



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

July 28, 1997

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

***Administrative Order DD-194***

Dear Mr. Noah:

Under the provisions of Rules 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 11274 on June 13, 1995, Phillips Petroleum Company ("Phillips") made application to the New Mexico Oil Conservation Division on July 8, 1997 for authorization to directional drill its proposed San Juan "32-7" Unit Well No. 240 (API No. 30-045-29469), San Juan County, New Mexico.

**The Division Director Finds That:**

- (1) The operator proposes to locate said well at an unorthodox surface coal gas well location 1326 feet from the North line and 231 feet from the West line (Lot 2/Unit E) of Section 20, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, drill vertically to an approximate depth of 600 feet, kick-off in a west-southwesterly direction, and directionally drill to an estimated true vertical depth of 3,100 feet within the Basin-Fruitland Coal (Gas) Pool at a standard subsurface coal gas well location within the SE/4 NE/4 (Unit H) of Section 19, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico;
- (2) 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 is a "non-prorated" gas pool, Division General Rule 104.D(3) applies, which limits

gas spacing units to only one producing well therein;

- (3) Lots 9, 10, and 15, the N/2 NE/4, the SE/4 NE/4, and the E/2 SE/4 (E/2 equivalent) of said Section 19, being a standard 326.53-acre gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool, is to be dedicated to said well;
- (4) It is necessary for the operator to directionally drill the San Juan "32-7" Unit Well No. 240 in the above-described manner since a location within the E/2 equivalent of said Section 19 is not feasible due to extreme topographical conditions caused by the Los Pinos River arm of Navajo Lake;
- (5) The applicable drilling window or "producing area" for said wellbore should include that area within the SE/4 NE/4 (Unit H) of said Section 19 that is no closer than 790 feet to the quarter section line to the east, nor closer than 10 from any quarter-quarter section lines to the north, west, or south; 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 applicant, Phillips Petroleum Company ("Phillips") is hereby authorized to drill its San Juan "32-7" Unit Well No. 240 (API No. 30-045-29469), at an unorthodox surface coal gas well location 1326 feet from the North line and 231 feet from the West line (Lot 2/Unit E) of Section 20, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, and directionally drill in a west-southwesterly direction in such a manner as to bottom said well within the Basin-Fruitland Coal (Gas) Pool at a standard subsurface coal gas well location within the SE/4 NE/4 (Unit H) of Section 19, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, that is no closer than 790 feet to the quarter section line to the east, nor closer than 10 to any internal quarter-quarter section lines to the north, west, or south.

**PROVIDED HOWEVER THAT** 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.

**PROVIDED FURTHER THAT** 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.

(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) Lots 9, 10, and 15, the N/2 NE/4, the SE/4 NE/4, and the E/2 SE/4 (E/2 equivalent) of said Section 19, being a standard 326.53-acre gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool, is to be dedicated to said well;

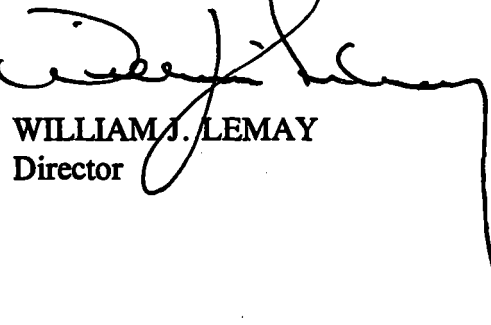
(4) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.

(5) 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.

(6) 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

S E A L

WJL/MES/kv

cc: Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington  
U. S. Bureau of Reclamation - Durango, Colorado



**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

**OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131**

November 19, 1997

**Phillips Petroleum Company  
5525 Highway 64 - NBU 3004  
Farmington, New Mexico 87401  
Attention: S. Scott Prather**

***AMENDED Administrative Order DD-194(NSBHL)***

Dear Mr. Prather:

By Division Administrative Order DD-194, dated July 28, 1997, authorization was given Phillips Petroleum Company ("Phillips") to directionally drill its San Juan "32-7" Unit Well No. 240 (API No. 30-045-29469), at a surface location 1326 feet from the North line and 231 feet from the West line (Lot 2/Unit E) of Section 20, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, and directionally drill in a west-southwesterly direction in such a manner as to bottom said well within the Basin-Fruitland Coal (Gas) Pool at a standard subsurface coal gas well location within the SE/4 NE/4 (Unit H) of Section 19, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, that is no closer than 790 feet to the quarter section line to the east, nor closer than 10 to any internal quarter-quarter section lines to the north, west, or south.

Reference is now made to your letter with attachments dated August 7, 1997, whereby an amendment should be issued in this order to accurately reflect the actual bottom-hole location of this wellbore which is unorthodox pursuant to Rule 7 of the "*Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool*," as promulgated by Division Order No. R-8768, as amended.

The Division Director Finds That:

- (1) This application was originally approved under the provisions of Rule 111.D 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 11274 on June 13, 1995 (being applicable at that time);
- (2) This amendment has been duly filed under the provisions of Division General Rule 104.F, the current Rule 111.C(2), and Rule 8 of said special pool rules; and,
- (3) Phillips owns all affected offsetting 320-acre tracts to the captioned well, no notification was therefore required.

**IT IS THEREFORE ORDERED THAT:**

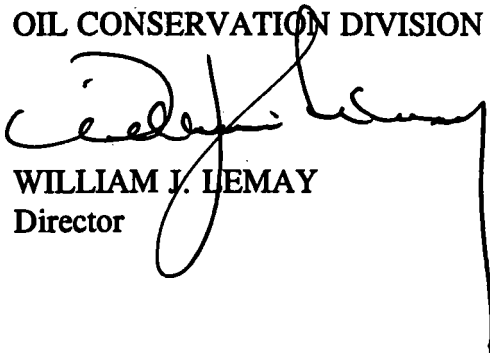
(1) Division Administrative Order DD-194 is hereby amended to properly reflect the actual bottomhole location for the above-described San Juan "32-7" Unit Well No. 240 (API No. 30-045-29469) within the Blanco-Fruitland Coal (Gas) Pool to be, more or less, 1892 feet from the North line and 335 feet from the East line (Unit H) of Section 19, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico.

(2) All other provisions of said Order DD-194, dated July 28, 1997, not in conflict with this change shall remain in full force and effect until further notice.

(3) 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

S E A L

WJL/MES/kv

cc: Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington  
File: DD-194

DD-194.amd

November 19, 1997

Rec: 8-11-97

Suz: 9-2-97

Released: 11-19-97

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

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- (2) This amendment has been duly filed under the provisions of Division General Rule 104.F, the current Rule 111.C(2), and Rule 8 of said special pool rules; and,
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**IT IS THEREFORE ORDERED THAT:**

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STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director

S E A L

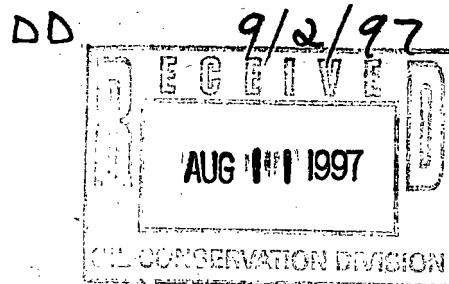
WJL/MES/kv

cc: Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington  
File: DD-194



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

By letter dated July 1, 1997, Phillips Petroleum Company ("Phillips") requested administrative approval of a directional wellbore project for the San Juan Unit #240 well which was subsequently granted by Administrative Order DD-194.

Per telephone conversation with Mr. Michael Stogner, Phillips now respectfully requests that the said Order be amended due to the fact that in order to reach the bottomhole location originally designated the well would have to be drilled at an angle of approximately 45 degrees. Our intent is to drill this well at an angle of approximately 23 degrees therefore necessitating this request. The vertically oriented view of the well originally submitted is correct however, the Form C-102 for the well which was originally submitted was in error as it did not reflect the correct bottomhole location. The original surface location of 1326 feet FNL and 231 FWL of Section 20-T32N-R7W is unchanged. The correct bottom hole location of 1892 feet FNL and 335 feet FEL of Section 19-T32N-R7W will require an approval of an unorthodox well location which is being requested by separate letter included with this letter

Enclosed are the following:

- 1) A vertically oriented and horizontal plan view of the well.
- 2) A list of the names and addresses of all offset operators.



REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464  
AUGUST 7, 1997  
PAGE 2

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

Very truly yours,

A handwritten signature in black ink, appearing to read "S. Scott Prather", with a long horizontal flourish extending to the right.

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

cc: J. L. Mathis (r)G. F. 5464  
Michael Stogner - OCD, Santa Fe  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code	3 Pool Name
4 Property Code	5 Property Name SAN JUAN 32-7 UNIT		6 Well Number 240
7 OGRID No.	8 Operator Name PHILLIPS PETROLEUM COMPANY		9 Elevation 6283

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


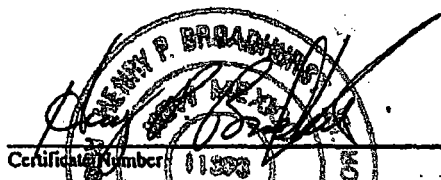
Ul. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

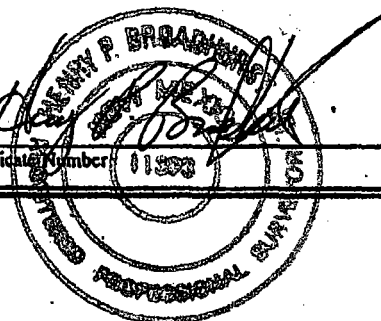
## 11 Bottom Hole Location If Different From Surface

UL, or lot no. H	Section 19	Township 32N	Range 7W	Lot Idn	Feet from the 1892'	North/South line NORTH	Feet from the 335'	East/West line EAST	County SAN JUAN
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13 Dedicated Acres	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

16	2841.30'			2601.72'	<b>17 OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Richard Allred Printed Name Drilling Supervisor Title August 6, 1997 Date
		1892.0'	2638.02'	1326.0'	
	BOTTOM HOLE LOCATION	335.0'	231.0' SURFACE LOCATION		
	SECTION 19		SECTION 20		
		2624.16'			<b>18 SURVEYOR CERTIFICATION</b> <i>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.</i> 04/17/97 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number 11393
	3017.52'		2490.84'		



# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

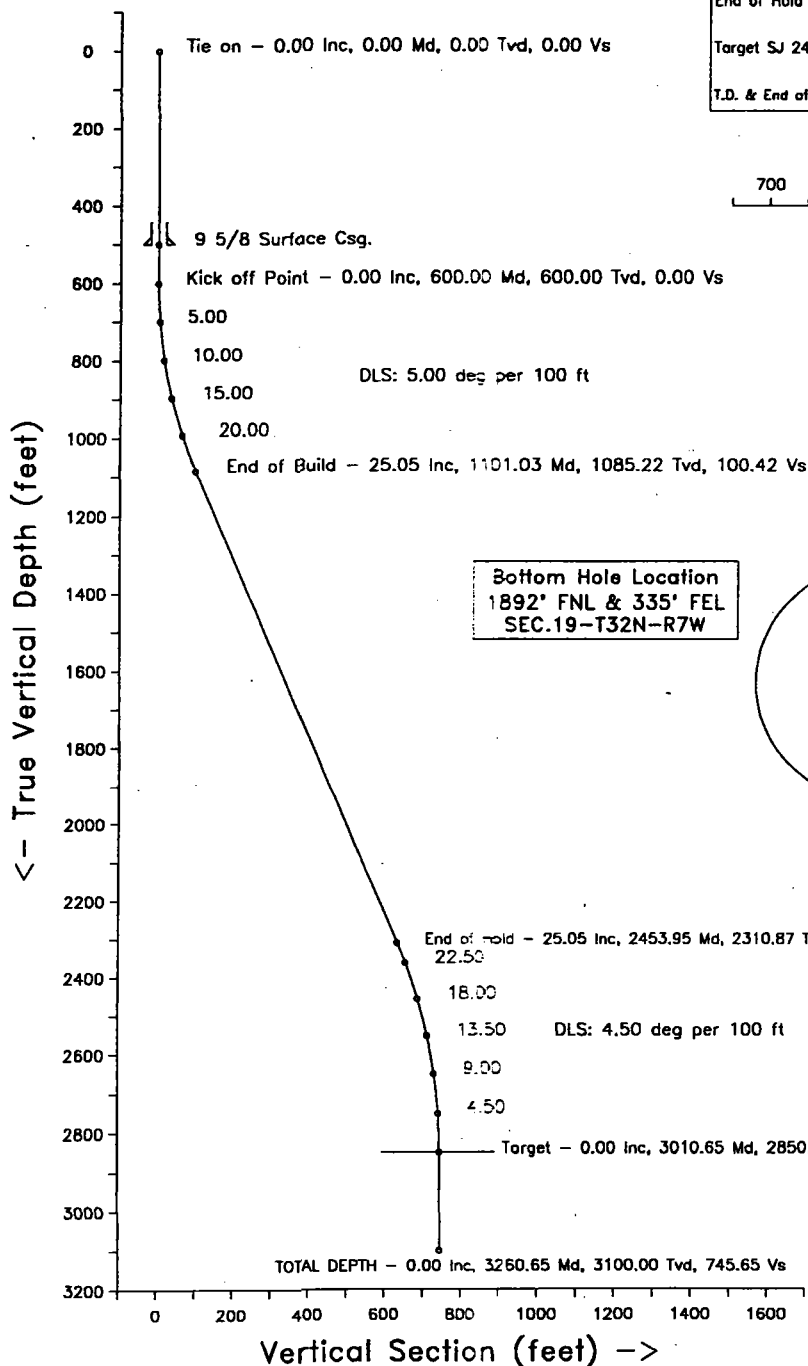
Field : SAN JUAN COUNTY

Location : NEW MEXICO

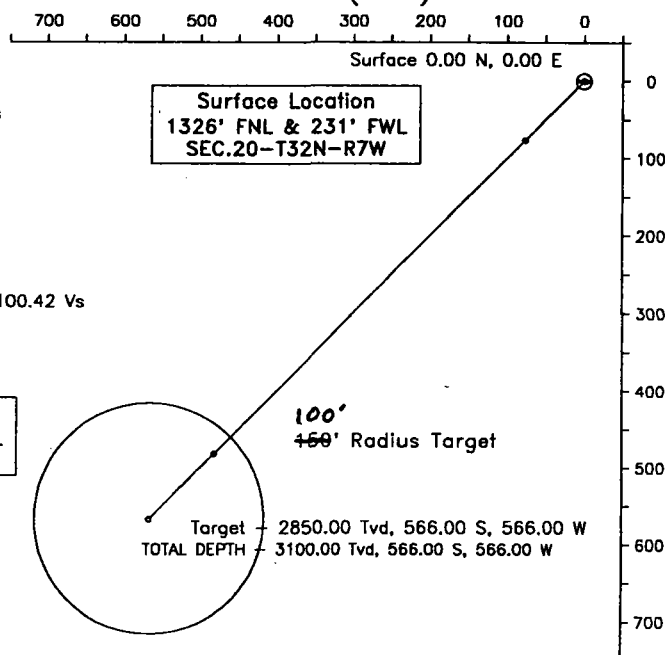


## WELL PROFILE DATA

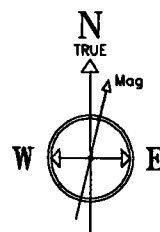
Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



