

*Recommend Denial*



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

January 19, 2000

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

Attn: Mr. Michael E. Stogner  
Chief Hearing Office/Engineer

RE: APPLICATION FOR ADMINISTRATIVE APPROVAL OF NON-STANDARD LOCATION  
SAN JUAN 30-5 UNIT #220R WELL  
W/2 SECTION 8-30N-5W  
RIO ARRIBA COUNTY, NEW MEXICO  
PHILLIPS CONTRACT C40454



Dear Mr. Stogner:

Phillips Petroleum Company (Phillips), as Operator of the captioned well, respectfully requests administrative approval of a Non-Standard location (NSL) for this well.

Phillips proposes to drill the San Juan 30-5 Unit #220R at a location of 1147' FSL & 2570' FWL of Section 8-30N-5W, Rio Arriba County, New Mexico. This well will be a Fruitland Coal well in the Basin Fruitland Coal Pool with the W/2 of Section 10 designated as the drillblock.

This well is located on fee lands owned by the Lopez Family Trust. Mr. Lopez met our representative at the site and made a specific request to place the well at this location so that as little as possible interruption and disturbance is caused to their ranching operations. As you can see from the accompanying topographical plat, this location is in the most northeastern corner of the Lopez property. Additionally, this is a replacement well for the #220 (previously drilled at a location of 1515' FSL & 1495' FWL of Section 10 and which is being abandoned due to poor results). In order to locate the #220R well in the Southern quarter of the drillblock (due to poor results in the #220 well and other wells located North of the #220 location), remain far enough away from the #220 to avoid formation damage and accommodate the surface owner it is necessary to utilize this location.

For your benefit, we are providing the following:

1. APD packet (inclusive of Form C-102)
2. A topographical plat of the area
3. A nine section plat exhibiting offset owners
4. A production rate map for the area (depicting production surrounding drillblock)

This drillblock is located within the confines of the San Juan 30-5 Unit and is completely surrounded by drillblock operated by Phillips. Per the District OCD office in Aztec, it is our understanding that the 20 day notice period can be waived due to Phillips operating all offsetting drillblocks. We respectfully ask that if possible, the waiting period be waived and this request expedited.

We thank you for your considerate attention to this request and should you need additional information or clarification, please do not hesitate to contact the undersigned.

Very truly yours,

S. Scott Prather, CPL  
Senior Landman  
San Juan Area  
(505) 599-3410

cc: J. L. Mathis (r)C40454  
Mr. Frank Chavez – OCD, Aztec

✓

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator name and Address Phillips Petroleum Company 5525 Highway 64, NBU 3004 Farmington, NM 87401		<sup>2</sup> OGRID Number 017654
		<sup>3</sup> API Number 30-0 39-26200
<sup>4</sup> Property Code 009258	<sup>5</sup> Property Name San Juan 30-5 Unit	<sup>6</sup> Well No. 220R

<sup>7</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	8	30N	5W		1147'	South	2570'	West	Rio Arriba

<sup>8</sup> Proposed 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
N									
<sup>9</sup> Proposed Pool 1 Basin Fruitland Coal					<sup>10</sup> Proposed Pool 2 71629				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 6273'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth +/- 3023'	<sup>18</sup> Formation Fruitland Coal	<sup>19</sup> Contractor Key Energy	<sup>20</sup> Spud Date 1st Qtr 2000

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36#, K/J-55	200' *	93.3sx Type 3	surface
8-3/4"	7"	20#, J/K-55	2908'	L-325 Type 3	
				T-50 sx Type 3	surface
6-1/4"	5-1/2"	15.5# J-55	2888' - TD	**	

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

PLEASE CANCEL THE APD DATED 7/1/99 FOR THIS WELL. THE SITE HAD TO BE MOVED.

