

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

Jami Bailey, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions  
listed below are made in accordance with OCD Rule 19.15.7.11  
and are in addition to the actions approved by BLM on the  
following 3160-3 APD form.

Operator Signature Date: 5/20/2014

Well information;

Operator Burlington Res., Well Name and Number SAN JUAN 28-5 Unit # 72P

API# 30-039-31241, Section 35, Township 28 NS, Range 5 E/W

Conditions of Approval:

(See the below checked and handwritten conditions)

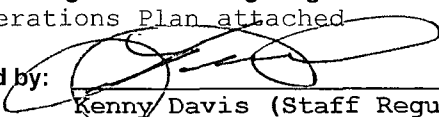
- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☐ Hold C-104 for directional survey & "As Drilled" Plat
- ☒ Hold C-104 for NSL NSP, DHC
- ☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- ☐ Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
  - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
  - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
  - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- ☐ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
- ☐ Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.

Chantler  
NMOCD Approved by Signature

8/22/2014  
Date KC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-0795222
1b. Type of Well GAS	Unit Reporting Number NMNM78411B(OR), NMNM78411A(MV)
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 28-5 Unit
4. Location of Well Surface: Unit N(SE/SW), 564' FSL & 2378' FWL  Surface: Latitude: 36.6111903° N (NAD83) Longitude: 107.3294651° W	9. Well Number 72P
	10. Field, Pool, Wildcat Blanco MV / Basin DK
	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T28N, R5W
	OIL CONS. DIV DIST. 3 API # 30-039- 31241
14. Distance in Miles from Nearest Town 44 miles from Bloomfield	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 564'	
16. Acres in Lease 411.570	17. Acres Assigned to Well 345.82 (DK) 361.36 (MV (SEE PLAT FOR DETAILS))
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 840' to SJ 28-5 Unit 73M (MV/DK) (BR Well)	
19. Proposed Depth 7939'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6669' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND 15/20/14 LANDS
24. Authorized by:  Kenny Davis (Staff Regulatory Tech)	Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NMOCDA

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, N.M. 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

RECEIVED

MAY 21 2014

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

Farmington Field Office  
Bureau of Land Management  
AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039 31241	<sup>2</sup> Pool Code 782319/71599	<sup>3</sup> Pool Name BLANCO MESA VERDE / BASIN DAKOTA
<sup>4</sup> Property Code 7462 7460	<sup>5</sup> Property Name SAN JUAN 28-5 UNIT	<sup>6</sup> Well Number 72P
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 6669

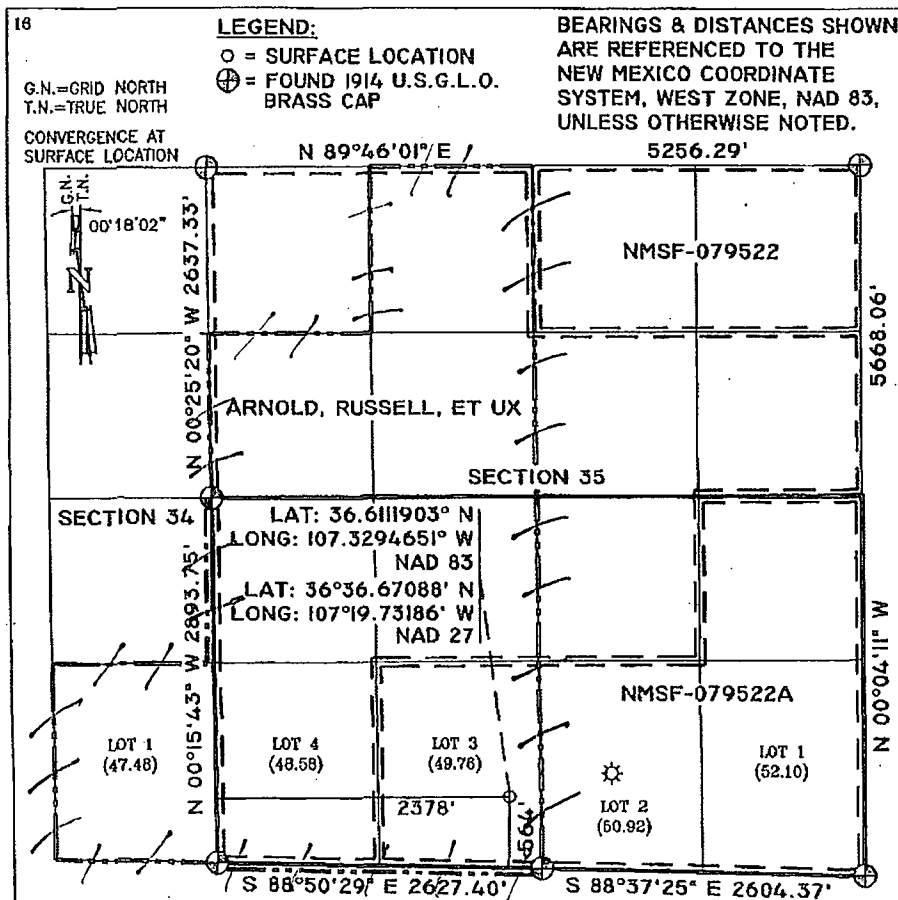
#### <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	35	28 N	5 W	3	564	SOUTH	2378	WEST	RIO ARriba