-- West (feet)



-- Baker Hughes INTEQ --  
DRAWN BY: WALLY HOLBROOK  
DATE: JUNE 17, 1997  
TVD REFERENCED RKB  
DENVER, COLORADO  
PHONE: (303) 534-3223



3-Jun-97

Magnetic North is 11.50 degrees East of TRUE North  
To correct azimuth from Magnetic to TRUE add 11.50 deg

Azimuth 246.32 with reference 0.00 N, 0.00 E from SLOT #1

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

Comments in wellpath =====				
MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A' =====							
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.	Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N 0.00E	9 5/8 Surfa

Targets associated with this wellpath =====				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
SJ 240		2850.00	566.00S 566.00W	9-Jun-97

**San Juan 32-7 Unit #240**

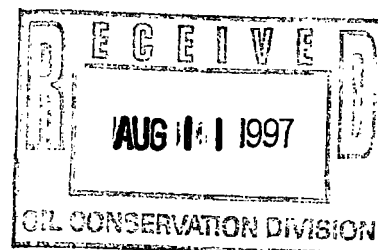
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
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NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

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Per telephone conversation with Mr. Michael Stogner, Phillips now respectfully requests that the said Order be amended due to the fact that in order to reach the bottomhole location originally designated the well would have to be drilled at an angle of approximately 45 degrees. Our intent is to drill this well at an angle of approximately 23 degrees therefore necessitating this request. The vertically oriented view of the well originally submitted is correct however, the Form C-102 for the well which was originally submitted was in error as it did not reflect the correct bottomhole location. The original surface location of 1326 feet FNL and 231 FWL of Section 20-T32N-R7W is unchanged. The correct bottom hole location of 1892 feet FNL and 335 feet FEL of Section 19-T32N-R7W will require an approval of an unorthodox well location which is being requested by separate letter included with this letter

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SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464  
AUGUST 7, 1997  
PAGE 2

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Very truly yours,

A handwritten signature in dark ink, appearing to read "S. Scott Prather", with a long horizontal flourish extending to the right.

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

cc: J. L. Mathis (r)G. F. 5464  
Michael Stogner - OCD, Santa Fe  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SAN JUAN 32-7 UNIT			6 Well Number 240
7 OGRID No.		8 Operator Name PHILLIPS PETROLEUM COMPANY			9 Elevation 6283

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
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

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
H	19	32N	7W		1892'	NORTH	335'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	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

16 2841.30'	1892.0'	2638.02'	1326.0'	2601.72'	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Richard Allred Printed Name Drilling Supervisor Title August 6, 1997 Date
	BOTTOM HOLE LOCATION 335.0'	SURFACE LOCATION 231.0'			
	SECTION 19	SECTION 20			<b>18 SURVEYOR CERTIFICATION</b> 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. 04/17/97 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number
	2624.16'				
	3017.52'		2490.84'		

# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

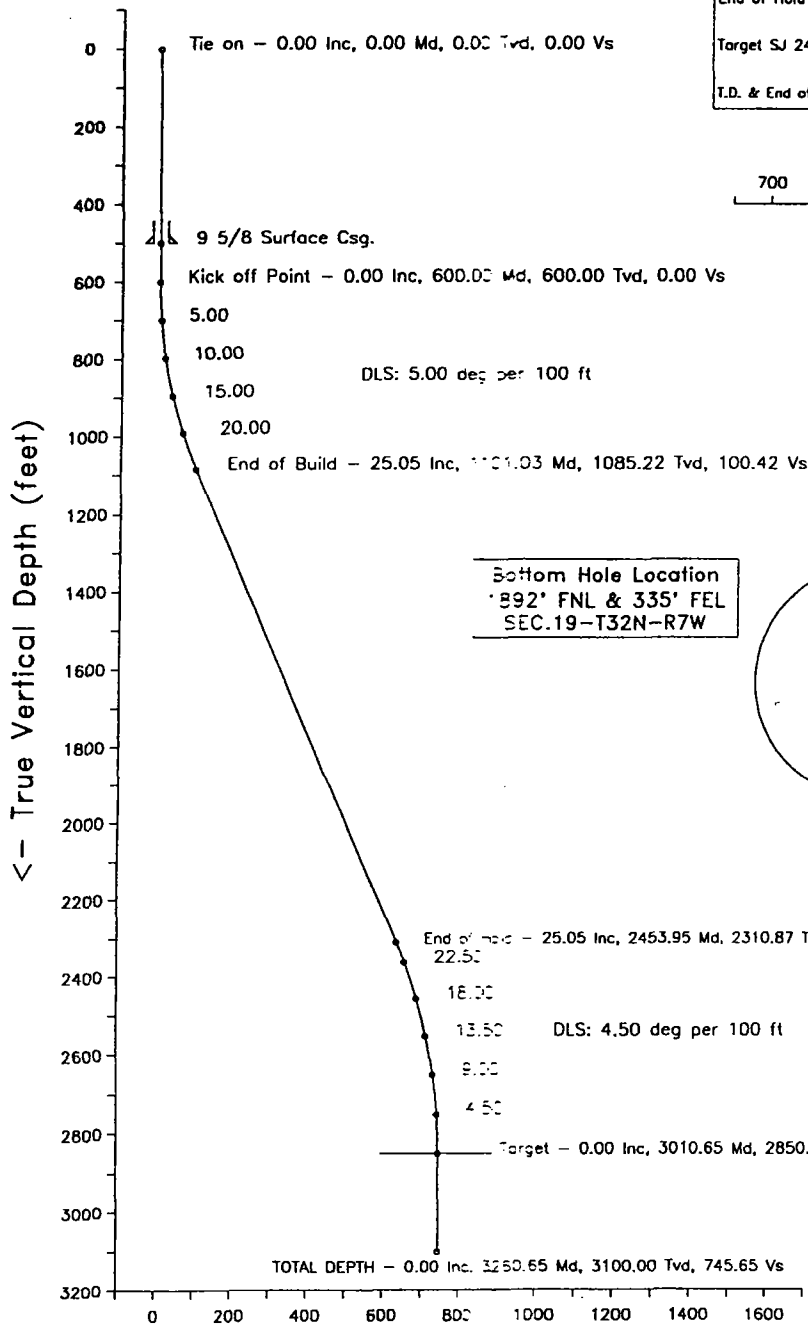
Field : SAN JUAN COUNTY

Location : NEW MEXICO

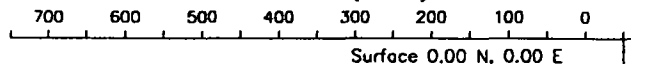


## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



< - West (feet)



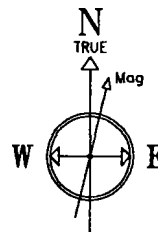
Surface 0.00 N, 0.00 E

Surface Location  
1326' FNL & 231' FWL  
SEC.20-T32N-R7W

100'  
450' Radius Target

Target - 2850.00 Tvd, 566.00 S, 566.00 W  
TOTAL DEPTH - 3100.00 Tvd, 566.00 S, 566.00 W

-- Baker Hughes INTEQ --  
DRAWN BY: WALLY HOLBROOK  
DATE: JUNE 17, 1997  
TVD REFERENCED RKB  
DENVER, COLORADO  
PHONE: (303) 534-3223



3-Jun-97

Magnetic North is 11.50 degrees East of TRUE North  
To correct azimuth from Magnetic to TRUE add 11.50 deg

Vertical Section (feet) ->

Azimuth 246.32 with reference 0.00 N, 0.00 E from SLOT #1

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	708.00	12.11 S	12.11 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

				Comments in wellpath
				=====
MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'								
=====								
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath				
=====				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
SJ 240		2850.00	566.00S 566.00W	9-Jun-97

**San Juan 32-7 Unit #240**

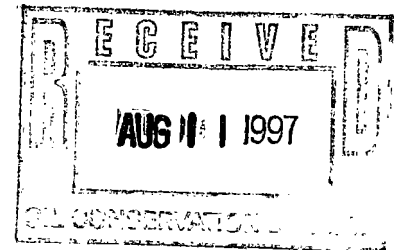
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

By letter dated July 1, 1997, Phillips Petroleum Company ("Phillips") requested administrative approval of a directional wellbore project for the San Juan Unit #240 well which was subsequently granted by Administrative Order DD-194.

Per telephone conversation with Mr. Michael Stogner, Phillips now respectfully requests that the said Order be amended due to the fact that in order to reach the bottomhole location originally designated the well would have to be drilled at an angle of approximately 45 degrees. Our intent is to drill this well at an angle of approximately 23 degrees therefore necessitating this request. The vertically oriented view of the well originally submitted is correct however, the Form C-102 for the well which was originally submitted was in error as it did not reflect the correct bottomhole location. The original surface location of 1326 feet FNL and 231 FWL of Section 20-T32N-R7W is unchanged. The correct bottom hole location of 1892 feet FNL and 335 feet FEL of Section 19-T32N-R7W will require an approval of an unorthodox well location which is being requested by separate letter included with this letter

Enclosed are the following:

- 1) A vertically oriented and horizontal plan view of the well.
- 2) A list of the names and addresses of all offset operators.



REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464  
AUGUST 7, 1997  
PAGE 2

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

Very truly yours,

A handwritten signature in black ink, appearing to read "S. Scott Prather", with a long horizontal flourish extending to the right.

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

cc: J. L. Mathis (r)G. F. 5464  
Michael Stogner - OCD, Santa Fe  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company

☐ AMENDED REPORT

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

# WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SAN JUAN 32-7 UNIT			6 Well Number 240
7 OGRID No.		8 Operator Name PHILLIPS PETROLEUM COMPANY			9 Elevation 6283

### <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
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

## 11 Bottom Hole Location If Different From Surface

UL or lot no. H	Section 19	Township 32N	Range 7W	Lot Idn	Feet from the 1892'	North/South line NORTH	Feet from the 335'	East/West line EAST	County SAN JUAN
--------------------	---------------	-----------------	-------------	---------	------------------------	---------------------------	-----------------------	------------------------	--------------------

11 Dedicated Acres	12 Joint or Infill	13 Consolidation Code	14 Order No.
--------------------	--------------------	-----------------------	--------------

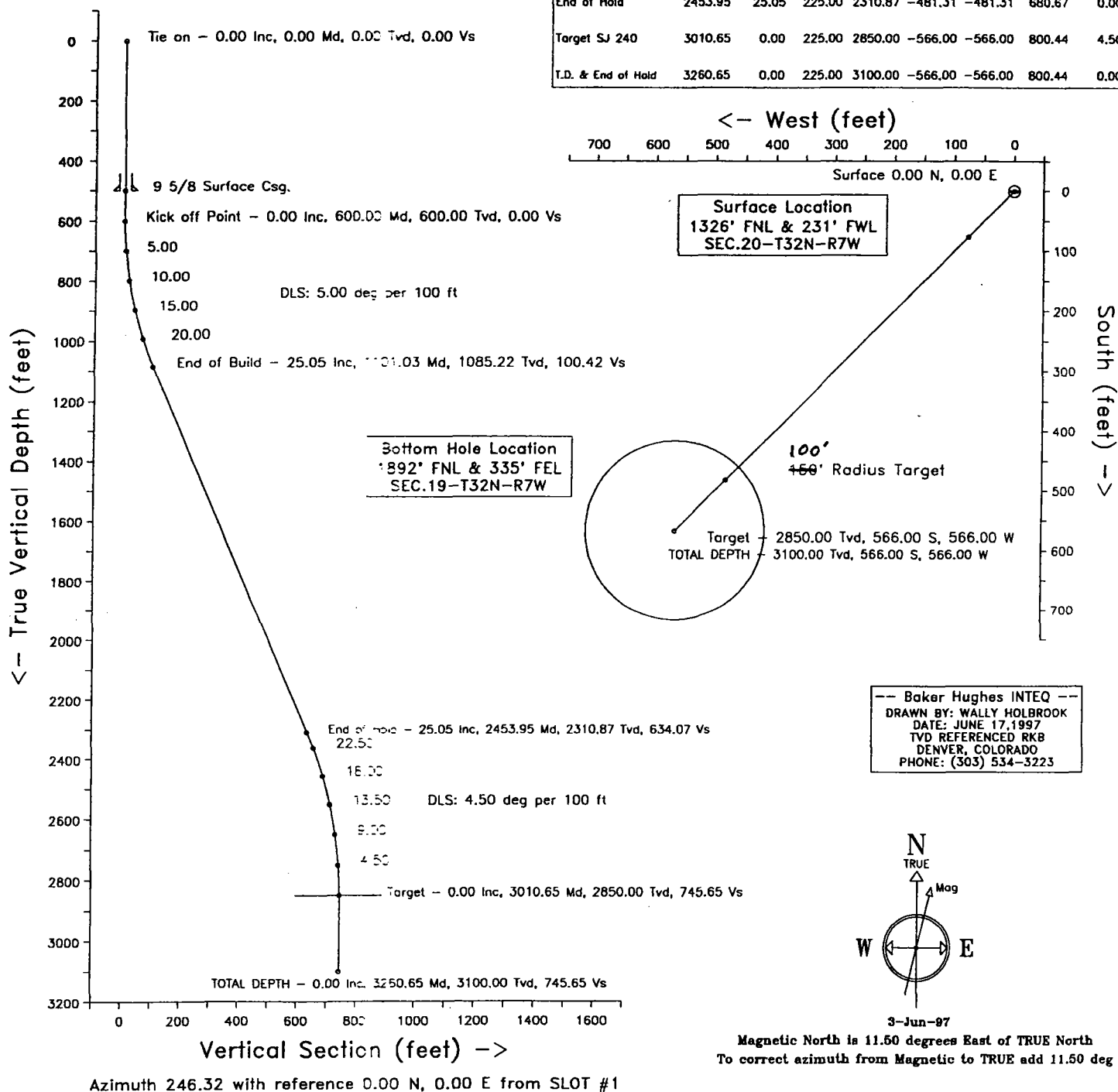
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	2841.30'				2601.72'	<b>17 OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature  Printed Name Richard Allred Title Drilling Supervisor Date August 6, 1997
		1892.0' BOTTOM HOLE LOCATION	2638.02' LOCATION	1326.0' SURFACE LOCATION		
		SECTION 19		SECTION 20		
			2624.16'			<b>18 SURVEYOR CERTIFICATION</b> <i>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.</i> Date of Survey 04/17/97 Signature and Seal of Professional Surveyor: 
						Certificate Number
		3017.52'		2490.84'		