\* The surface casing will be set at a minimum of 200', but could be set deeper if required to maintain hole stability. \*\* The 6-1/4" interval from the 7" casing shoe to the base of the coal may be underreamed to 9-1/2". If the coal is clefted a 5-1/2" 15.5# liner will be run in the open hole without being cemented. If the coal is not clefted, 4-1/2" 11.6# liner will be run & cemented. The well will then be completed by fracture stimulation. If this well proves good, the 30-5 Unit #220 will be converted to a pressure observation well. Also, see attached for cathodic protection details.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*Patsy Clugston*

Printed name:

Patsy Clugston

Title:

Sr. Regulatory/Proration Clerk

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

District I  
P.O. Box 1980, Hobbs, NM 88241-1980  
District II  
111 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 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

1 API Number 30-039-26200		1 Pool Code 71629		1 Pool Name Basin Fruitland Coal	
4 Property Code 009258		4 Property Name SAN JUAN 30-5 UNIT			
1 OGRID No. 017654		1 Operator Name PHILLIPS PETROLEUM COMPANY			
				* Well Number 220R	
				* Elevation 6273'	

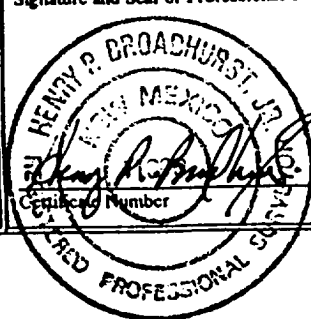
10 Surface Location



UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	30N	5W		1147'	SOUTH	2570'	WEST	RIO ARriba

11 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
N									
12 Dedicated Acres 320 W/2	13 Joint or Infill I	14 Consolidation Code U	15 Order No.						

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

<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5280.00'</div> <div style="margin: 0 10px;"> 16 N89°58'E 5279.34'  SF-078997 240 acres  Section 8  2570' 1147' East 5280.00' </div> <div style="writing-mode: vertical-rl;">5280.00'</div> </div>	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  <i>Patsy Clugston</i> Signature Patsy Clugston Printed Name Sr. Regulatory/Proration Clerk Title 12-22-99 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.  11/23/99 Date of Survey Signature and Seal of Professional Surveyor:
	

 <b>PHILLIPS PETROLEUM CO.</b> <b>FARMINGTON, NEW MEXICO</b>		
<b>SURVEYED:</b> 11/23/88	<b>REV. DATE:</b>	<b>APP. BY</b>
<b>DRAWN BY:</b> K.REA	<b>DATE DRAWN:</b> 11/26/89	<b>FILE NAME:</b> UFO14
<div style="text-align: center;">  <b>UNITED</b>  <b>FIELD SERVICES INC.</b> </div> <div style="text-align: right;"> <b>P.O. BOX 3651</b>  <b>FARMINGTON, NM 87499</b>  <b>OFFICE: (505)334-0408</b> </div>		

