

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

District II
PO Box 97, Artesia, NM 88211-0097

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

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

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30877		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 13686	*Property Name HAMMOND WN FEDERAL		*Well Number 7B
*GRID No 005073	*Operator Name CONOCO, INC.		*Elevation 5093'

¹⁰ Surface Location

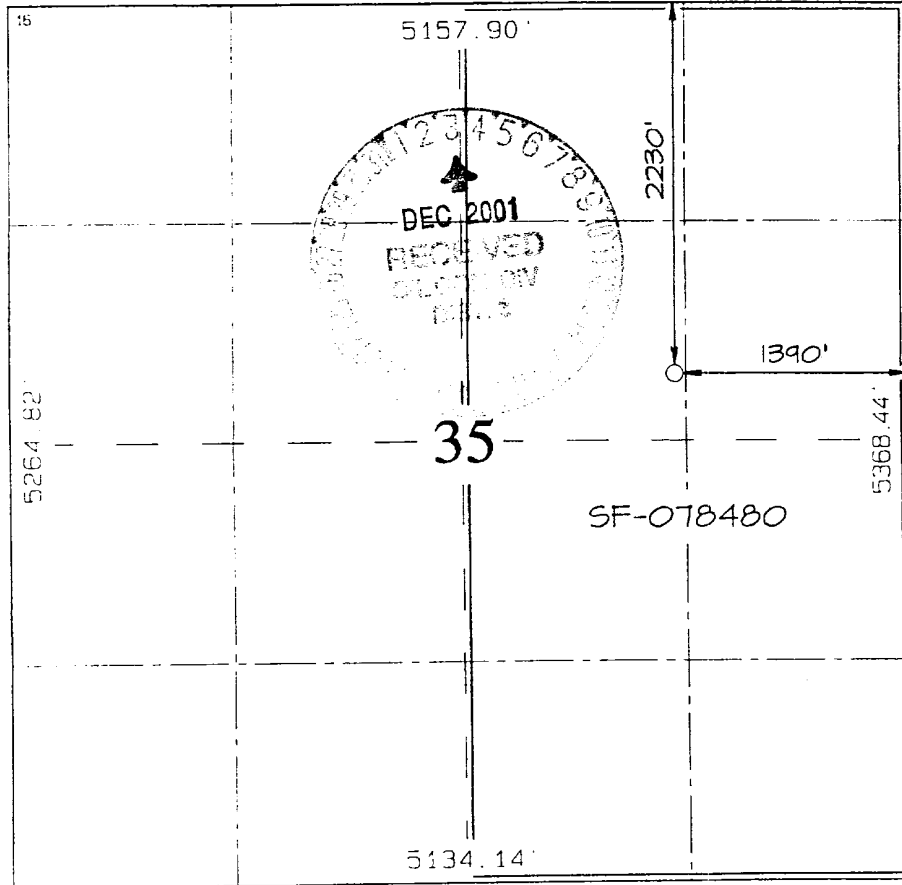
U. or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
G	35	27N	8W		2230	NORTH	1390	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320.0 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Vicki R. Westby
Signature
Vicki R. Westby
Printed Name
Sr. Title Analyst
Title
September 19, 2001
Date