**Location : NEW MEXICO**



Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	708.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

				Comments in wellpath
				=====
MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'								
=====								
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath						
=====						
Target name	Geographic Location		T.V.D.	Rectangular Coordinates		Revised
SJ 240			2850.00	566.00S	566.00W	9-Jun-97

**San Juan 32-7 Unit #240**

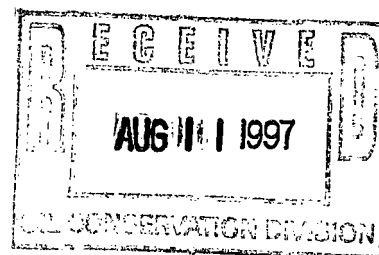
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

By letter dated July 1, 1997, Phillips Petroleum Company ("Phillips") requested administrative approval of a directional wellbore project for the San Juan Unit #240 well which was subsequently granted by Administrative Order DD-194.

Per telephone conversation with Mr. Michael Stogner, Phillips now respectfully requests that the said Order be amended due to the fact that in order to reach the bottomhole location originally designated the well would have to be drilled at an angle of approximately 45 degrees. Our intent is to drill this well at an angle of approximately 23 degrees therefore necessitating this request. The vertically oriented view of the well originally submitted is correct however, the Form C-102 for the well which was originally submitted was in error as it did not reflect the correct bottomhole location. The original surface location of 1326 feet FNL and 231 FWL of Section 20-T32N-R7W is unchanged. The correct bottom hole location of 1892 feet FNL and 335 feet FEL of Section 19-T32N-R7W will require an approval of an unorthodox well location which is being requested by separate letter included with this letter

Enclosed are the following:

- 1) A vertically oriented and horizontal plan view of the well.
- 2) A list of the names and addresses of all offset operators.



REQUEST TO AMEND ADMINISTRATIVE ORDER DD-194  
ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464  
AUGUST 7, 1997  
PAGE 2

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

Very truly yours,

A handwritten signature in dark ink, appearing to read "S. Scott Prather", with a long horizontal flourish extending to the right.

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

cc: J. L. Mathis (r)G. F. 5464  
Michael Stogner - OCD, Santa Fe  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SAN JUAN 32-7 UNIT			6 Well Number 240
7 OGRID No.		8 Operator Name PHILLIPS PETROLEUM COMPANY			9 Elevation 6283

10 Surface Location

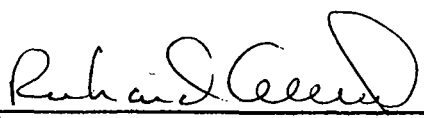
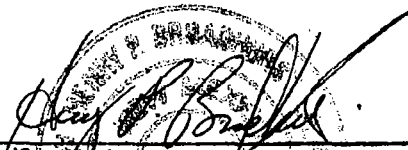
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

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
H	19	32N	7W		1892'	NORTH	335'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	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

16 2841.30'	1892.0'	2638.02'	1326.0'	2601.72'	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief   Signature Richard Allred Printed Name Drilling Supervisor Title August 6, 1997 Date
	BOTTOM HOLE LOCATION 335.0'		SURFACE LOCATION 231.0'		
	SECTION 19		SECTION 20		
		2624.16'			<b>18 SURVEYOR CERTIFICATION</b> 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.  04/17/97 Date of Survey Signature and Seal of Professional Surveyor:   Certificate Number: 8122
	3017.52'		2490.84'		

# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

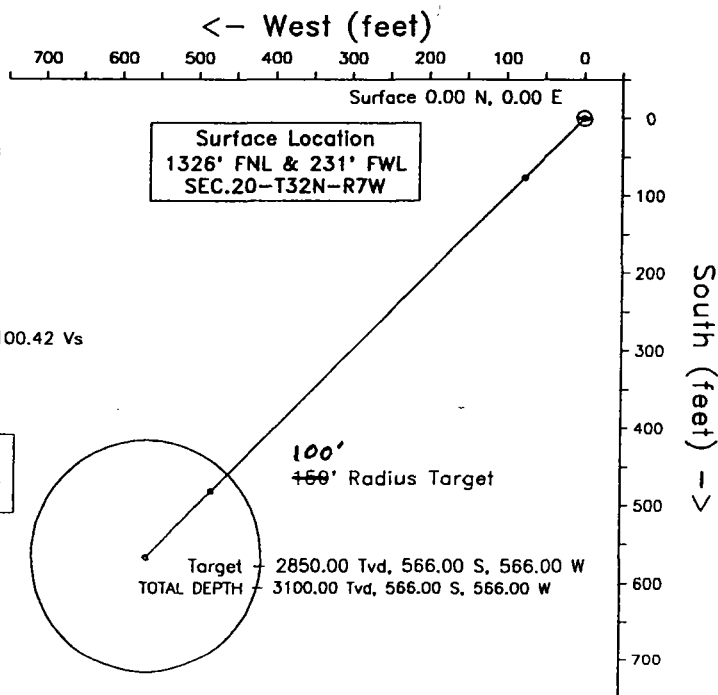
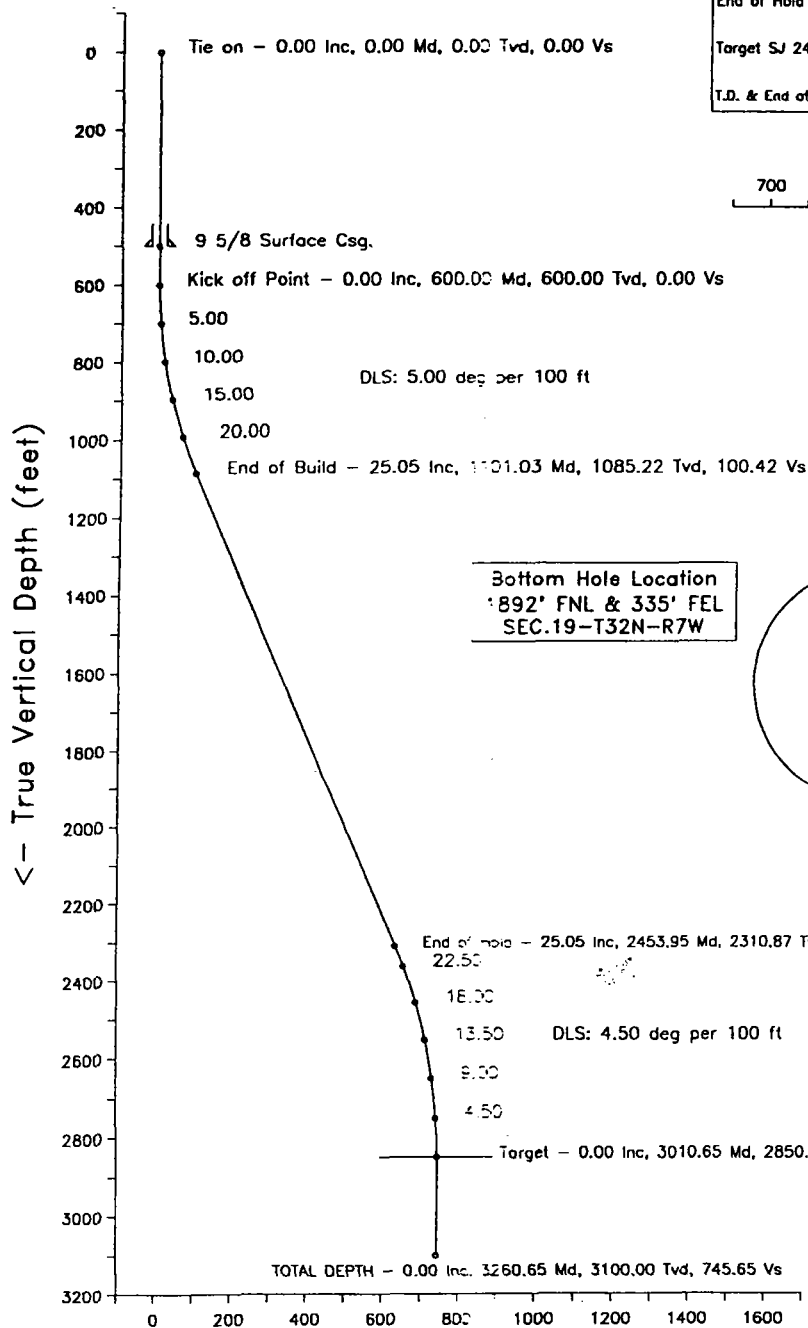
Field : SAN JUAN COUNTY

Location : NEW MEXICO

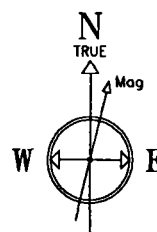


## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



-- Baker Hughes INTEQ --  
DRAWN BY: WALLY HOLBROOK  
DATE: JUNE 17, 1997  
TVD REFERENCED RKB  
DENVER, COLORADO  
PHONE: (303) 534-3223



3-Jun-97

Magnetic North is 11.50 degrees East of TRUE North  
To correct azimuth from Magnetic to TRUE add 11.50 deg

Azimuth 246.32 with reference 0.00 N, 0.00 E from SLOT #1

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

				Comments in wellpath
				=====
MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'								
=====								
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath				
=====				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
SJ 240		2850.00	566.00S 566.00W	9-Jun-97

**San Juan 32-7 Unit #240**

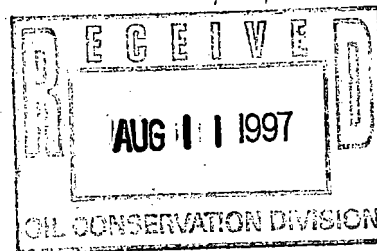
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX  
WELL LOCATION  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 32-7 Unit, requests administrative approval of an unorthodox well location for the San Juan 32-7 Unit #240 well.

Phillips proposes to directionally drill the #240 well from a surface location of 1326' FNL and 231' FWL of Section 20-T32N-R7W to a bottom hole location of 1892' FNL and 335' FEL of Section 19-T32N-R7W. This unorthodox location is necessary due to the bottomhole location being beneath Navajo Lake which dictates the need for the directional well and the angle of the wellbore.

Enclosed are the following:

- 1) A nine-section plat showing the surface location of the #213 well, all offsetting Fruitland wells and the names of offset operators.
- 2) A vertically oriented and horizontal plan view of the well.
- 3) A topographical map.
- 4) A list of names and addresses of all offset operators.