6561

# PHILLIPS PETROLEUM COMPANY

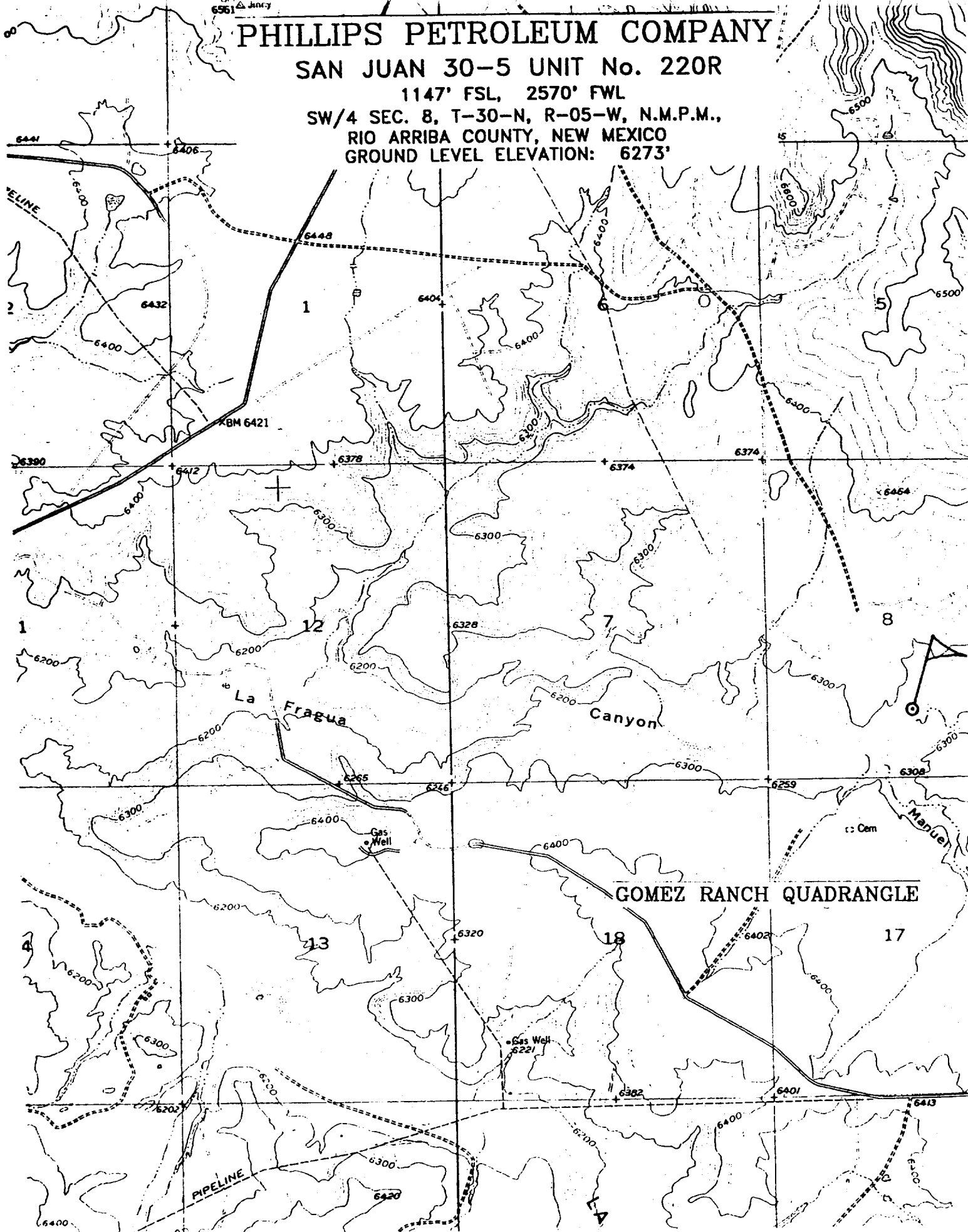
SAN JUAN 30-5 UNIT No. 220R

1147' FSL, 2570' FWL

SW/4 SEC. 8, T-30-N, R-05-W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

GROUND LEVEL ELEVATION: 6273'



## San Juan 30-5 #220R

### SURFACE CASING :

Drill Bit Diameter	12.25 "	
Casing Outside Diameter	9.625 "	8.913
Casing Weight	36 ppf	
Casing Grade	K-55	
Shoe Depth	200 '	
Cement Yield	1.41 cuft/sk	
Excess Cement	100 %	

Hole / Casing Annulus Capacity	0.0558 bbl/ft	0.3132
--------------------------------	---------------	--------

Cement Required	93.3 sx
-----------------	---------

SHOE	200 '	9.625 "	36 ppf,	K-55
------	-------	---------	---------	------

### INTERMEDIATE CASING :

Drill Bit Diameter	8.75 "	
Casing Outside Diameter	7.7 "	6.455
Casing Weight	20 ppf	
Casing Grade	K-55	
Shoe Depth	2908 '	
Lead Cement Yield	2.41 cuft/sk	
Lead Cement Excess	100 %	
Tail Cement Length	211.6 '	30
Tail Cement Yield	1.41 cuft/sk	
Tail Cement Excess	100 %	

