#### STATE OF NEW MEXICO



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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

June 19, 1997

Phillips Petroleum Company 5525 Highway 64 - NBU 3004 Farmington, New Mexico 87401 Attention: Patrick H. Noah

#### Administrative Order DD-174

Dear Mr. Noah:

Reference is made to Phillips Petroleum Company's ("Phillips") application dated June 2, 1997 for authorization to recomplete the existing San Juan "31-6" Unit Well No. 213 (API No. 30-039-24531) by side tracking off of the vertical portion of the wellbore and directionally drill to a pre-determined bottom-hole location in order to further develop the Basin-Fruitland Coal (Gas) Pool underlying its existing 317.49-acre standard gas spacing and proration unit comprising Lots 7 and 8, the S/2 NW/4, and the SW/4 (W/2 equivalent) of Section 5, Township 30 North, Range 6 West, NMPM, Rio Arriba County, New Mexico.

#### The Division Director Finds That:

- The application has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) The San Juan "31-6" Unit Well No. 213, located at a standard coal gas well location 1865 feet from the South line and 1595 feet from the West line (Unit K) of said Section 5, was originally drilled to and completed in the Basin-Fruitland Coal (Gas) Pool in 1989 and was assigned the above-described 317.49-acre unit;
- (3) By Division Order No. R-8768, as amended, the Division promulgated "Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool", which includes provisions for 320-acre gas spacing and proration units and wells to be located within either the NE/4 or SW/4 of the section and not closer than 790 feet from any outer boundary of the spacing unit nor closer than 130 feet from any quarter section line nor closer than 10 feet from any quarter-quarter section line or subdivision inner boundary. Further, since the Basin-Fruitland Coal (Gas) Pool

Administrative Order DD-174 Phillips Petroleum Company June 19, 1997 Page 2

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is a "non-prorated" gas pool, Division General Rule 104.D(3) applies, which limits gas spacing units to only one producing well therein;

- (4) It is our understanding that Phillips intents to kick-off from vertical at a depth of approximately 650 feet by milling a window in the 9-5/8 inch casing, drill directionally in a southerly direction in order to bottom back into the Basin Fruitland Coal (Gas) Pool at a standard sub-surface coal gas well location in the SE/4 SW/4 (Unit N) of said Section 5;
- (5) The applicable drilling window or "producing area" for said wellbore should include that area within the SE/4 SW/4 of said Section 5 that is no closer than 790 feet to the quarter section line to the east, nor closer than 790 feet from the South line of said Section 5, nor closer than 10 from either quarter-quarter section line to the north and west; and,
- (6) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

#### IT IS THEREFORE ORDERED THAT:

(1) The operator, Phillips Petroleum Company, is hereby authorized to recomplete its existing San Juan "31-6" Unit Well No. 213 (API No. 30-039-24531), located at a standard coal gas well location 1865 feet from the South line and 1595 feet from the West line (Unit K) of Section 5, Township 30 North, Range 6 West, NMPM, Rio Arriba County, New Mexico, by milling a window in the 9-5/8 inch casing and kicking-off from vertical at a depth of approximately 650 feet, drill directionally in a southerly direction in order to bottom back into the Basin Fruitland Coal (Gas) Pool at a standard sub-surface coal gas well location in the SE/4 SW/4 (Unit N) of said Section 5.

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

<u>PROVIDED FURTHER THAT</u> during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

Administrative Order DD-174 Phillips Petroleum Company June 19, 1997 Page 3

(2) The applicant shall notify the supervisor of the Aztec district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Aztec offices of the Division upon completion.

(3) The existing 317.49-acre gas spacing and proration unit comprising Lots 7 and 8, the S/2 NW/4, and the SW/4 (W/2 equivalent) of said Section 5 shall be dedicated to said well.

(4) The "producing area" for said wellbore shall include that area within the SE/4 SW/4 (Unit N) of said Section 5 that is no closer than 790 feet to the quarter section line to the east, nor closer than 790 feet from the South line of said Section 5, nor closer than 10 from either quarter-quarter section line to the north and west; and,

(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F and Order No. R-8768, as amended.

(6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY Director

SEAL

WJL/MES/kv

cc: Oil Conservation Division - Aztec New Mexico State Land Office - Santa Fe

DD. Phil

Pie: 6-3-97 Susp: 6-23-97 Released: 6-19-97 W/Waisers

June 19, 1997

Phillips Petroleum Company 5525 Highway 64 - NBU 3004 Farmington, New Mexico 87401

Attention: Patrick H. Noah

Administrative Order DD

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- (4) It is our understanding that Phillips intents to kick-off from vertical at a depth of

approximately 650 feet by milling a window in the 9-5/8 inch casing, drill directionally in a southerly direction in order to bottom back into the Basin Fruitland Coal (Gas) Pool at a standard sub-surface coal gas well location in the SE/4 SW/4 (Unit N) of said Section 5;

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(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

## WILLIAM J. LEMAY Director

SEAL

#### WJL/MES/kv

cc: Oil Conservation Division - Aztec New Mexico State Land Office - Santa Fe

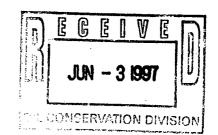


HILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401 5525 HWY. 64 NBU 3004

June 2, 1997

State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505



ATTN: MR. WILLIAM J. LEMAY

### RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE SAN JUAN 31-6 UNIT #213 SW/4 SECTION 5-T30N-R5W, RIO ARRIBA COUNTY, NEW MEXICO PHILLIPS' LCN 650363, G. F. 5397

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 31-6 Unit, requests administrative approval of a directional wellbore project for the San Juan 31-6 Unit #213 well.