A copy of the 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,

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



cc: J. L. Mathis (r)G. F. 5464  
Michael Stogner - OCD, Santa Fe  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company

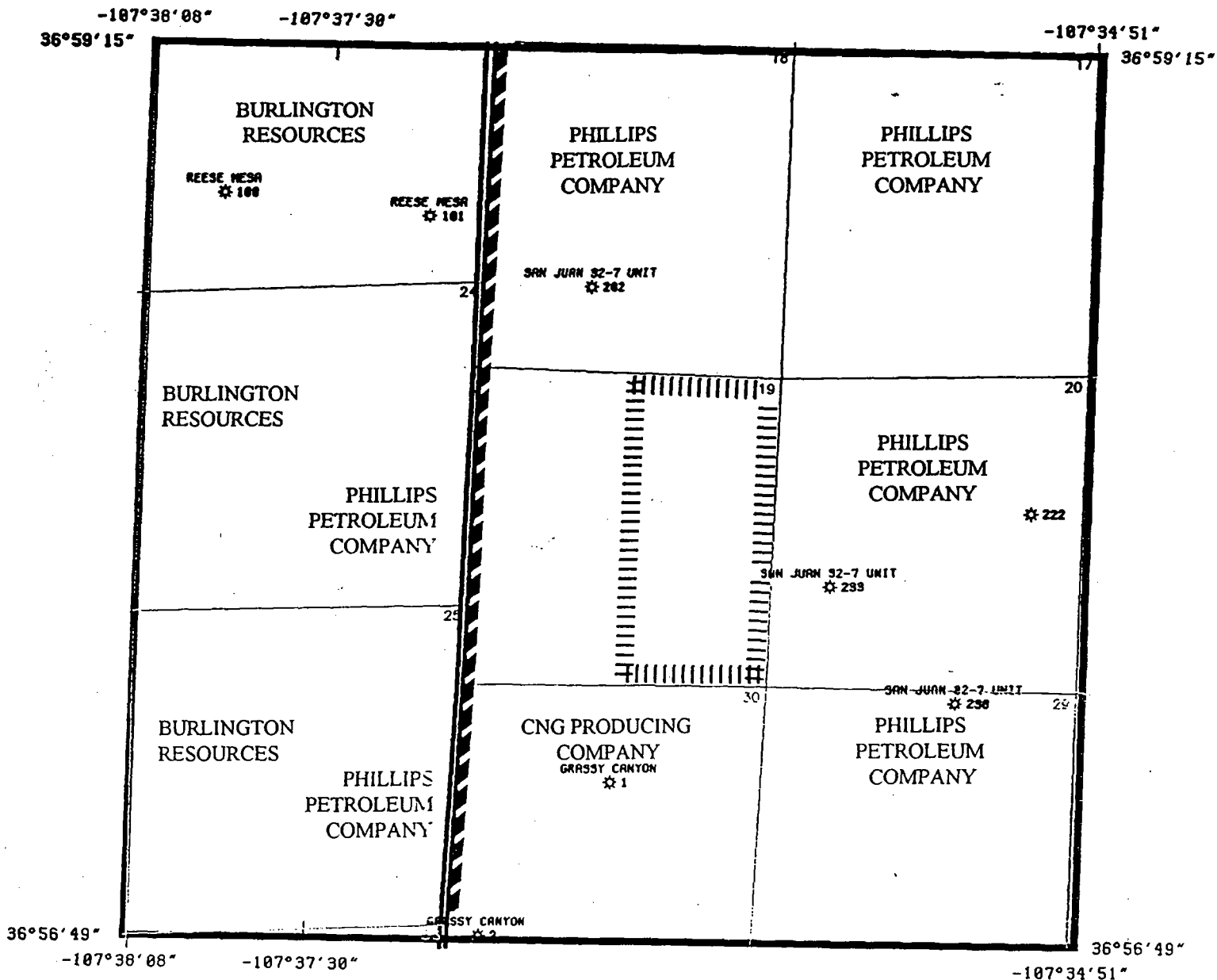
cc: J. L. Mathis (r)G. F. 5464

Michael Stogner - OCD, Santa Fe

Ernie Busch - OCD, Aztec

Burlington Resources Oil & Gas Company

CNG Producing Company



SAN JUAN 32-7 UNIT NO. 240 BOTTOM HOLE LOCATION IS 1800 FEET FROM THE NORTH LINE AND 850 FEET FROM THE EAST LINE OF SECTION 19-T32N-R7W



DRILLBLOCK FOR SAN JUAN 32-7 UNIT NO. 240



BOUNDARY OF SAN JUAN 32-7 UNIT

	Phillips Petroleum Company	
AREA <u>SAN JUAN 32-7 UNIT NO. 240</u>		
NINE-SECTION PLAT OF OFFSETS		
COUNTY <u>SAN JUAN</u>	STATE <u>NEW MEXICO</u>	JOB <u>Q7410PHN USR00081</u>
SCALE <u>1" = 2563 FEET</u>		

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SAN JUAN 32-7 UNIT			6 Well Number 240
7 OGRID No.		8 Operator Name PHILLIPS PETROLEUM COMPANY			9 Elevation 6283

10 Surface Location

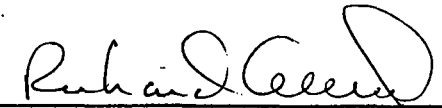
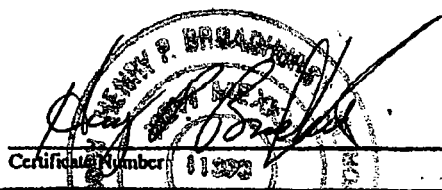
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

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
H	19	32N	7W		1892'	NORTH	335'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	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

16 2841.30'	1892.0'	2638.02'	1326.0'	2601.72'	<b>17 OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Richard Allred Printed Name Drilling Supervisor Title August 6, 1997 Date
	BOTTOM HOLE LOCATION 335.0'		SURFACE 231.0' LOCATION		
	SECTION 19		SECTION 20		
	2624.16'				<b>18 SURVEYOR CERTIFICATION</b> <i>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.</i> 04/17/97 Date of Survey Signature and Seal of Professional Surveyer:  Certificate Number: 81322
	3017.52'		2490.84'		

# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

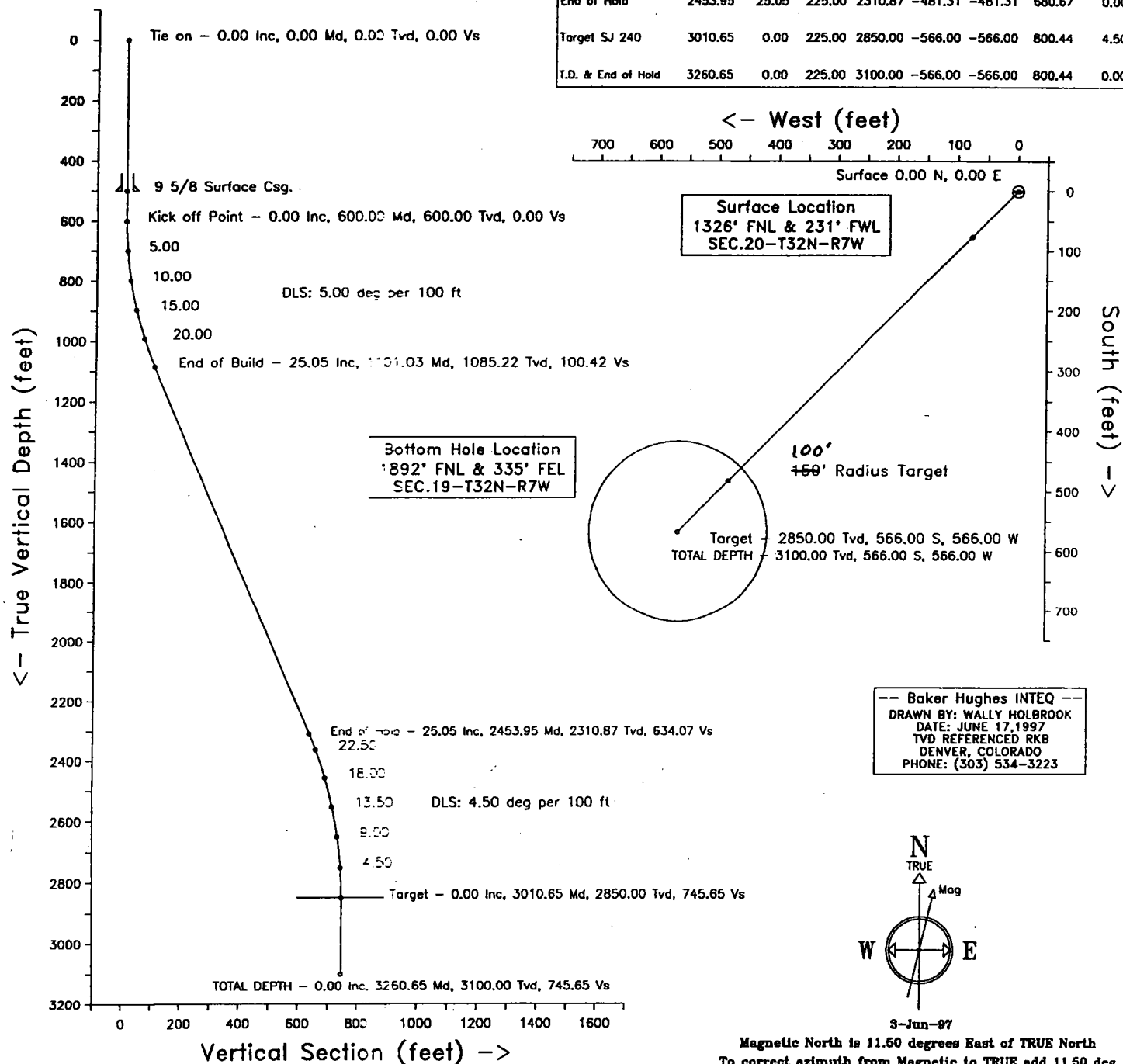
Field : SAN JUAN COUNTY

Location : NEW MEXICO



## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



-- Baker Hughes INTEQ --  
DRAWN BY: WALLY HOLBROOK  
DATE: JUNE 17, 1997  
TVD REFERENCED RKB  
DENVER, COLORADO  
PHONE: (303) 534-3223

Azimuth 246.32 with reference 0.00 N, 0.00 E from SLOT #1

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

Comments in wellpath =====				
MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A' =====							
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.	Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N 0.00E	9 5/8 Surfa

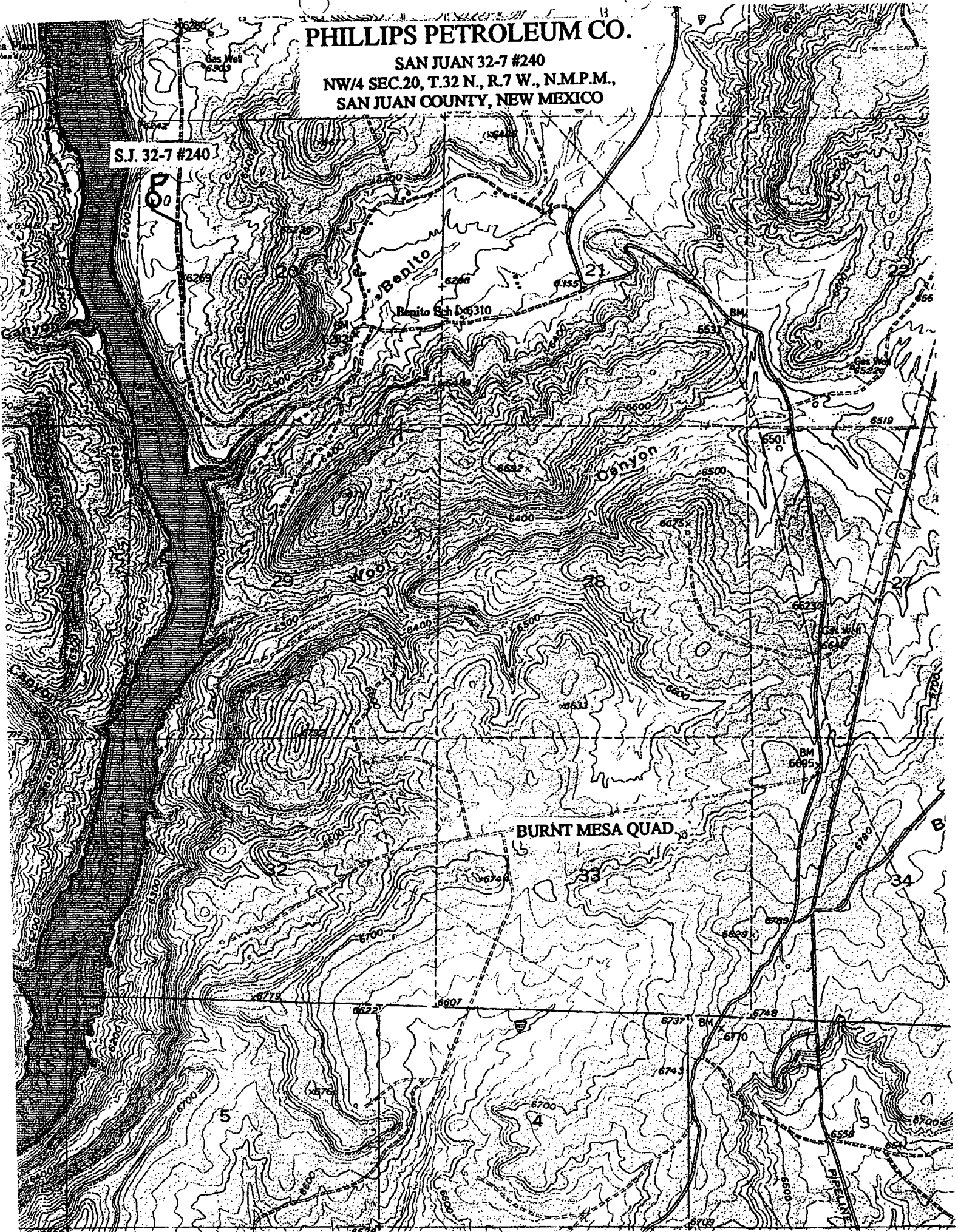
Targets associated with this wellpath =====				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
SJ 240		2850.00	566.00S 566.00W	9-Jun-97



**PHILLIPS PETROLEUM CO.**

SAN JUAN 32-7 #240  
NW/4 SEC.20, T.32 N., R.7 W., N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO

S.J. 32-7 #240



**San Juan 32-7 Unit #240**

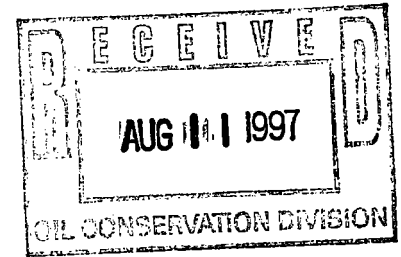
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX  
WELL LOCATION  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 32-7 Unit, requests administrative approval of an unorthodox well location for the San Juan 32-7 Unit #240 well.