#### <sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
<sup>12</sup> Dedicated Acres 345.82(DK)- Sec. 35: Lots 3 and 4, NE/4 NW/4, S/2 NW/4 and N/2 SW/4 861.36(MV)- S/2						<sup>13</sup> Joint or Infill S/2 and 4, NE/4 NW/4, S/2 NW/4 and N/2 SW/4				<sup>14</sup> Consolidation Code R-2948 (13)

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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen White 3-10-14  
Signature Date

Arleen White  
Printed Name

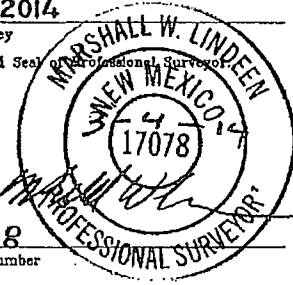
arleen.r.white@conocophillips.com  
E-mail Address

#### 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.

02/03/2014  
Date of Survey

Signature and Seal of Professional Surveyor



17078  
Certificate Number

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 72P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.3062				AFE \$:	
Field Name: SAN JUAN		Rig: 2015 2nd Rig Program		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
<b>Location:</b> Surface		Datum Code: NAD 27				<b>Straight Hole</b>	
Latitude: 36.611181	Longitude: -107.328864	X:	Y:	Section: 35		Range: 005W	
Footage X: 2378 FWL	Footage Y: 564 FSL	Elevation: 6669	(FT)	Township: 028N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2015		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6684 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	0	6684		<input type="checkbox"/>			Surface geology
Surface Casing	200	6484		<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1668	5016		<input type="checkbox"/>			
OJO ALAMO	2883	3801		<input type="checkbox"/>			
KIRTLAND	3068	3616		<input type="checkbox"/>			
FRUITLAND	3168	3516		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3533	3151		<input type="checkbox"/>			
LEWIS	3679	3005		<input type="checkbox"/>			
Intermediate Casing	3829	2855		<input type="checkbox"/>			8 3/4" Hole. 7", 23/20 ppf, J-55, LTC/LTC Casing. Cement with 863 cuft. Circulate cement to surface.
CHACRA	4477	2207		<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5198	1486		<input type="checkbox"/>	464		Gas
MENEFEE	5342	1342		<input type="checkbox"/>			
POINT LOOKOUT	5705	979		<input type="checkbox"/>			
MANCOS	6205	479		<input type="checkbox"/>			
UPPER GALLUP	6852	-168		<input type="checkbox"/>			
GREENHORN	7611	-927		<input type="checkbox"/>			
GRANEROS	7674	-990		<input type="checkbox"/>			
TWO WELLS	7711	-1027		<input type="checkbox"/>	1876		Gas
UPPER CUBERO	7812	-1128		<input type="checkbox"/>			
LOWER CUBERO	7858	-1174		<input type="checkbox"/>			
OAK CANYON	7922	-1238		<input type="checkbox"/>			
Total Depth	7939	-1255		<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, N/L-80, LTC/BTC casing. Cement w/ 539 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7939	-1255		<input type="checkbox"/>			TD at the top of Encinal. Est bottom perf 20' from TD.
<b>Reference Wells:</b>							

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 72P

DEVELOPMENT

Reference Type	Well Name	Comments
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<b>Logging Program:</b>			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
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Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

K. All operations will be conducted in such a manner that full compliance is made with the applicable laws and regulations, the Application for Permit to Drill, and applicable Notice(s) to Lessees.