The San Juan 31-6 #213 well was originally drilled and completed as a Fruitland Coal producing well in 1989. Mud was used during the drilling and coring of the well. The well never produced at the rate of offset wells. Wellbore and formation damage were suspected due to the coring operations and utilization of mud. In 1993 the well was sidetracked in an attempt to get away from the wellbore damage. Unfortunately the sidetrack did not get far enough away from the original wellbore and again the well never produced at comparable rates to offset producers.

It is proposed to abandon the existing wellbore to a depth of approximately 700', set a whipstock, cut a window in the 9-5/8" casing and directionally drill to a new bottom hole location approximately 1045' south southeast of the current surface location. The new proposed bottom hole location of 840' FSL and 1800' FWL of Section 5-T30N-R6W is within the existing approved drilling area.

Directionally drilling the well from the present location will minimize new surface disturbances that would result from building a new surface location, roads and water and gas gathering lines that would be required if the well were vertically drilled to the same bottom hole location.

Enclosed are the following:

1) A nine-section plat which shows the surface location of the #213 well, all offsetting Fruitland wells and the names of offsetting operators

2) A vertically oriented and horizontal plan view of the well

3) A type log section which identifies the top and bottom of the Fruitland; and

4) A list of the names and addresses of all offset operators.

Request for Administractive Approval of Directional Wellbore San Juan 31-6 Unit #213 June 2, 1997 Page 2

A copy of this application has been sent by certified mail to all offsetting operators. By copy of this letter all offsetting operators are advised that any objection to this application must be filed in writing with the NMOCD within twenty days of the date that notice is sent.

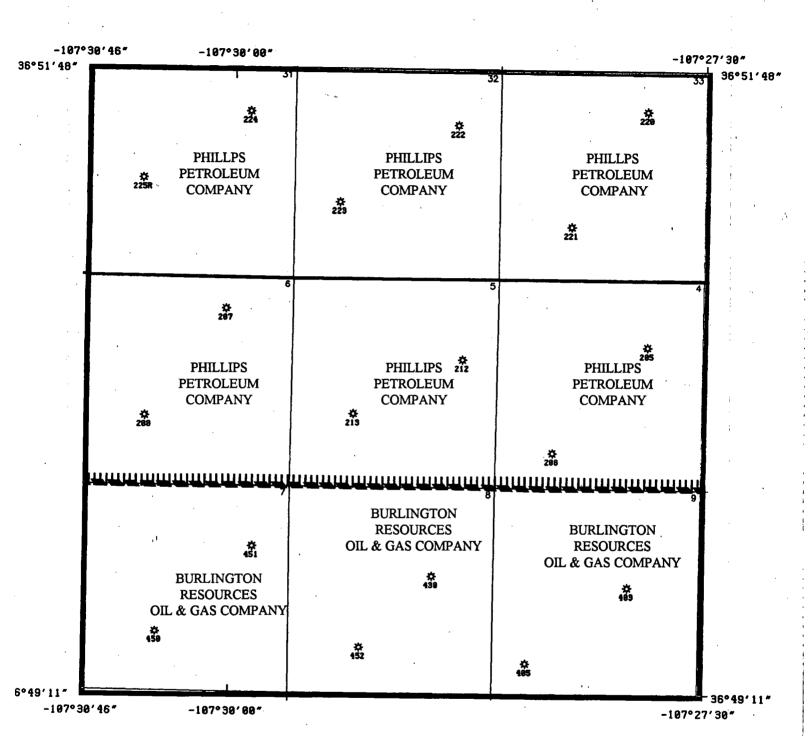
Very truly yours,

Patrick H. Moah

Patrick H. Noah Senior Land Specialist San Juan Basin (505) 599-3410

cc: J. L. Mathis (r)G. F. 5397 Ernie Busch - OCD, Aztec Burlington Resources Oil & Gas Company