Phillips proposes to directionally drill the #240 well from a surface location of 1326' FNL and 231' FWL of Section 20-T32N-R7W to a bottom hole location of 1892' FNL and 335' FEL of Section 19-T32N-R7W. This unorthodox location is necessary due to the bottomhole location being beneath Navajo Lake which dictates the need for the directional well and the angle of the wellbore.

Enclosed are the following:

- 1) A nine-section plat showing the surface location of the #213 well, all offsetting Fruitland wells and the names of offset operators.
- 2) A vertically oriented and horizontal plan view of the well.
- 3) A topographical map.
- 4) A list of names and addresses of all offset operators.

A copy of the 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,

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

cc: J. L. Mathis (r)G. F. 5464

Michael Stogner - OCD, Santa Fe

Ernie Busch - OCD, Aztec

Burlington Resources Oil & Gas Company

CNG Producing Company

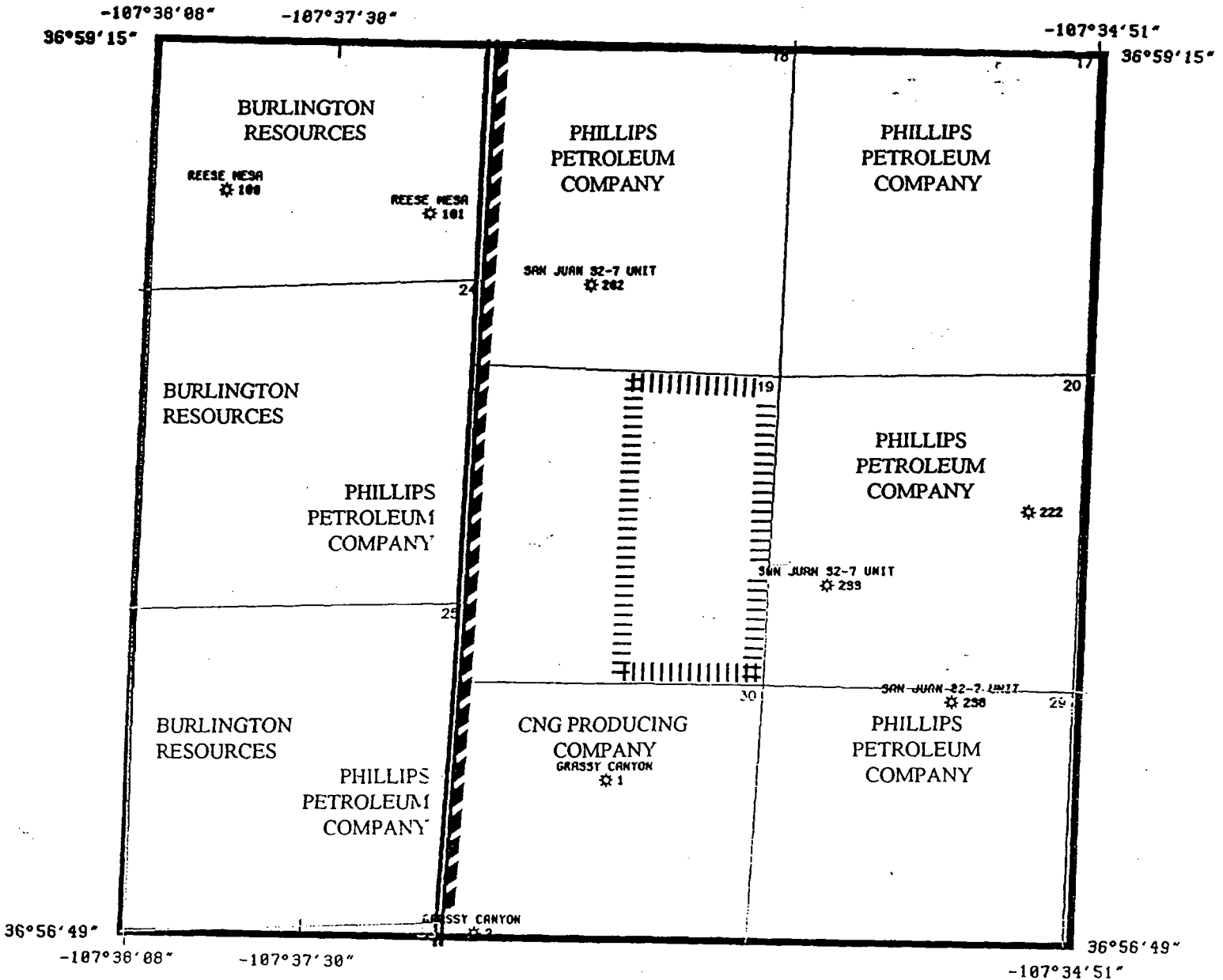
cc: J. L. Mathis (r)G. F. 5464

Michael Stogner - OCD, Santa Fe

Ernie Busch - OCD, Aztec

Burlington Resources Oil & Gas Company

CNG Producing Company



SAN JUAN 32-7 UNIT NO. 240 BOTTOM HOLE LOCATION IS 1800 FEET FROM THE NORTH LINE AND 850 FEET FROM THE EAST LINE OF SECTION 19-T32N-R7W



DRILLBLOCK FOR SAN JUAN 32-7 UNIT NO. 240



BOUNDARY OF SAN JUAN 32-7 UNIT

	Phillips Petroleum Company		
AREA <u>SAN JUAN 32-7 UNIT NO. 240</u>			
<u>NINE-SECTION PLAT OF OFFSETS</u>			
COUNTY <u>SAN JUAN</u>	STATE <u>NEW MEXICO</u>	JOB <u>07410PHN USR00081</u>	
SCALE <u>1" = 2500 FEET</u>		 SCALE (FEET)	

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

District II  
811 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		2. Pool Code		3. Pool Name	
4. Property Code		5. Property Name SAN JUAN 32-7 UNIT			6. Well Number 240
7. OCRID No.		8. Operator Name PHILLIPS PETROLEUM COMPANY			9. Elevation 6283

10. Surface Location


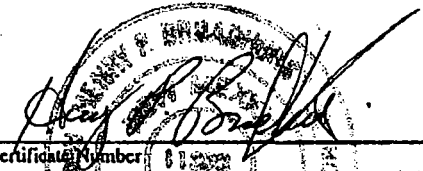
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

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
H	19	32N	7W		1892'	NORTH	335'	EAST	SAN JUAN

12. Dedicated Acres	13. Joint or Infill	14. Consolidation Code	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

16. 2841.30'	1892.0'	2638.02'	1326.0'	2601.72'	<b>17. OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature Richard Allred Printed Name Drilling Supervisor Title August 6, 1997 Date
	BOTTOM HOLE LOCATION 335.0'		SURFACE LOCATION 231.0'		
	SECTION 19		SECTION 20		
	2624.16'				<b>18. SURVEYOR CERTIFICATION</b> 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.  04/17/97 Date of Survey Signature and Seal of Professional Surveyor:   Certificate Number 012345
	3017.52'		2490.84'		

# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

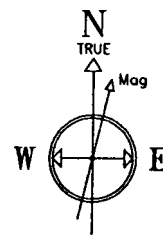
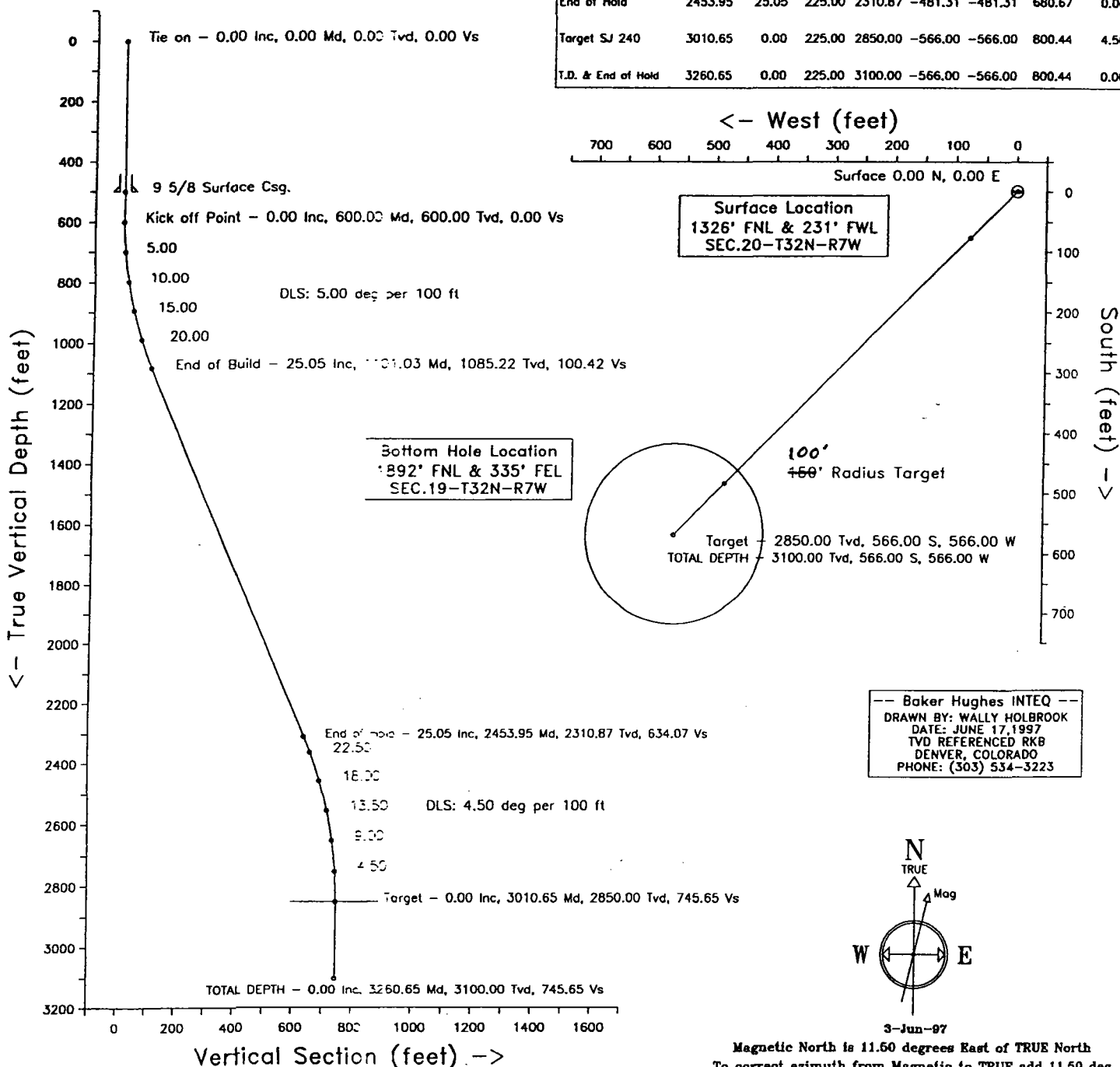
Field : SAN JUAN COUNTY

Location : NEW MEXICO



## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



Magnetic North is 11.50 degrees East of TRUE North  
To correct azimuth from Magnetic to TRUE add 11.50 deg



PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

Comments in wellpath

=====

MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'

=====

Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath

=====

Target name	Geographic Location		T.V.D.	Rectangular Coordinates		Revised
SJ 240			2850.00	566.00S	566.00W	9-Jun-97

PHILLIPS PETROLEUM CO.

SAN JUAN 32-7 #240  
NW/4 SEC.20, T.32 N., R.7 W., N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO

S.J. 32-7 #240



**San Juan 32-7 Unit #240**

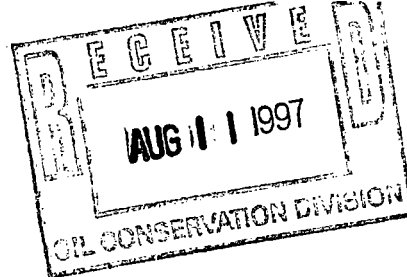
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



# PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX  
WELL LOCATION  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 32-7 Unit, requests administrative approval of an unorthodox well location for the San Juan 32-7 Unit #240 well.

Phillips proposes to directionally drill the #240 well from a surface location of 1326' FNL and 231' FWL of Section 20-T32N-R7W to a bottom hole location of 1892' FNL and 335' FEL of Section 19-T32N-R7W. This unorthodox location is necessary due to the bottomhole location being beneath Navajo Lake which dictates the need for the directional well and the angle of the wellbore.

Enclosed are the following:

- 1) A nine-section plat showing the surface location of the #213 well, all offsetting Fruitland wells and the names of offset operators.
- 2) A vertically oriented and horizontal plan view of the well.
- 3) A topographical map.
- 4) A list of names and addresses of all offset operators.