Casing Capacity	0.0405 bbl/ft	0.2272
Casing / Casing Annulus Capacity	0.0296 bbl/ft	0.1660
Hole / Casing Annulus Capacity	0.0268 bbl/ft	0.1503

Lead Cement Required	325.2 sx
Tail Cement Required	50.0 sx

LINER TOP	2888 '
-----------	--------

SHOE	2908 '	7 "	20 ppf,	K-55
------	--------	-----	---------	------

LINER BOTTOM	3023 '
--------------	--------

**San Juan 30-5 Unit #220R  
Fee; Unit N, 1147' FSL & 2570' FWL;  
Section 8, T30N, R5W; Rio Arriba County, NM**

**Cathodic Protection**

Phillips proposes to drill a cathodic protection deep well groundbed for the subject well. Will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on existing well pad and "Tierra Dynamic Company" of Farmington will be doing the drilling for Phillips.

## **GEOLOGIC PROGNOSIS**

**Company:** *Phillips Petroleum Company*  
**Project:** *2000 Fruitland Fm. Coal Program*  
**Area:** *San Juan 30-5 Unit*

**Operator:** *Phillips Petroleum Company*  
**Well Name:** *San Juan 30-5 Unit No. 220R (Kfc)*  
**Location:** *SESW 08-30N-05W*  
**Footage:** *1147' FSL & 2570' FWL*  
**County/State:** *Rio Arriba/New Mexico*

**Surveyed GL:** **6273**      **Est. (15') KB:** **6288**

<b><u>Formation</u></b>	<b><u>Thickness</u></b>	<b><u>Depth</u></b>	<b><u>Struct. Elev.</u></b>
<i>San Jose Fm.</i>	1233	Surface	6273
<i>Nacimiento Fm.</i>	1015	1233	5055
<i>Ojo Alamo Ss.</i>	205	2248	4040
<i>Kirtland Sh.</i>	410	2453	3835
<i>Fruitland Fm.</i>	45	2863	3425
<b>Int. Csg. Depth</b>	15	<b>2908</b>	3380
<i>Top Coal Interval</i>	100	2923	3365
<i>Base Coal Interval</i>	0	3023	<b>3265</b>
<b>Total Depth</b>	5	<b>3023</b>	3265
<i>Pictured Cliffs Ss.</i>	NA	3028	3260