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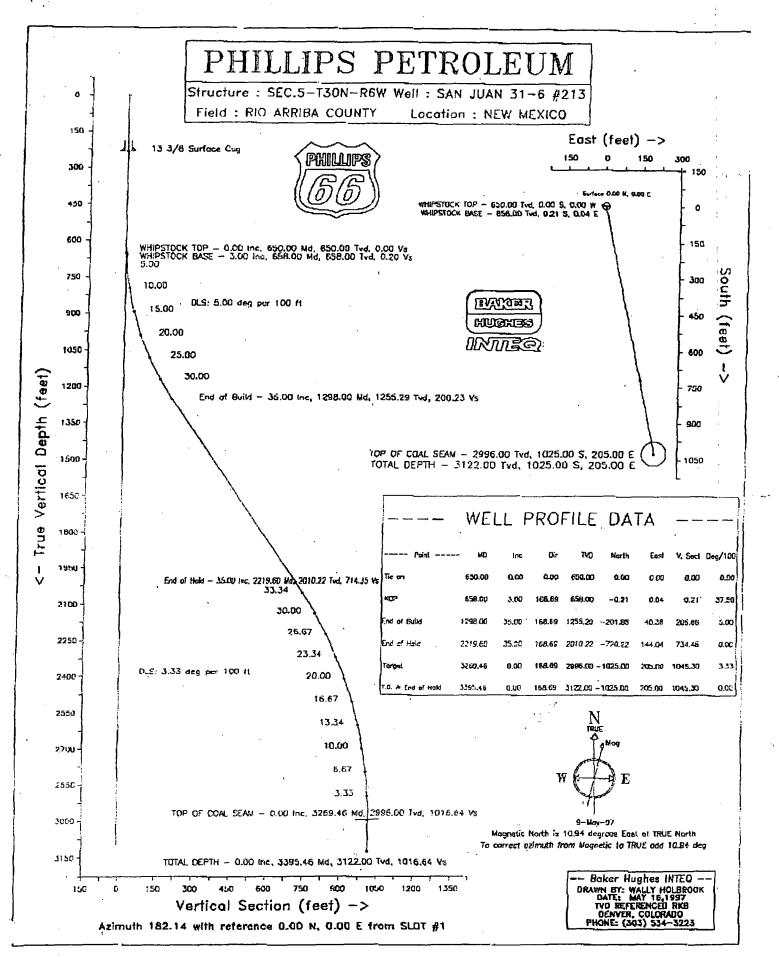


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BHI-DENVER



#### PHILLIPS PETROLEUM SEC.5-T30N-R6W

SAN JUAN 31-6 #213 SLOT #1 RIO ARRIBA COUNTY NEW MEXICO

#### PROPOSAL LISTING

by Baker Hughes INTEQ

Your ref : INITIAL PLAN REENTRY Our ref : prop2836 License : Date printed : 16-May-97

Date created : 8-May-97 Last revised : 16-May-97

Field is centred on n36 33 0.000,w107 40 0 Structure is centred on n36 52 0.000,w106 20 0

Slot location is n36 52 18.440,w106 19 40.371 Slot Grid coordinates are N 2136567.330, E 477219.847 Slot local coordinates are 1865.00 N 1595.00 E

Projection type: mercator - New Mexico Central (3002), Spheroid: Clarke - 1866

Reference North is True North

05/18/97

13:46

**3303** 534 0878

S	EC. 5-T301	N-REW, SAN	PETROLEUM N JUAN 31-6 NTY, NEW MEX				OPOSAL I Your re st revise	LISTING Page 1 of : INITIAL PLAN od : 16-May-97	REENTRY	797 13
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All data is in feet unless otherwise stated. Coordinates from SLOT #1 and TVD from wellhead. Bottom hole distance is 1045.30 on azimuth 168.69 degrees from wellhead. Vertical section is from wellhead on azimuth 168.69 degrees. Calculation uses the minimum curvature method. Presented by Baker Hughes INTEQ

**BHI-DENVER** 

A 004/005

### PHILLIPS PETROLEUM SEC.5-T30N-R6W, SAN JUAN 31-6 #213 RIO ARRIBA COUNTY, NEW MEXICO

## PROPOSAL LISTING Page 2 Your ref : INITIAL PLAN REENTRY Last revised : 16-May-97

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## Targets associated with this wellpath

Target name	Geographic Location	<b>T.V.D.</b>	Rectangular C	oordinates	Revised						
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**a** 005/005