A copy of the 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,

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

cc: J. L. Mathis (r)G. F. 5464  
Michael Stogner - OCD, Santa Fe  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company

cc: J. L. Mathis (r)G. F. 5464

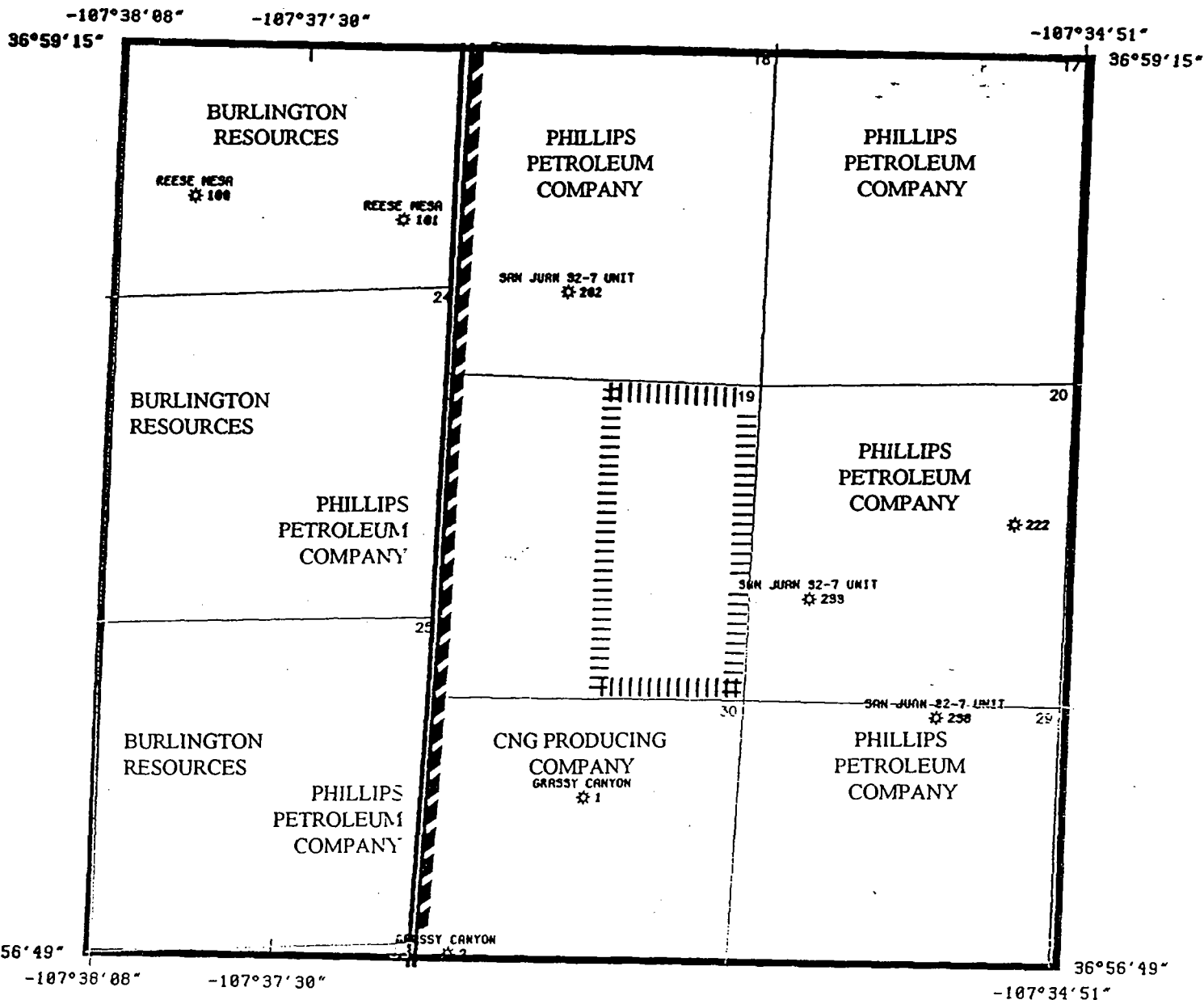
Michael Stogner - OCD, Santa Fe

Ernie Busch - OCD, Aztec

Burlington Resources Oil & Gas Company

CNG Producing Company





SAN JUAN 32-7 UNIT NO. 240 BOTTOM HOLE LOCATION IS 1800 FEET FROM THE NORTH LINE AND 850 FEET FROM THE EAST LINE OF SECTION 19-T32N-R7W



DRILLBLOCK FOR SAN JUAN 32-7 UNIT NO. 240



BOUNDARY OF SAN JUAN 32-7 UNIT

	Phillips Petroleum Company	
AREA <u>SAN JUAN 32-7 UNIT NO. 240</u>		
<u>NINE-SECTION PLAT OF OFFSETS</u>		
COUNTY <u>SAN JUAN</u>	STATE <u>NEW MEXICO</u>	JOB <u>07410PHN USR00081</u>
SCALE <u>1" = 2563 FEET</u>		 SCALE (FEET)

**Certificate Number**

# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

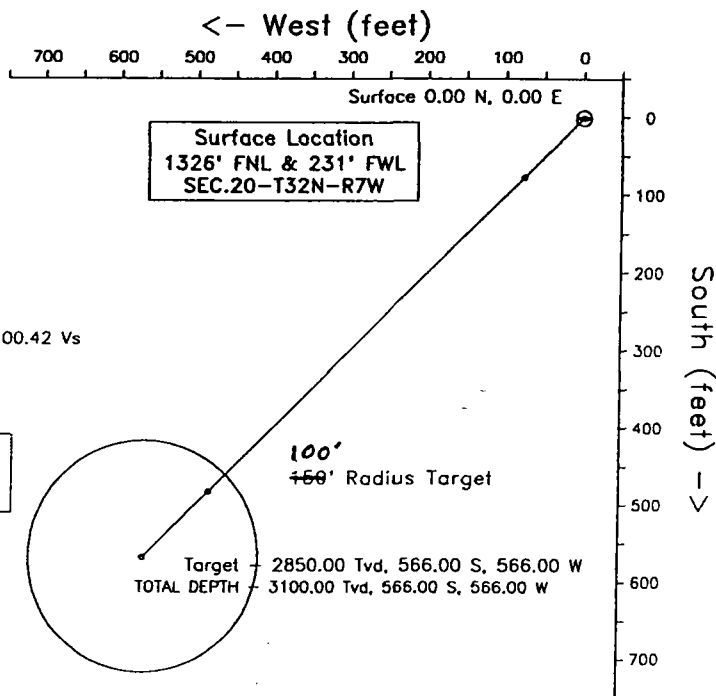
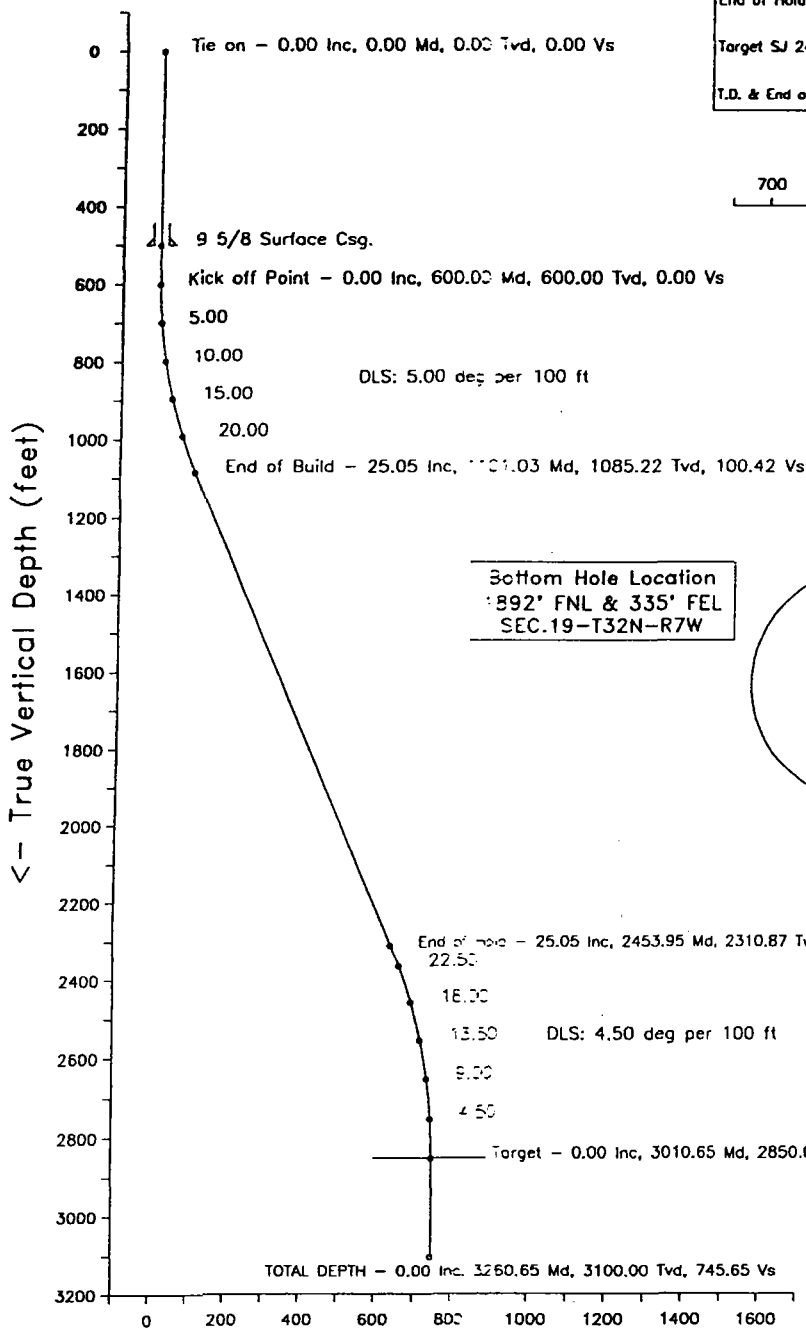
Field : SAN JUAN COUNTY

Location : NEW MEXICO

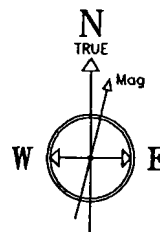


## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



Baker Hughes INTEQ  
DRAWN BY: WALLY HOLBROOK  
DATE: JUNE 17, 1997  
TVD REFERENCED RKB  
DENVER, COLORADO  
PHONE: (303) 534-3223



3-Jun-97

Magnetic North is 11.50 degrees East of TRUE North  
To correct azimuth from Magnetic to TRUE add 11.50 deg

Vertical Section (feet) ->

Azimuth 246.32 with reference 0.00 N, 0.00 E from SLOT #1

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

Comments in wellpath

=====

MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'

=====

Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath

=====

Target name	Geographic Location	T.V.D.	Rectangular Coordinates		Revised
SJ 240		2850.00	566.00S	566.00W	9-Jun-97

# PHILLIPS PETROLEUM CO.

SAN JUAN 32-7 #240  
NW/4 SEC. 20, T. 32 N., R. 7 W., N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO

S.J. 32-7 #240

P

Benito Sch. 65310

Wool

Canyon

BURNT MESA QUAD

B

PIEDRA

**San Juan 32-7 Unit #240**

**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000





**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

August 7, 1997

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

ATTN: MR. WILLIAM L. LEMAY

**RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX  
WELL LOCATION  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 32-7 Unit, requests administrative approval of an unorthodox well location for the San Juan 32-7 Unit #240 well.

Phillips proposes to directionally drill the #240 well from a surface location of 1326' FNL and 231' FWL of Section 20-T32N-R7W to a bottom hole location of 1892' FNL and 335' FEL of Section 19-T32N-R7W. This unorthodox location is necessary due to the bottomhole location being beneath Navajo Lake which dictates the need for the directional well and the angle of the wellbore.

Enclosed are the following:

- 1) A nine-section plat showing the surface location of the #213 well, all offsetting Fruitland wells and the names of offset operators.
- 2) A vertically oriented and horizontal plan view of the well.
- 3) A topographical map.
- 4) A list of names and addresses of all offset operators.

A copy of the 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,

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

cc: J. L. Mathis (r)G. F. 5464

Michael Stogner - OCD, Santa Fe

Ernie Busch - OCD, Aztec

Burlington Resources Oil & Gas Company

CNG Producing Company

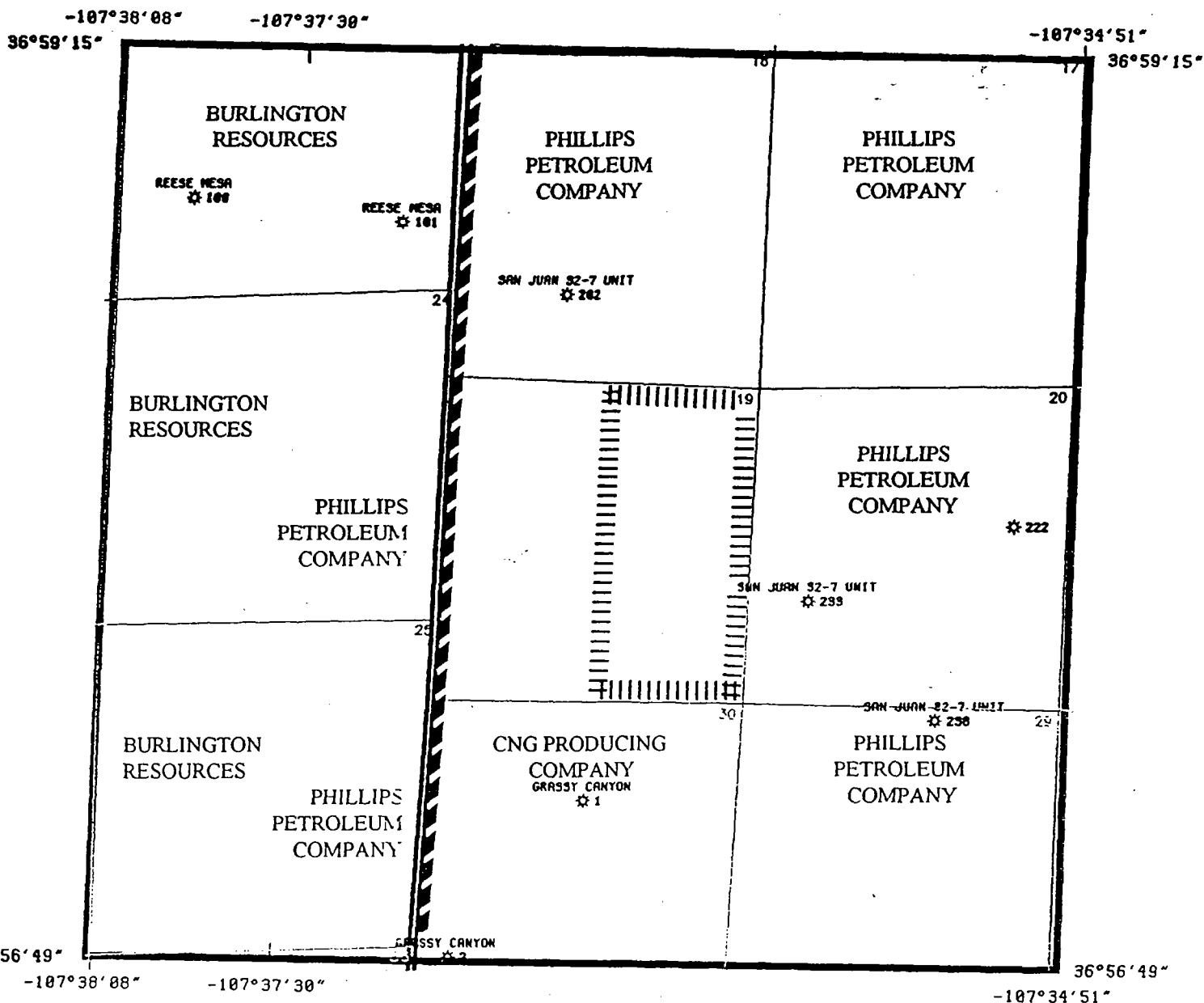
cc: J. L. Mathis (r)G. F. 5464

Michael Stogner - OCD, Santa Fe

Ernie Busch - OCD, Aztec

Burlington Resources Oil & Gas Company

CNG Producing Company



SAN JUAN 32-7 UNIT NO. 240 BOTTOM HOLE LOCATION IS 1800 FEET FROM THE NORTH LINE AND 850 FEET FROM THE EAST LINE OF SECTION 19-T32N-R7W



