Circulate cement to surface. 撼 3749 2542 **CHRA** 56 1300 4399 1892 **CLFH** Gas; possibly wet 1695 Q3 4596 MENF Gas 34 4949 1342 **PTLK** Gas 9.3 8.3 5249 1042 **MNCS** 6149 142 1 **GLLP** -703 縺 GRHN 6994 Gas possible, highly fractured -805 7096 TWLS Gas 7246 -955 233 **CBBO** Gas

PROJECT PROPOSAL - New Drill / Sidetrack



Total Depth	7344 -1053 3000 4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.						
Logging Program :							
Intermediate Logs :	☐ Log only if show ☐ GR / ILD ☐ Triple Combo						
TD Logs :	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☑ TDT						
Additional Information: Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole. Cased hole TDT with GR to surface.							
Comments : Same well	pad as Bolin A #3						



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 1000 psi equipment, but cannot provide annular preventors because of sub-structure limitations. Haximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP Please see the attached Bop diagram details 2000 pai equipment according to Onshore Order No. 2 even though the equipment will test to Jood pai. The 2000 psi system allows delation of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system:

- 1, Two rams with one blind and one pipe ram. 2.
- Kill line (2 inch maximum). 3,
- One kill line valve. 4.
- One choke line valve. 5,
- Two chokes (reference diagram No. 1). 6,
- Upper kelly cock valve with handle. 7,
- Safety valve and subs to fit all drill strings in use. 8. Two-inch minimum choke line. 9,
- 10.
- Pressure gauge on choke manifold. Fill-up line above the upper most preventor. 11.

Cathodic Protection System Description

		
Anode Bed Type	Deep Will	
Hole Size	8."	
Hole Depth	200" - 500'	As required to place anodes below moisture and in low resistance strate.
Surface Casing .	8° Diarn., ≥ 20° Length. Gemented In Annular Space	When needed, casing will be installed at an adequate depth to control ground water flow. Casing will extend a minimum of 2' above grade, be surrounded by a concrete pad, and sealed with a PVC cap. Steel casing will be substituted when boulders are ancountered,
Vent Pipe	1° Olem. PVC	Vent pipe will extend from bottom of hole, through top of casing cap, and sealed with a 1" perforated PVC cap.
Type Of Anodes	Cast Iron Or Graphite	
Number Of Anodes	E - 20	Sufficient quantity to achieve a total anode bed resistance of <1 ohm and a design life ≥ 20 years.
Anode Bed Backfill	Loresco SW Calcined Petroleum Coke Breeze	Installed from bottom of hole to 10' above top enode.
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
Current Splitter Box	2 - 5 Circuit Metal	Sezied to prevent insect & rodent intrusion.
DC / AC Cable	DC: #2, #4, #6, #8 Stranded Copper (One Size Or-Any Combination Of) With High Molecular Weight Polyethylens (HMWPE) Insulation. AC: #8 Stranded Copper HMWPE	18° depth in typical situation, 24° depth in roadway, & 36° depth in erroyo's and streams. EXCEPTION: If wanching is in extremely hard substratum, depth will be 6 - 12° with cable installed in conduit. Installed above foreign pipelines if 1° clearance is available, if not, installed under foreign pipeline with 1° clearance (AC cable always installed under foreign pipeline in conduit).
Power Source	1) Rectifler 2) Solar Power Unit 3) Thermoelectric Generator	Choice of power source depending on availability of AC & other economic factors.
External Painting	Color to be selected according to BLM specifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.