16/97

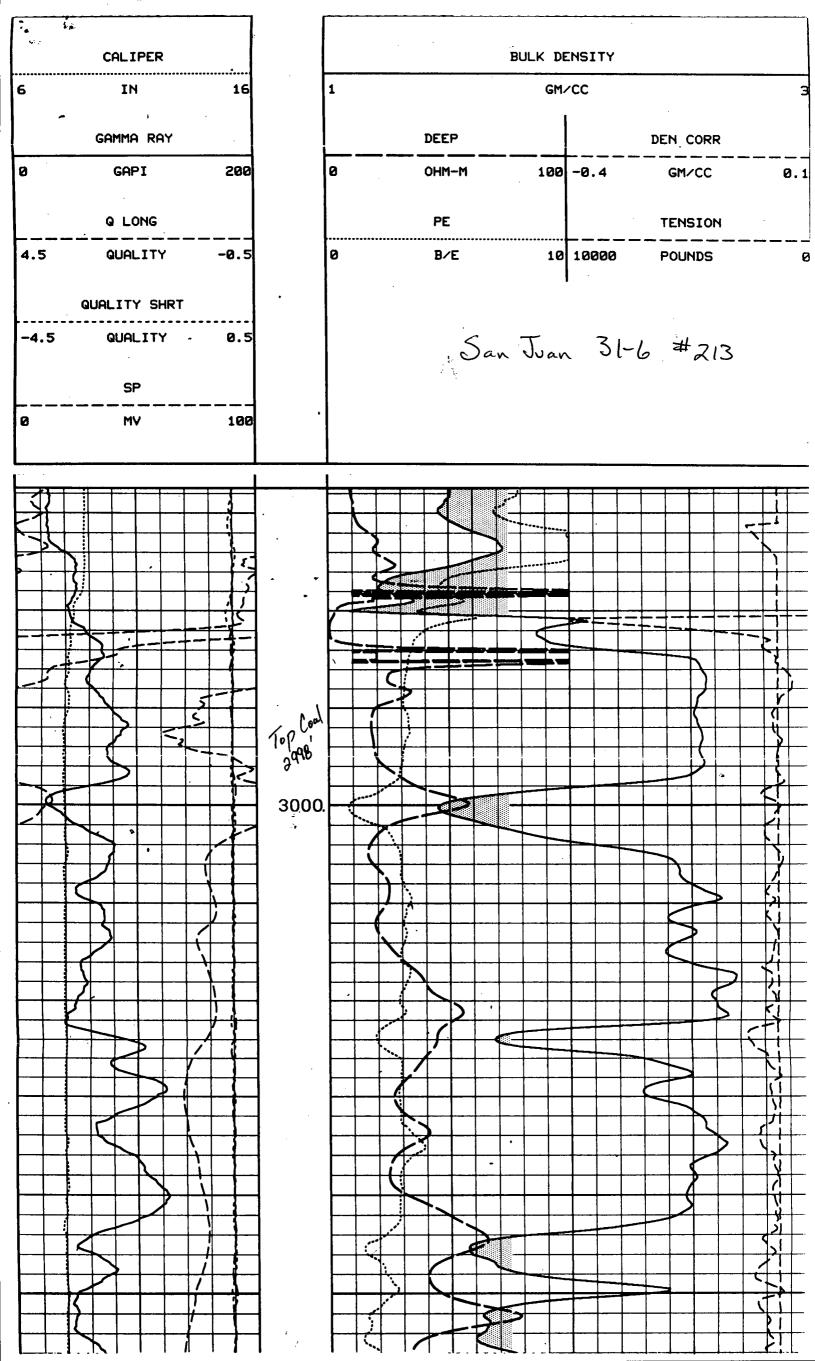
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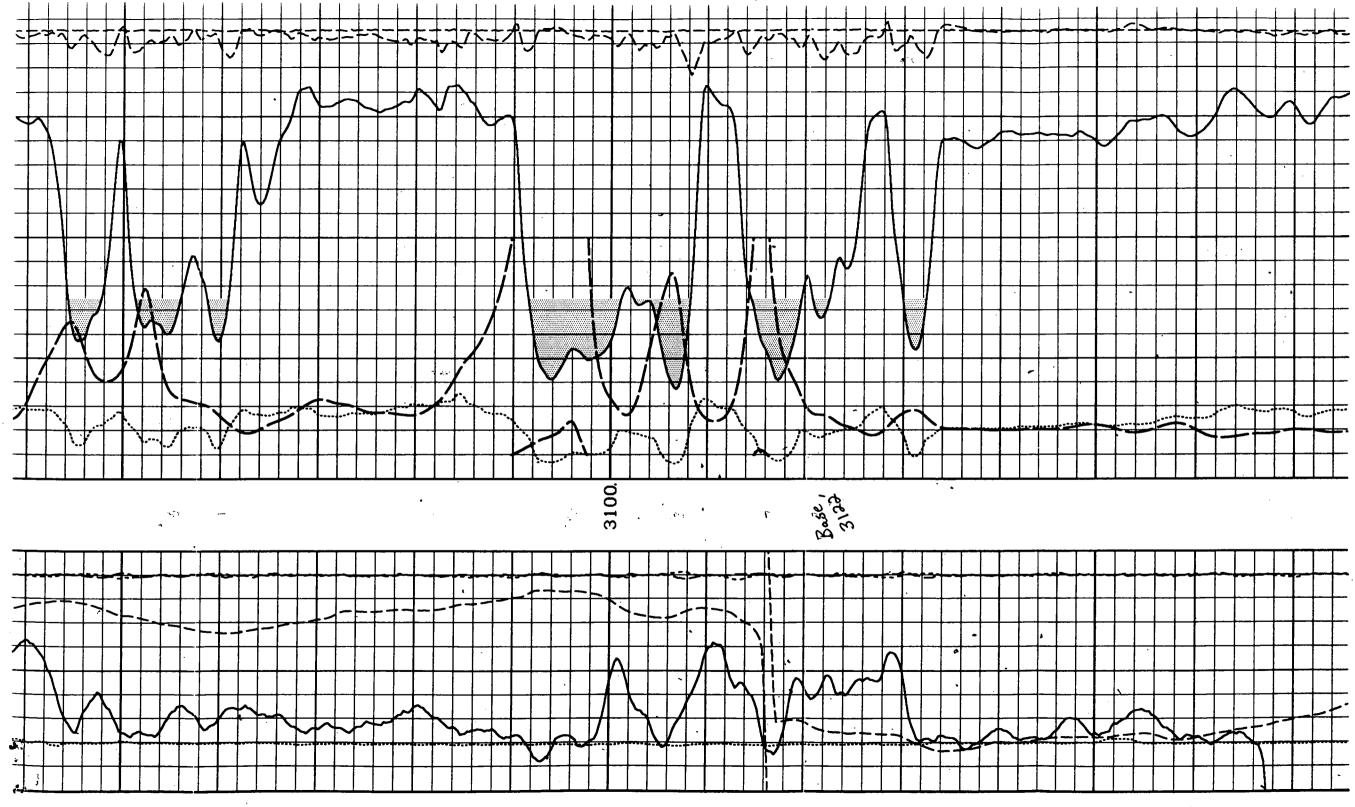
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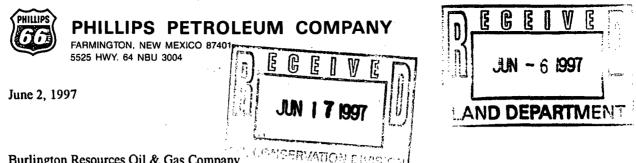
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## San Juan 31-6 Unit #213