DRILLBLOCK FOR SAN JUAN 32-7 UNIT NO. 240



BOUNDARY OF SAN JUAN 32-7 UNIT



Phillips Petroleum Company



AREA SAN JUAN 32-7 UNIT NO. 240  
NINE-SECTION PLAT OF OFFSETS

COUNTY SAN JUAN STATE NEW MEXICO JOB 07410PHN USR00081

SCALE 1" = 2583 FEET

0 2,000 6,125  
 SCALE (FEET)

District I  
PO 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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name SAN JUAN 32-7 UNIT			6 Well Number 240
7 OGRID No.		8 Operator Name PHILLIPS PETROLEUM COMPANY			9 Elevation 6283

10 Surface Location

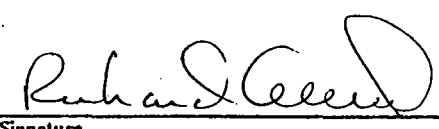
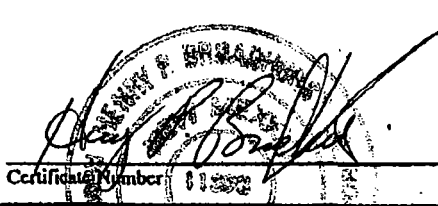
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	32N	7W		1326'	NORTH	231'	WEST	SAN JUAN

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
H	19	32N	7W		1892'	NORTH	335'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	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

16 2841.30'				2601.72'	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief   Signature Richard Allred Printed Name Drilling Supervisor Title August 6, 1997 Date
	1892.0'	2638.02'	1326.0'		
	BOTTOM HOLE LOCATION 335.0'		SURFACE LOCATION 231.0'		<b>18 SURVEYOR CERTIFICATION</b> 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.  04/17/97 Date of Survey Signature and Seal of Professional Surveyor:   Certificate Number 11552
	SECTION 19		SECTION 20		
		2624.16'			
	3017.52'		2490.84'		

# PHILLIPS PETROLEUM

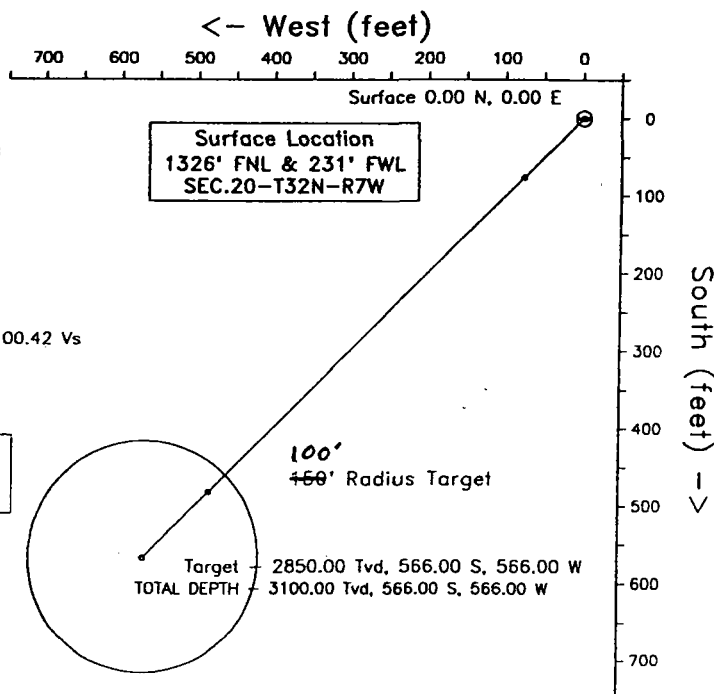
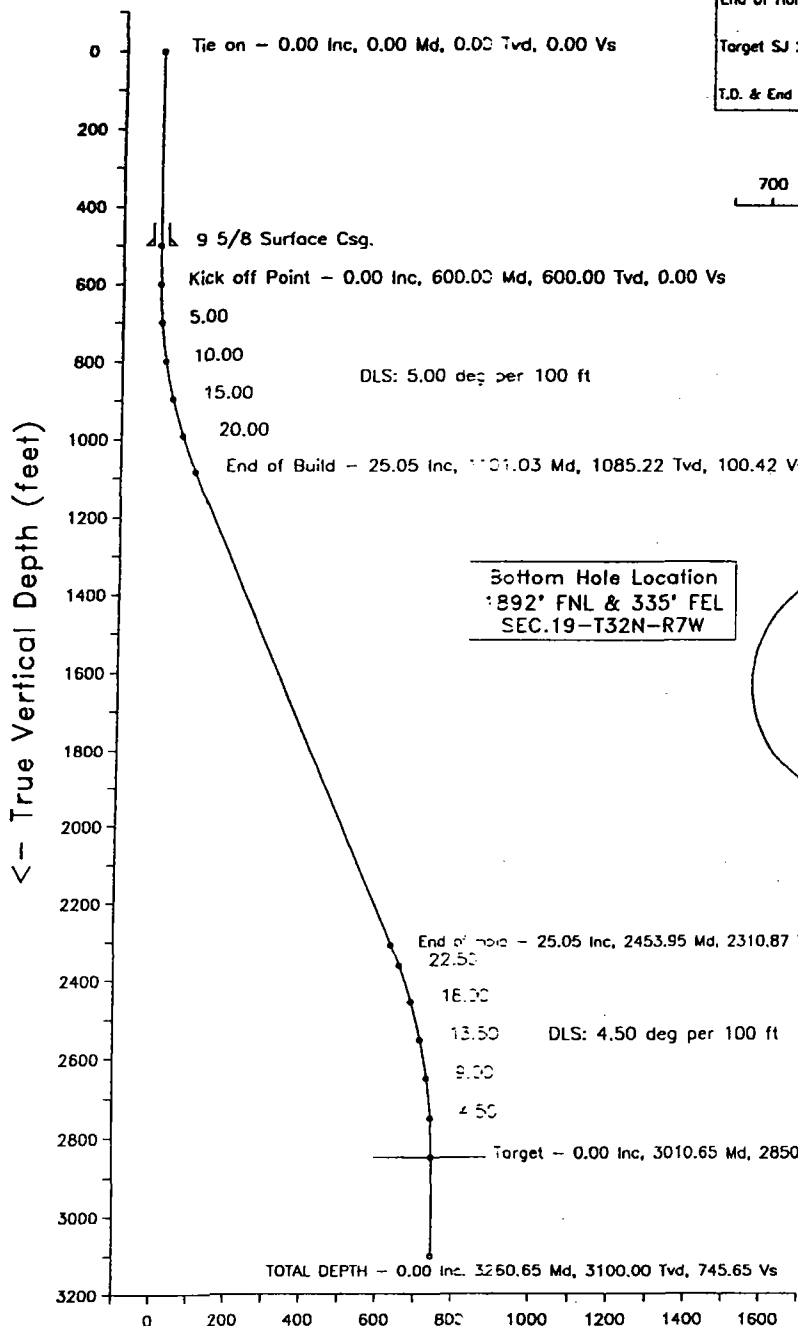
Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

Field : SAN JUAN COUNTY

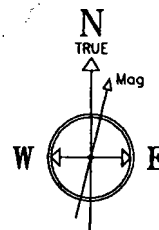
Location : NEW MEXICO



WELL PROFILE DATA								
Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
Target SJ 240	3010.65	0.00	225.00	2850.00	-566.00	-566.00	800.44	4.50
T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



Baker Hughes INTEQ  
DRAWN BY: WALLY HOLBROOK  
DATE: JUNE 17, 1997  
TVD REFERENCED RKB  
DENVER, COLORADO  
PHONE: (303) 534-3223



3-Jun-97

Magnetic North is 11.50 degrees East of TRUE North  
To correct azimuth from Magnetic to TRUE add 11.50 deg

Vertical Section (feet) ->

Azimuth 246.32 with reference 0.00 N, 0.00 E from SLOT #1

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ



PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

Comments in wellpath  
 =====

MD	TVD	Rectangular Coords.		Comment
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'  
 =====

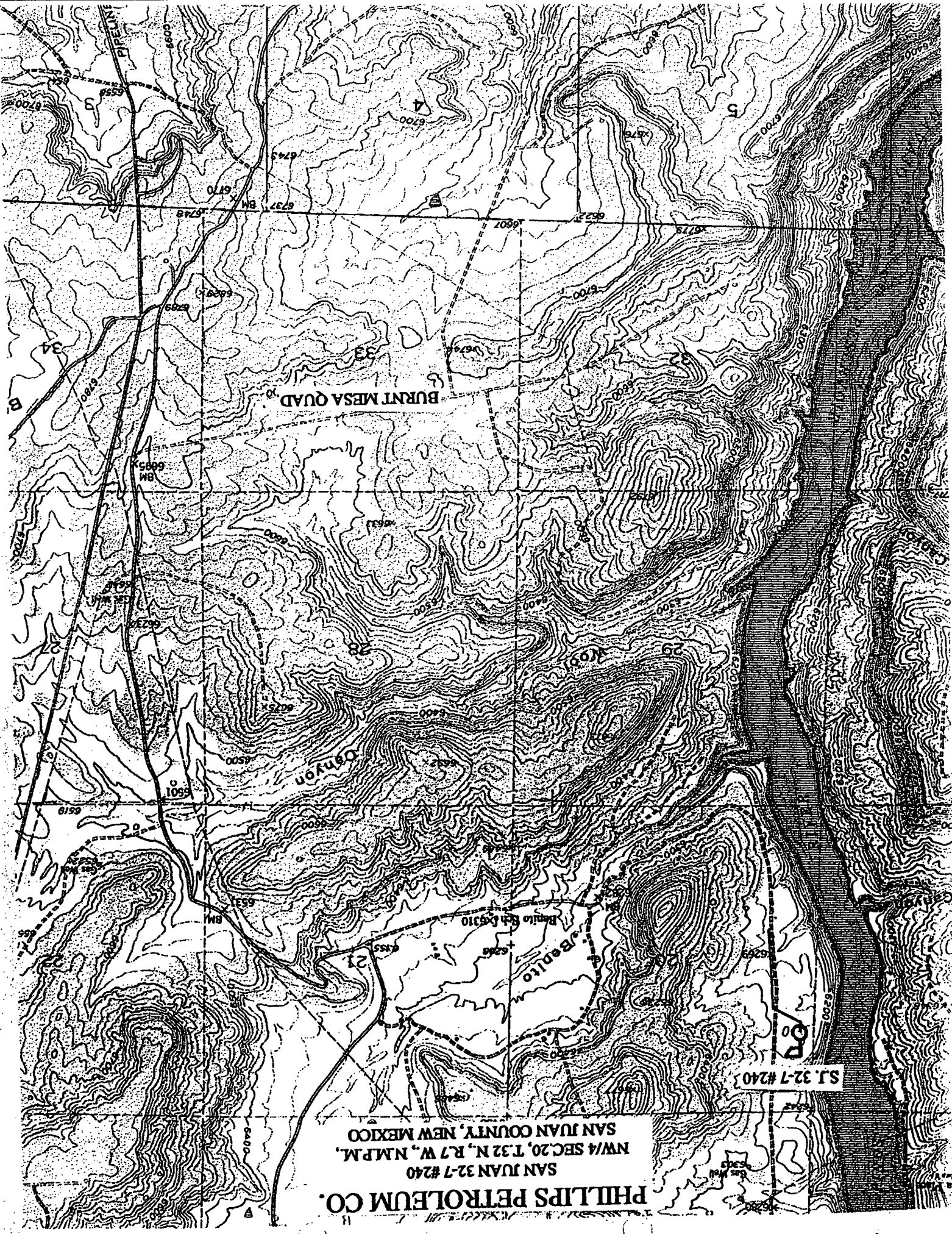
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath  
 =====

Target name	Geographic Location	T.V.D.	Rectangular Coordinates		Revised
SJ 240		2850.00	566.00S	566.00W	9-Jun-97

PHILLIPS PETROLEUM CO.  
SAN JUAN 32-7 #240  
NW/4 SEC. 20, T. 32 N., R. 7 W., N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

SJ. 32-7 #240



**San Juan 32-7 Unit #240**

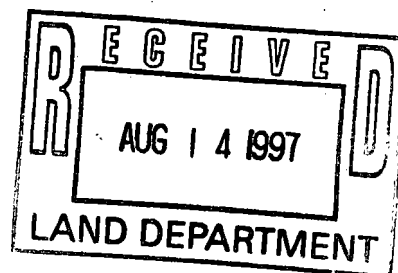
**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



August 7, 1997

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

ATTN: PEGGY BRADFELD  
REGULATORY/COMPLIANCE ADMINISTRATOR

**RE: REQUESTS TO AMEND ADMINISTRATIVE ORDER DD-194 APPROVAL OF DIRECTIONAL WELLBORE AND REQUEST FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX WELL LOCATION**  
SAN JUAN 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464

Dear Ms. Bradfield:

Enclosed is a copy of Phillips' applications to amend approval of a directional wellbore project and request administrative approval of an unorthodox location for the #240 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,

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

cc: J. L. Mathis (r)G. F. 5464

The undersigned operator waives objection to the applications of Phillips Petroleum Company to amend order DD-194 and for an unorthodox well location for the San Juan 32-7 Unit #240 well.