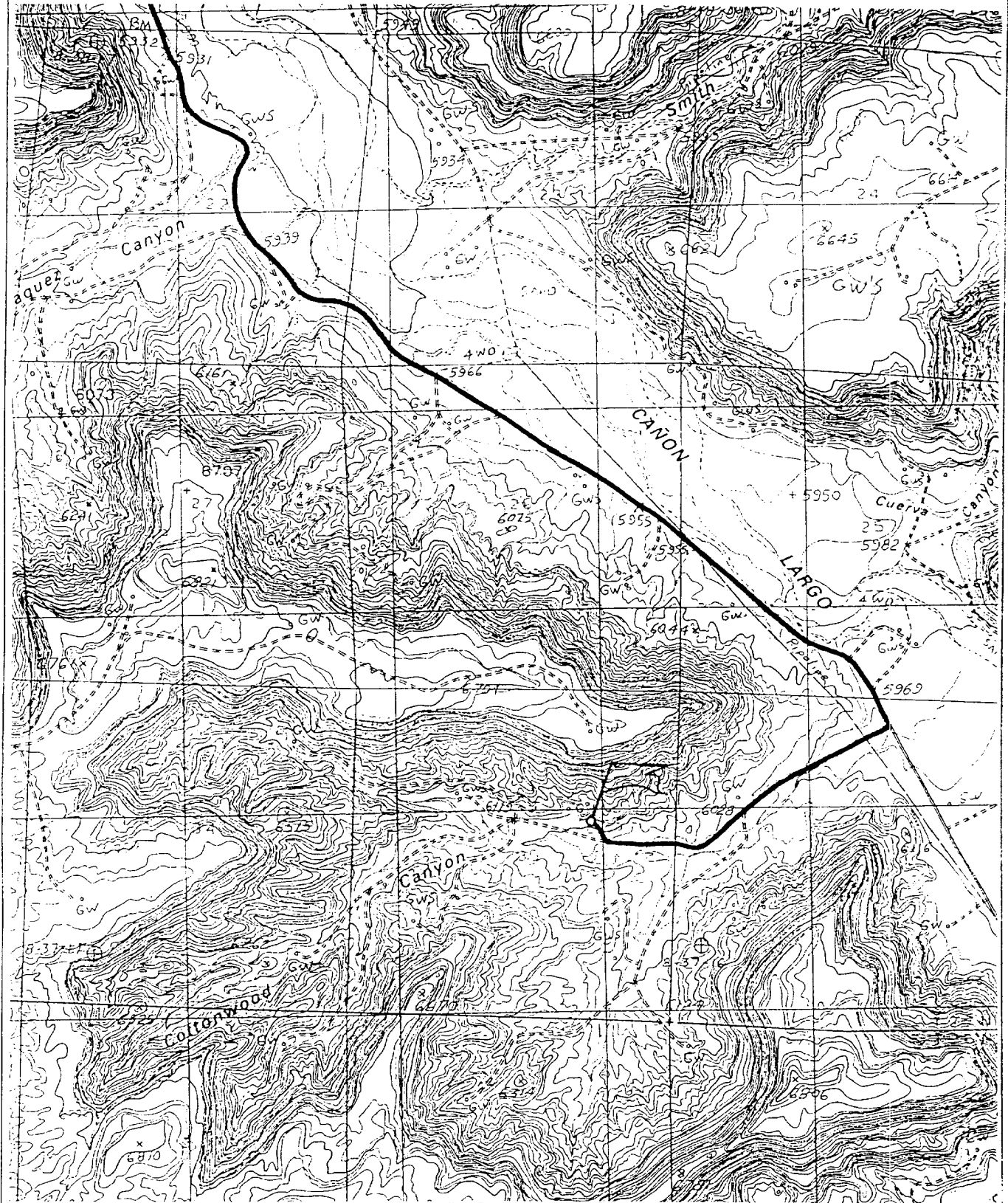
¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Date of Survey AUGUST 24, 2001
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

CONOCO, INC. HAMMOND WN FEDERAL #7B
2230' FNL & 1390' FEL, SECTION 35, T27N, R8W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



PROJECT PROPOSAL - New Drill / Sidetrack



Well : HAMMOND WN FEDER Lease : HAMMOND WN FEDER AFE # : 3327 (MV) AFE \$:
 Field Name : EAST NON 28-7 Rig : Key 49 State : NM County : San Juan API # :
 Geoscientist : Glaser, Terry J Phone : (281) 293 - 6538 Proc. Engineer : Moody, Craig E. Phone : (281) 293 - 6553
 Res. Engineer : Shannon, Marc Phone : (281) 293 - 6564 Proj. Field Lead : Bergman, Pat W. Phone : (281) 293 - 6517