## List of Offset Operators

1)

Burlington Resources Oil & Gas Company P. O. Box 4289 Farmington, NM 87499-4289



Burlington Resources Oil & Gas Company P. O. Box 4289 Farmington, NM 87499-4289

ATTN: PEGGY BRADFIELD REGULATORY/COMPLIANCE ADMINISTRATOR

RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE SAN JUAN 31-6 UNIT #213 SW/4 SECTION 5-T30N-R6W, RIO ARRIBA COUNTY, NEW MEXICO PHILLIPS' G. F. 5397, LCN 650363

Dear Ms. Bradfield:

Enclosed is a copy of Phillips' application for administrative approval of a directional wellbore project for the #213 well.

In order to expedite our work, Phillips asks you to consider waiving any objection to this proposal. If a waiver is acceptable, please return one executed copy of this letter to my attention and to the attention of the NMOCD in Santa Fe. Stamped and addressed envelopes are provided for your convenience.

Feel free to contact me if you have any questions.

Very truly yours,

H-Aval

Patrick H. Noah Senior Land Specialist San Juan Basin (505) 599-3410

cc: J. L. Mathis (r)G. F. 5397

The undersigned operator waives objection to the application of Phillips Petroleum Company for a directional well project for the San Juan 31-6 Unit #213 well.

**Owner Name:** Burlington Resources Oil & Gas Company By: and man Title: Date:

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## ONGARD INQUIRE LAND BY SECTION

06/18/97 15:57:50 OGOMES - EMGO PAGE NO: 1

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## ONGARD INQUIRE LAND BY SECTION

06/18/97 15:57:57 OGOMES -EMGO PAGE NO: 2

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	WD PF09 PRINT	PF10 SDIV PF11	PF12



## HILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401 5525 HWY. 64 NBU 3004

June 2, 1997

State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

ATTN: MR. WILLIAM J. LEMAY

#### RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE SAN JUAN 31-6 UNIT #213 SW/4 SECTION 5-T30N-R5W, RIO ARRIBA COUNTY, NEW MEXICO PHILLIPS' LCN 650363, G. F. 5397

Gentlemen: .....

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 31-6 Unit, requests administrative approval of a directional wellbore project for the San Juan 31-6 Unit #213 well.

The San Juan 31-6 #213 well was originally drilled and completed as a Fruitland Coal producing well in 1989. Mud was used during the drilling and coring of the well. The well never produced at the rate of offset wells. Wellbore and formation damage were suspected due to the coring operations and utilization of mud. In 1993 the well was sidetracked in an attempt to get away from the wellbore damage. Unfortunately the sidetrack did not get far enough away from the original wellbore and again the well never produced at comparable rates to offset producers.

It is proposed to abandon the existing wellbore to a depth of approximately 700', set a whipstock, cut a window in the 9-5/8" casing and directionally drill to a new bottom hole location approximately 1045' south southeast of the current surface location. The new proposed bottom hole location of 840' FSL and 1800' FWL of Section 5-T30N-R6W is within the existing approved drilling area.

Directionally drilling the well from the present location will minimize new surface disturbances that would result from building a new surface location, roads and water and gas gathering lines that would be required if the well were vertically drilled to the same bottom hole location.

Enclosed are the following:

1) A nine-section plat which shows the surface location of the #213 well, all offsetting Fruitland wells and the names of offsetting operators

2) A vertically oriented and horizontal plan view of the well

3) A type log section which identifies the top and bottom of the Fruitland; and

4) A list of the names and addresses of all offset operators.