**Mud Log:** Mud log (5"=100') from intermediate casing to TD  
(Mud Logger to pick intermediate casing point and TD)

**Mechanical Logs:** None

**Correlation Logs:** San Juan 30-5 Unit No. 220 (NESW 08-30N-05W)  
San Juan 30-5 Unit No. 26-8 (NWSW 08-30N-05W)

### **Estimated intervals of water, oil, and gas:**

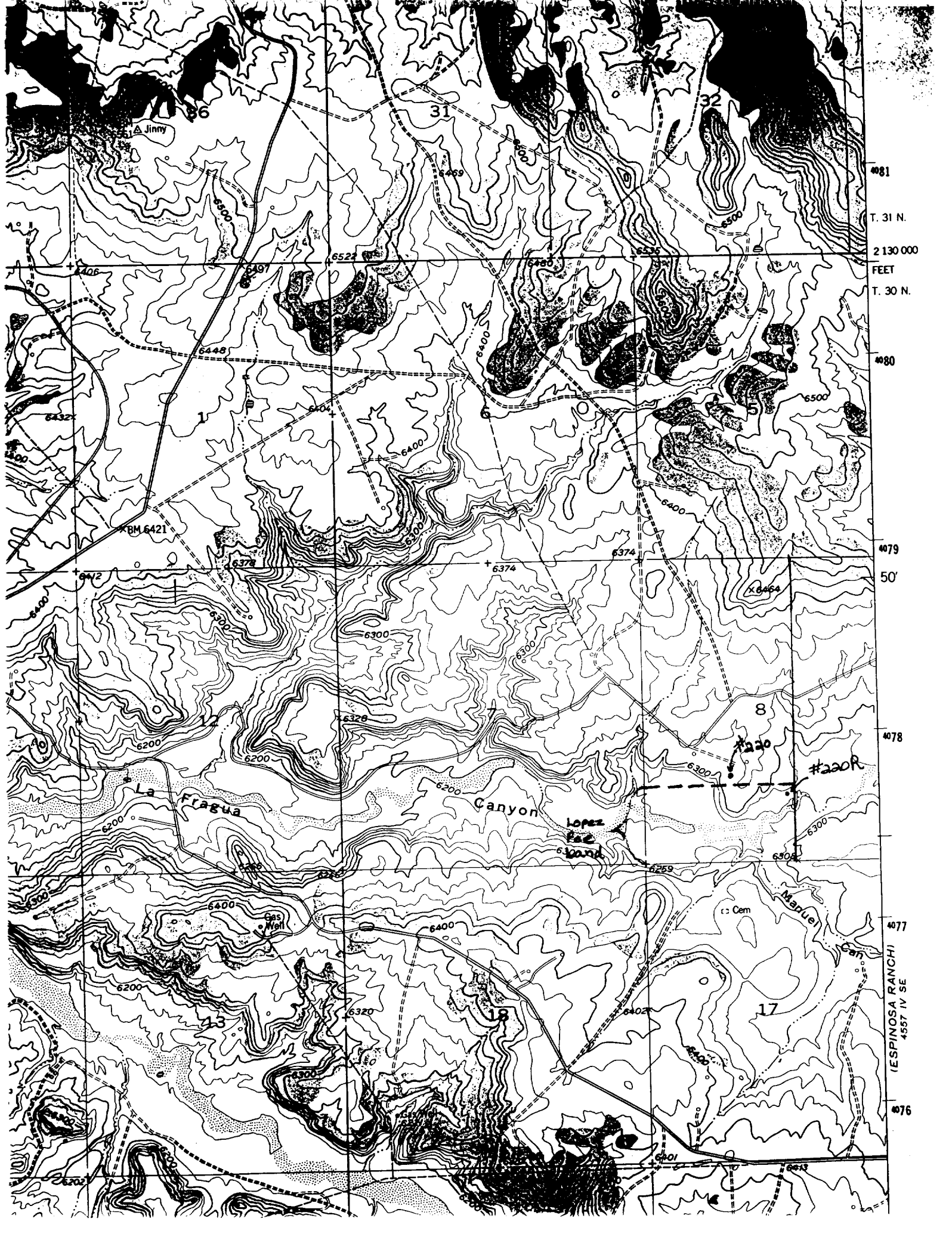
<b>Water:</b>	Ojo Alamo	2248-2453
<b>Oil:</b>	None	NA
<b>Gas:</b>	Fruitland Coal	2923-3023
<b>Gas &amp; Water:</b>	Fruitland Coal	2923-3023

John E. Bircher

December 14, 1999

---





4081  
T. 31 N.  
2 130 000  
FEET  
T. 30 N.

4080

4079

50'