Primary Objective (Zones) :

Pool : RON Pool Name : BLANCO MESAVERDE (PRORATED GAS)

"New Drill"

Surface Location :

Latitude : 36.531014 Longitude : -107.648 X : Y : Section : 35 Survey : 27N Abstract : 8W
 Footage X : 1390 FEL Footage Y : 2230 FNL Elevation : 6093 (FT)

Bottom Hole Location :

Latitude : Longitude : X : Y : Section : Survey : Abstract :
 Location Type : Year Round Start Date (Est.) : Completion Date : Date In Operation :

Formation Data : Assume KB = 6106 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	486	5620	<input type="checkbox"/>			Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	1386	4720	<input type="checkbox"/>			Possible water flows
KRLD	1496	4610	<input type="checkbox"/>			
FRLD	1861	4245	<input type="checkbox"/>			Possible gas
PCCF	2216	3890	<input type="checkbox"/>			
CHRA	3096	3010	<input type="checkbox"/>			
CLFH	3796	2310	<input type="checkbox"/>			Gas; possibly wet
MENF	3816	2290	<input type="checkbox"/>			Gas
PTLK	4444	1662	<input type="checkbox"/>	1300		Gas
Total Depth	4724	1382	<input type="checkbox"/>			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.

Cementing Summary

Hammond WN Fed #7B

	Depth	OH Excess				
9-5/8" Sfc Csg	0		Class 'A' Cement	287 sx	Slurry Volume	330.6 cu ft
			Flocele (if req'd)	0.25 lb/sk		58.9 bbl
9-5/8" shoe	500		CaCl ₂	2.00% bwoc-db	Slurry Density	15.8 ppg
			Defoamer (if req'd)	0.05 gal/bbl	Slurry Yield	1.15 cu ft/sk
					Mix Fluid	5.0 gal/sk
DV Tool #1	3,700					
Stage #2	60%	Blend		1020 sx	Slurry Volume	1734.4 cu ft
			Class 'H' Cement	47 lb/sk		308.9 bbl
8-3/4" Open Hole			San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg
			Bentonite	3.00% bwoc	Slurry Yield	1.70 cu ft/sk
			Halad-344	0.40% bwoc	Mix Fluid	8.26 gal/sk
			CFR-3	0.20% bwoc		
			HR-5	0.05% bwoc		
			Silicalite-blended	20 lb/sk		
			Flocele	0.25 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
Stage #1	60%	Blend		329 sx	Slurry Volume	559.9 cu ft
			Class 'H' Cement	47 lb/sk		99.7 bbl
			San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg
			Bentonite	3.00% bwoc	Slurry Yield	1.70 cu ft/sk
			Halad-344	0.40% bwoc	Mix Fluid	8.26 gal/sk
			CFR-3	0.20% bwoc		
			HR-5	0.05% bwoc		
			Silicalite-blended	20 lb/sk		
			Flocele	0.25 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
4-1/2" Csg Shoe	4,724					

Notes: 1) Conoco to verify DV depth and hole sizes.

Cathodic Protection System Description

Anode Bed Type	Deep Well	
Hole Size	8"	
Hole Depth	200' - 500'	As required to place anodes below moisture and in low resistance strata.
Surface Casing	8" Diam., \geq 20' Length, Cemented 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 encountered.
Vent Pipe	1" Diam. 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	8 - 20	Sufficient quantity to achieve a total anode bed resistance of < 1 ohm and a design life \geq 20 years.
Anode Bed Backfill	Loranco SW Calcined Petroleum Coke Breeze	Installed from bottom of hole to 10' above top anode.
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
Current Splitter Box	2 - 5 Circuit Metal	Sealed 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 Polyethylene (HMWPE) Insulation. AC: #8 Stranded Copper HMWPE	18" depth in typical situation, 24" depth in roadway, & 36" depth in arroyos and streams. EXCEPTION: If trenching is in extremely hard substratum, depth will be 8 - 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) Rectifier 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.