Request for Administractive Approval of Directional Wellbore San Juan 31-6 Unit #213 June 2, 1997 Page 2

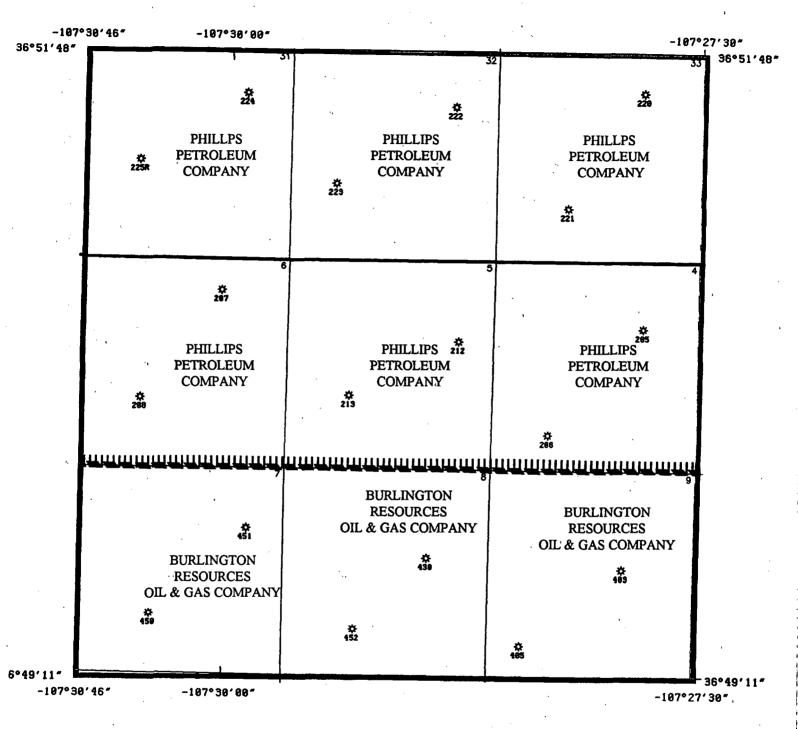
A copy of this application has been sent by certified mail to all offsetting operators. By copy of this letter all offsetting operators are advised that any objection to this application must be filed in writing with the NMOCD within twenty days of the date that notice is sent.

Very truly yours,

Patrick H. Moah

Patrick H. Noah Senior Land Specialist San Juan Basin (505) 599-3410

cc: J. L. Mathis (r)G. F. 5397 Ernie Busch - OCD, Aztec Burlington Resources Oil & Gas Company



SAN JUAN 31-6 UNIT NO. 213 WELL LOCATED 1595' FWL AND 1865' FSL SECTION 5-T30N-R6W

AREA SAN JUAN 31-6 UNIT NO. 213 ST NINE SECTION PLAT OF OFFSETS COUNTY BID ARRENA STATE NEW MEDICO JOB 57410PHN USR00079	66	Phillips Petroleum Comp	any 66
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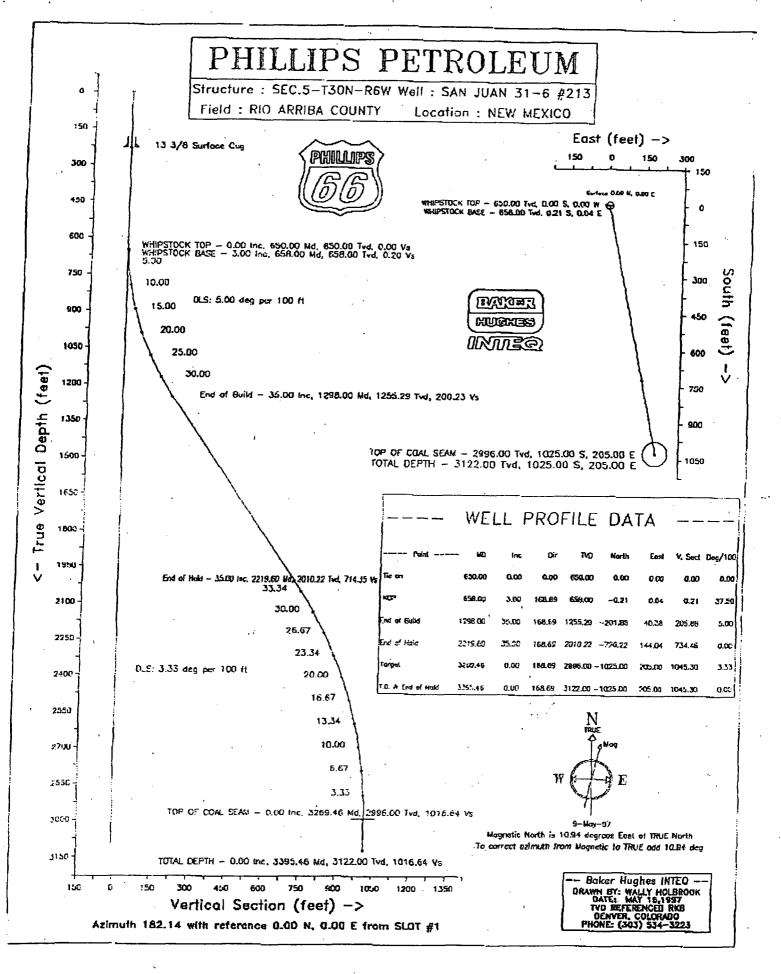
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BHI-DENVER