## **VII. Methods for Handling Waste**

A. Cuttings, Drilling Fluids, and Flowback Water - The drill cuttings, drill water and completion fluids will be placed in a lined reserve pit. The pit will be lined with 20m gage pit liner. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The free fluids will be removed after completion or may be trucked and reused in drilling operations or trucked to an approved disposal facility as indicated in Burlington Resources Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office in Aztec, NM.

B. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash container during drilling and completion operations. The accumulated trash will be removed, as needed, and will be disposed of at an authorized sanitary landfill. No trash will be buried or burned on location.

C. Sewage - self-contained, chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped, as needed, and the contents thereof disposed of in an approved sewage disposal facility. The toilets will be onsite during all operations.

D. Immediately after drilling and completing activities have ceased, all debris and other waste materials not contained in the trash containers will be cleaned up and removed from the well location.

## **VIII. Ancillary Facilities**

A. The proposed areas and access roads listed below could be utilized for staging of construction, drilling, and completion equipment to facilitate drilling operations. Additionally, staging could occur, within the permitted right-of-way, along the route shown on Sheet B and described on Sheet C. Staging could take place when the rig moves in or off location. Any proposed temporary use area will be returned to same or better condition than before operations began and will comply with the BLM FFO Bare Soil Reclamation Procedures.