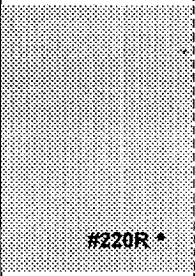
4078

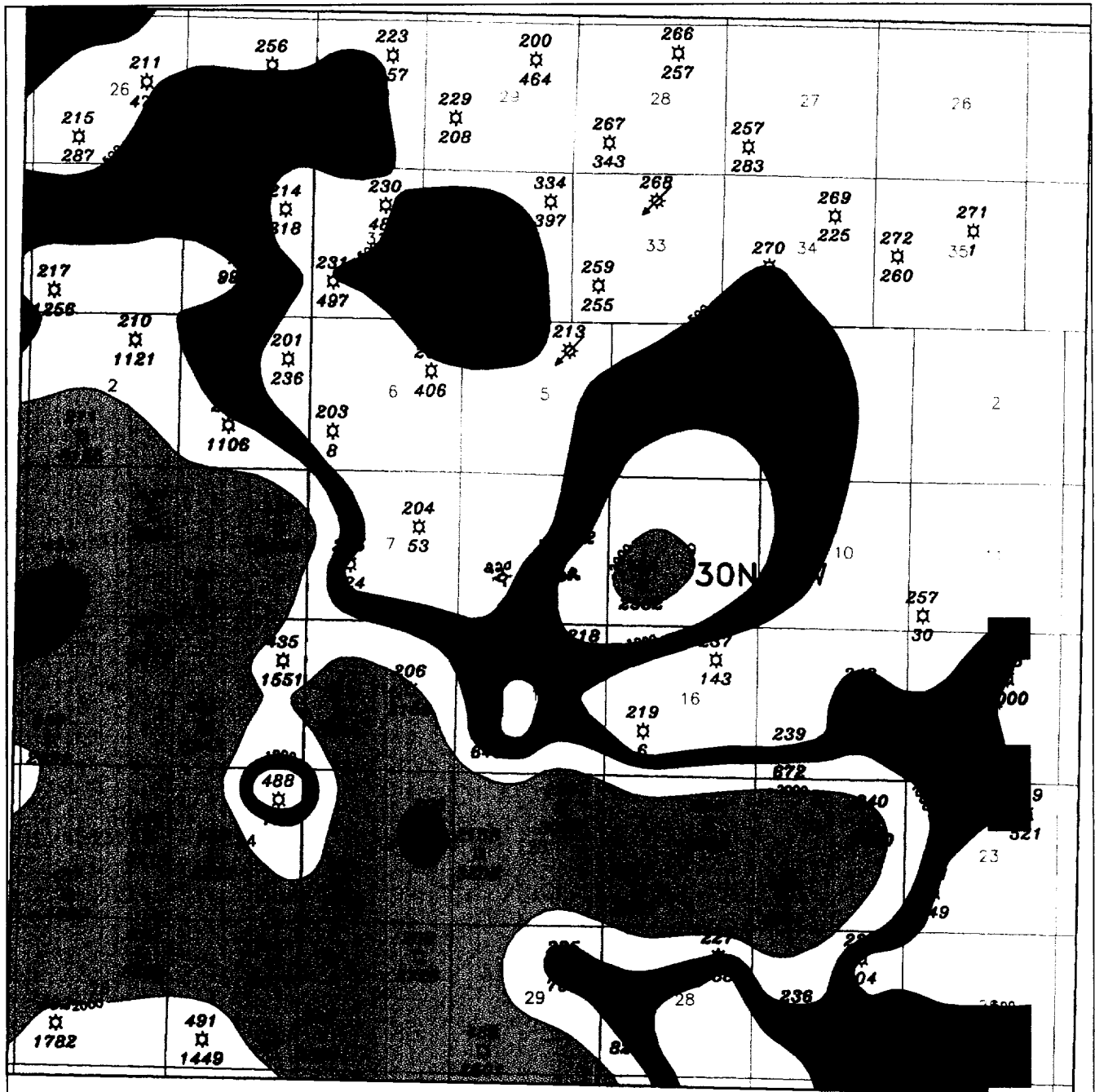
4077

4076

(ESPINOSA RANCH)  
4557 IV SE

**OFFSET OWNERSHIP**  
**W/2 SECTION 8-30N-5W**  
**RIO ARriba COUNTY, NEW MEXICO**  
**SAN JUAN 30-5 UNIT #220R**

	6		5		4
	Phillips Petroleum Company	Phillips Petroleum Company	Phillips Petroleum Company		
	7	 #220R *	8		9
	Phillips Petroleum Company		Phillips Petroleum Company		
	18		17		16
	Phillips Petroleum Company	Phillips Petroleum Company	Phillips Petroleum Company		



Scott305.ZCF