SAN JUAN 31-6 #213 SLOT #1 RIO ARRIBA COUNTY NEW MEXICO

### PROPOSAL LISTING

by Baker Hughes INTEQ

Your ref : INITIAL PLAN REENTRY Our ref : prop2836 License :

Date printed : 16-May-97 Date created : 8-May-97 Last revised : 16-May-97

Field is centred on n36 33 0.000,w107 40 0 Structure is centred on n36 52 0.000,w106 20 0

Slot location is n36 52 18.440,w106 19 40.371 Slot Grid coordinates are N 2136567.330, E 477219.847 Slot local coordinates are 1865.00 N 1595.00 E

Projection type: mercator - New Mexico Central (3002), Spheroid: Clarke - 1866

Reference North is True North

05/16/97

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All data is in feet unless otherwise stated. Coordinates from SLOT #1 and TVD from wellhead. Bottom hole distance is 1045.30 on azimuth 168.69 degrees from wellhead. Vertical section is from wellhead on azimuth 168.69 degrees. Calculation uses the minimum curvature method. Presented by Baker Hughes INTEQ

A 004/005

13:46

**13**03 534 0878

**BHI-DENVER** 

05/16/97

# PHILLIPS PETROLEUM SEC.5-T30N-R6W, SAN JUAN 31-6 #213 RIO ARRIBA COUNTY, NEW MEXICO

PROPOSAL LISTING Page 2 Your ref : INITIAL PLAN REENTRY Last revised : 16-May-97 13:46

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## Targets associated with this wellpath