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

**SAN JUAN 28-5 UNIT 72P**

**564' FSL & 2378' FWL**

**LATITUDE: 36.6111903° N**

**LONGITUDE: 107.3294651° W**

**NAD 83**

**SECTION 35, T-28-N, R-5-W, N.M.P.M.**

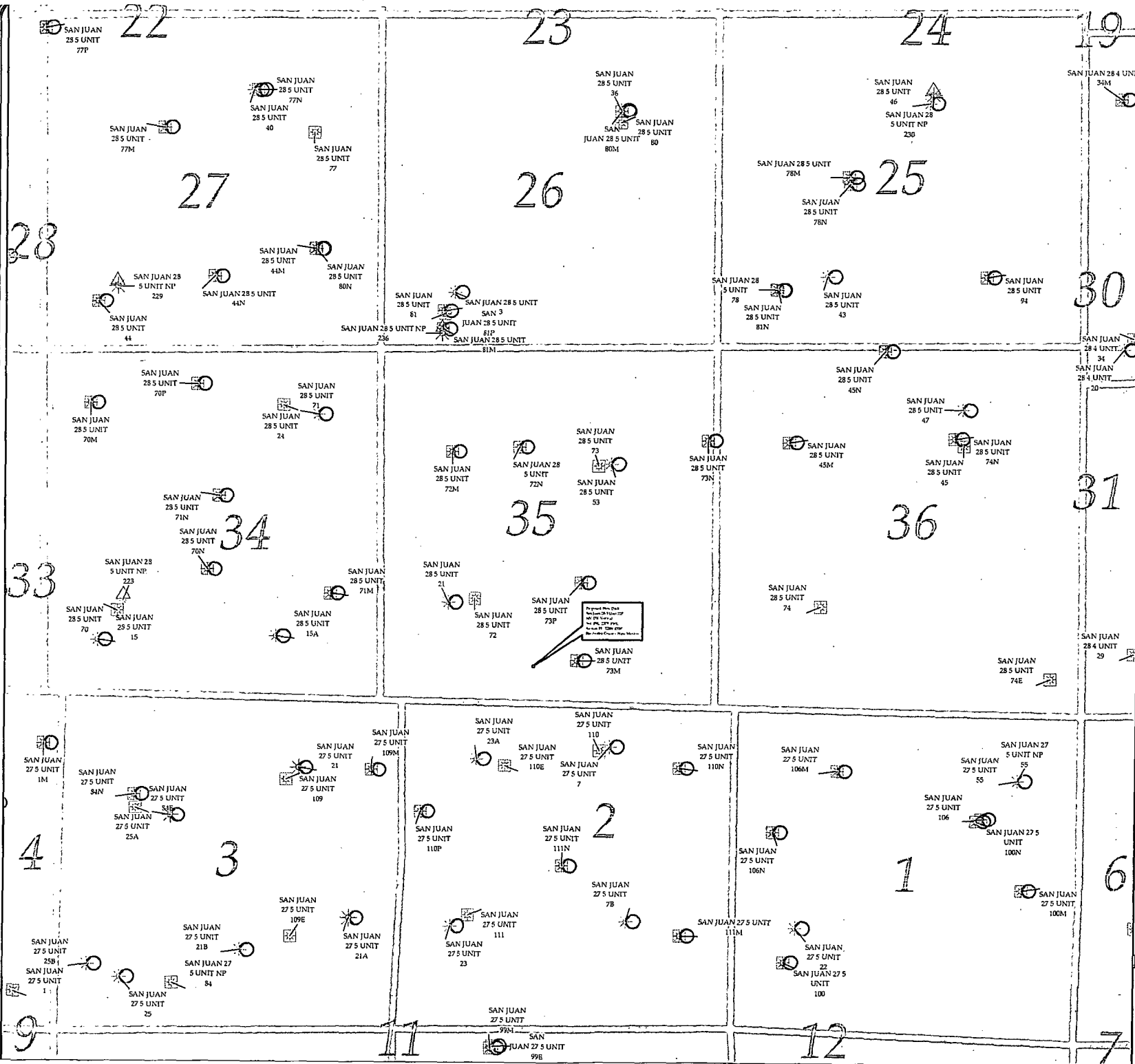
**RIO ARriba COUNTY, NEW MEXICO**

**FROM THE INTERSECTION OF U.S. HIGHWAY 64  
AND U.S. HIGHWAY 550 IN BLOOMFIELD, NEW MEXICO.**

**TRAVEL EASTERLY ON U.S. HIGHWAY 64 FOR 36.3 MILES.  
TURN RIGHT ONTO GENERAL AMERICAN ROAD (C.R. 366),  
TRAVEL SOUTHWESTERLY, THEN SOUTHEASTERLY 1.2 MILES.  
CONTINUE STRAIGHT THROUGH "4-WAY" INTERSECTION,  
TRAVEL SOUTH & EASTERLY 1.2 MILES ONTO "ARNOLD ROAD".  
BEAR LEFT AT "Y-INTERSECTION", TRAVEL SOUTHEASTERLY 0.5 MILE.  
CONTINUE STRAIGHT THROUGH "4-WAY" INTERSECTION  
AND TRAVEL SOUTHERLY 0.8 MILE.**

**BEAR LEFT AT "Y-INTERSECTION" AND TRAVEL SOUTHERLY 1.1 MILES.  
BEAR RIGHT AT "Y-INTERSECTION" AND TRAVEL SOUTHEAST 0.8 MILE.  
CONTINUE STRAIGHT THROUGH "4-WAY" INTERSECTION,  
TRAVEL SOUTHEASTERLY 1.0 MILE.**

**BEAR LEFT AT "Y-INTERSECTION", CONTINUE EASTERLY 0.4 MILE.  
TURN RIGHT AT TEE, CROSS CATTLEGUARD AND TRAVEL SOUTHERLY 0.5 MILE  
TO PROPOSED ACCESS ROAD SAN JUAN 28-5 UNIT 72P WELL LOCATION.**



**L48 SJBW P2000 Well Prod Form**

- OTHER WELLS

**FORMATION**

- NACIMIENTO
- FRUITLAND SAND
- FRUITLAND COAL
- FTC/PC
- ICTURED CLIFFS
- PC/MV/DK
- CHACRA
- MESAVERDE
- MVIDK
- MANCOS
- GALLUP/DAKOTA
- GREENHORN
- DAKOTA
- DAKOTA/MORRISON/SANASTEE
- PENNSYLVANIAN
- SHALLOW

1:25,000  
1 inch = 2,083 feet



**ConocoPhillips**  
Unpublished Work, ConocoPhillips.

Proposed New Drill  
San Juan 28-5 Unit 72P  
564' FSL, 2379' FWL  
Section 35, T28N-R5W  
Rio Arriba County, New Mexico

**SHEET D**