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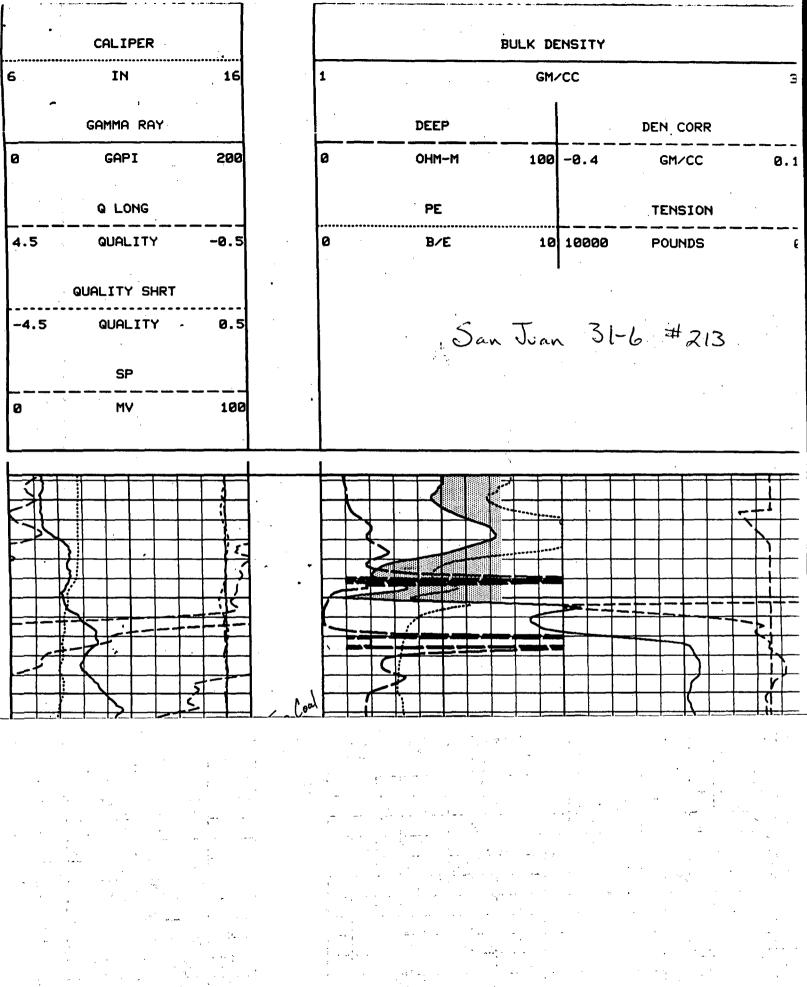
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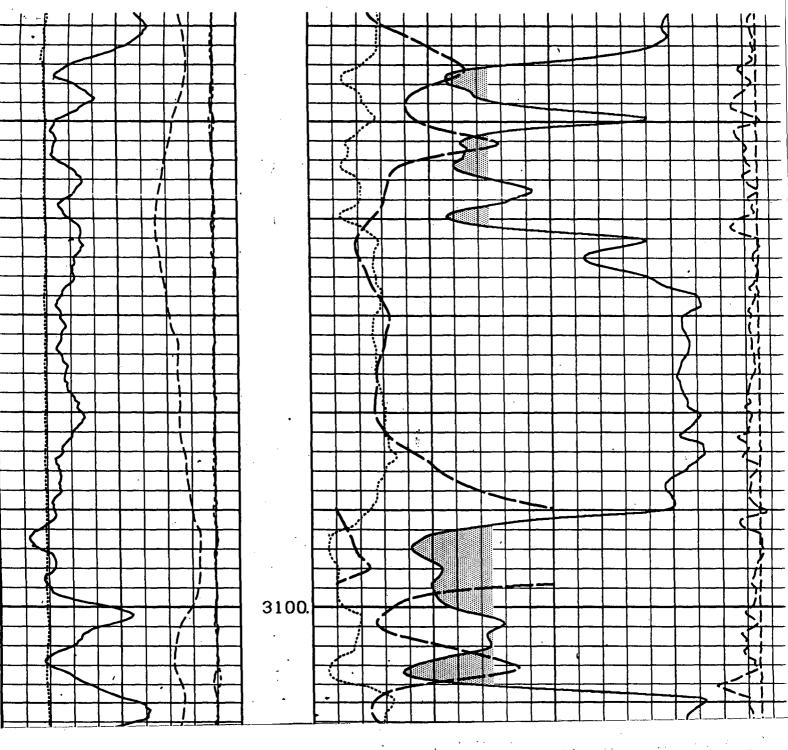
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Submit to Appropriate District-Office State Longe - 4 conject		ate of New Mexico and Natural Resources Dep				
NAME LANKS - 4 CODIEL Fon Lanne - 3 copies DISTRICT I P.O. Box 1960, Hobbs, NM( \$2240		ERVATION DIVIS	SION JUN 2	JUN 2 9 1989		
DISTRICT II P.O. Danner DD, Artenia, NM 88210		New Mexico 87504-208	PRODUCTION	AND DRILLING		
DISTRICT III 1000 Rio Brazos R4., Aziec, NM \$7410		ND ACREAGE DEDICA from the outer boundaries of t		WAI NO.		
Northwest Pipeline Co		San Juan 31-(		213		
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•	ith line and	1595 Pool	feet from the West	tine Deticated Acrosss:		
6302 Fruit L. Outline the acrosse dedicated to		Basin Frui		319.49 Acres		
2. If more than one lease is dedicate 3. If more than one lease of different unitization, force-pooling, etc.? [2] Yes [2] N If answer is "no" list the owners and this form if mecassary. No allowable will be assigned to the or until a non-standard unit, elimina	a overschip is dedicated to the o If answer is "yes" type I tract descriptions which have a s well until all interests have bee	well, have the interest of all owner of convolidationU cruelly been consolidated. (Use : n convolidated (by communicipat	na bea considered by com nitization sware side of	musiciration.		
	14 H = 14 12			OR CERTIFICATION certify that the informati	ian 1	
				a is true and complete to	<b>14</b>	
				Vzurzh		
			Positions Engine Company			
			Northw Dete	est Pipeline Con	<u>rp</u> .	
	Section 5			OR CERTIFICATION	₹	
			l hereby certify on shir plas w actual surveys supervises, on	that the well location sha as plotted from field notes made by me or under I that the same is true (		
	045'		correct to the bally. Date Surveyed	stillar marter		
	locatio	tomhole	Signaar & Se Professional & Hitting	MELOS OF		
840	المراجع	•	Edgar L.	Sign Contraction	<b>≻</b>   .  ;	

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HALLIBURT LOGGING SERVICES	ON , INC.	HIGH RESOLUTION SPECTRAL DENSITY LOG					
COMPANY NO				PORATIO	) N		
FIELD BASIN FRUITLAND COAL							
API NO API NO LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION					STATE NM OTHER SERVICES SDL-DSN FN MICRO		
S 및 C S SEC 5 PERMANENT DATUM GL LOG MEASURED FROM KB	ELI	<u>30n r</u> EV. 63 . Above p		C E	IGL <u>Ast</u> Lev.:	K.B. 6318 D.F. 6317	
DRILLING MEASURED FROM K	<u>B</u>					<u>G.L. 6302</u>	
DATE 11/29 RUN NO. ONE	<u>, 03</u>	<u></u>			ł	•	
DEPTH-DRILLER 3190							
DEPTH-LOGGER 3192 BTM.LOGINTER. 3190	ł					·	
BTM. LOG INTER. 3190 TOP LOG INTER. 2982							
CASING-DRILLER 9 5/8	2982	e		e		t	
CASING-LOGGER 2982							
BIT SIZE 7.875				<b>[</b> ]]			
TYPE FLUID IN HOLE FRESH	GEL A						

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## San Juan 31-6 Unit #213

## List of Offset Operators

1)

Burlington Resources Oil & Gas Company P. O. Box 4289 Farmington, NM 87499-4289