Owner Name: Burlington Resources Oil & Gas Company

By: Alan Alexander

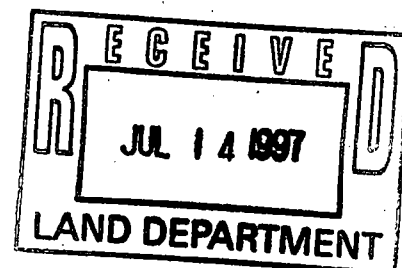
Title: Senior Land Advisor

Date: 8/14/97



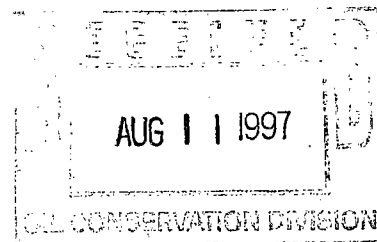
**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004



July 1, 1997

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



ATTN: PEGGY BRADFELD  
REGULATORY/COMPLIANCE ADMINISTRATOR

RE: **REQUEST FOR ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE**  
**SAN JUAN 32-7 UNIT #240**  
**NE/4 SECTION 19-T32N-R7W,**  
**SAN JUAN COUNTY, NEW MEXICO**  
**PHILLIPS' G. F. 5464**

Dear Ms. Bradfield:

Enclosed is a copy of Phillips' application for administrative approval of a directional wellbore project for the #240 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,

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

cc: J. L. Mathis (r)G. F. 5464

The undersigned operator waives objection to the application of Phillips Petroleum Company for a directional well project for the San Juan 32-7 Unit #240 well.

Owner Name: Burlington Resources Oil & Gas Company

By: Alan Anderson

Title: SA, Land Advisor

Date: 8/6/97

DD-PHIL.1

Rec: 7-8-97

Susp: 7-28-97

Released 7-28-97

28  
July 16, 1997

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

**Attention: Patrick H. Noah**

194  
**Administrative Order DD-\*\*\*\*\***

Dear Mr. Noah:

Under the provisions of Rules 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, Phillips Petroleum Company ("Phillips") made application to the New Mexico Oil Conservation Division on July 8, 1997 for authorization to directional drill its proposed San Juan "32-7" Unit Well No. 240 (API No. 30-045-29469), San Juan County, New Mexico.

**The Division Director Finds That:**

- (1) The operator proposes to locate said well at an unorthodox surface coal gas well location 1326 feet from the North line and 231 feet from the West line (Lot 2/Unit E) of Section 20, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, drill vertically to an approximate depth of 600 feet, kick-off in a west-southwesterly direction, and directionally drill to an estimated true vertical depth of 3,100 feet within the Basin-Fruitland Coal (Gas) Pool at a standard subsurface coal gas well location within the SE/4 NE/4 (Unit H) of Section 19, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico;
- (2) 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

7-28

subdivision inner boundary. Further, since the Basin-Fruitland Coal (Gas) Pool is a "non-prorated" gas pool, Division General Rule 104.D(3) applies, which limits gas spacing units to only one producing well therein;

- (3) Lots 9, 10, and 15, the N/2 NE/4, the SE/4 NE/4, and the E/2 SE/4 (E/2 equivalent) of said Section 19, being a standard 326.53-acre gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool, is to be dedicated to said well;
- (4) It is necessary for the operator to directionally drill the San Juan "32-7" Unit Well No. 240 in the above-described manner since a location within the E/2 equivalent of said Section 19 is not feasible due to extreme topographical conditions caused by the Los Pinos River arm of Navajo Lake;
- (5) The applicable drilling window or "producing area" for said wellbore should include that area within the SE/4 NE/4 (Unit H) of said Section 19 that is no closer than 790 feet to the quarter section line to the east, nor closer than 10 from any quarter-quarter section lines to the north, west, or south; 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 applicant, Phillips Petroleum Company ("Phillips") is hereby authorized to drill its San Juan "32-7" Unit Well No. 240 (API No. 30-045-29469), at an unorthodox surface coal gas well location 1326 feet from the North line and 231 feet from the West line (Lot 2/Unit E) of Section 20, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, and directionally drill in a west-southwesterly direction in such a manner as to bottom said well within the Basin-Fruitland Coal (Gas) Pool at a standard subsurface coal gas well location within the SE/4 NE/4 (Unit H) of Section 19, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, that is no closer than 790 feet to the quarter section line to the east, nor closer than 10 to any internal quarter-quarter section lines to the north, west, or south.

**PROVIDED HOWEVER THAT** 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.

**PROVIDED FURTHER THAT** 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.

(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) Lots 9, 10, and 15, the N/2 NE/4, the SE/4 NE/4, and the E/2 SE/4 (E/2 equivalent) of said Section 19, being a standard 326.53-acre gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool, is to be dedicated to said well;

(4) 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.

(5) 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.

(6) 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

S E A L

WJL/MES/kv

cc: Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington  
U. S. Bureau of Reclamation - Durango, Colorado



**Mike Stogner**

---

**From:** Frank Chavez  
**To:** Mike Stogner  
**Subject:** RE: San Juan "32-7" Unit #240  
**Date:** Monday, July 28, 1997 9:46AM

Looks OK

-----  
**From:** Mike Stogner  
**Sent:** Monday, July 28, 1997 7:43 AM  
**To:** Kathy Valdes  
**Cc:** Ernie Busch; Frank Chavez  
**Subject:** San Juan "32-7" Unit #240

Rough draft DD order for the (30-045-29469) in Secs. 19/20-T32N-R7W:

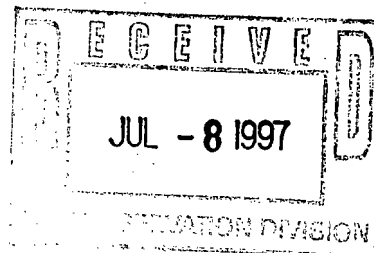


**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

July 1, 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 32-7 UNIT #240  
NE/4 SECTION 19-T32N-R7W,  
SAN JUAN COUNTY, NEW MEXICO  
PHILLIPS' G. F. 5464**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 32-7 Unit, requests administrative approval of a directional wellbore project for the San Juan 32-7 Unit #240 well.

The proposed bottomhole location in Section 19-T32N-R7W is beneath Navajo Lake. Due to these severe topographical conditions, a vertical well is not feasible. Phillips proposes to drill this well as a directional wellbore with a surface location of 231 feet from the west line and 1326 feet from the north line of Section 19-T32N-R7W.

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.

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.

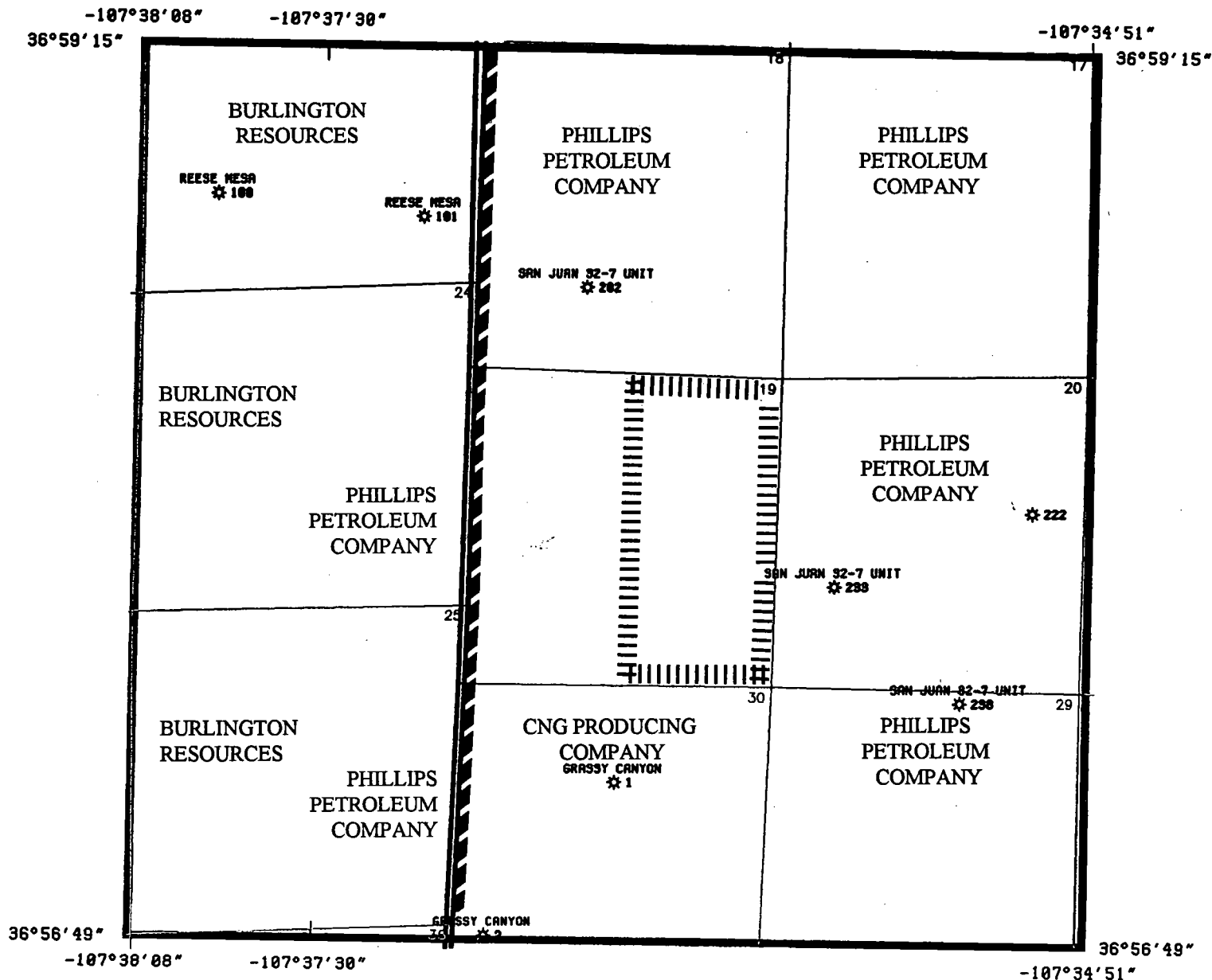
Very truly yours,

*Patrick H. Noah*

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

*DD-131-A  
DD-155*

cc: J. L. Mathis (r)G. F. 5464  
Ernie Busch - OCD, Aztec  
Burlington Resources Oil & Gas Company  
CNG Producing Company



SAN JUAN 32-7 UNIT NO. 240 BOTTOM HOLE LOCATION IS 1800 FEET FROM THE NORTH LINE AND 850 FEET FROM THE EAST LINE OF SECTION 19-T32N-R7W



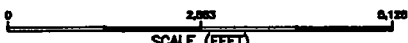
07410PHN 16:27 PHNORH USR00081



DRILLBLOCK FOR SAN JUAN 32-7 UNIT NO. 240



BOUNDARY OF SAN JUAN 32-7 UNIT

		<b>Phillips Petroleum Company</b>			
<b>AREA</b>					
<u>SAN JUAN 32-7 UNIT NO. 240</u>					
<u>NINE-SECTION PLAT OF OFFSETS</u>					
COUNTY <u>SAN JUAN</u>		STATE <u>NEW MEXICO</u>		JOB <u>07410PHN USR00081</u>	
SCALE <u>1" = 2500 FEET</u>					
					
SCALE (FEET)					

**San Juan 32-7 Unit #240**

**List of Offset Operators**

- 1) Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289
- 2) CNG Producing Company  
1450 Poydras Street  
New Orleans, LA 70012-6000

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 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

<sup>1</sup> API Number	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 009260	<sup>5</sup> Property Name SAN JUAN 32-7 UNIT	<sup>6</sup> Well Number 240
<sup>7</sup> OGRID No. 017654	<sup>8</sup> Operator Name PHILLIPS PETROLEUM COMPANY	<sup>9</sup> Elevation 6283

<sup>10</sup> Surface Location

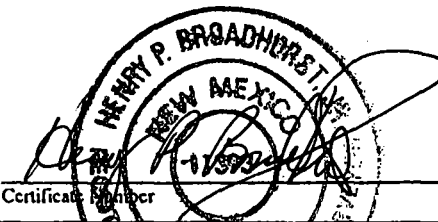
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	32N	7W		1326'	North	231'	West	San Juan

<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
H	19	32N	7W		1800'	North	850'	East	San Juan

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 2841.30'	1800.0'	2638.02'	1326.0'	2601.72' <i>1/D</i>	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Richard A. Allred Printed Name Drilling & Production Spvr. Title 6-24-97 Date
	Bottom Hole Location 850.0'		Surface <i>7/E</i> 231.0' Location		
	Section 19		Section 20		
		2624.16'			<sup>18</sup> SURVEYOR CERTIFICATION <i>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.</i> 04/17/97 Date of Survey Signature and Seal of Professional Surveyor: 
	3017.52'		2490.84'		Certificate Number

# PHILLIPS PETROLEUM

Structure : SEC.20-T32N-R7W Well : SAN JUAN 32-7 #240

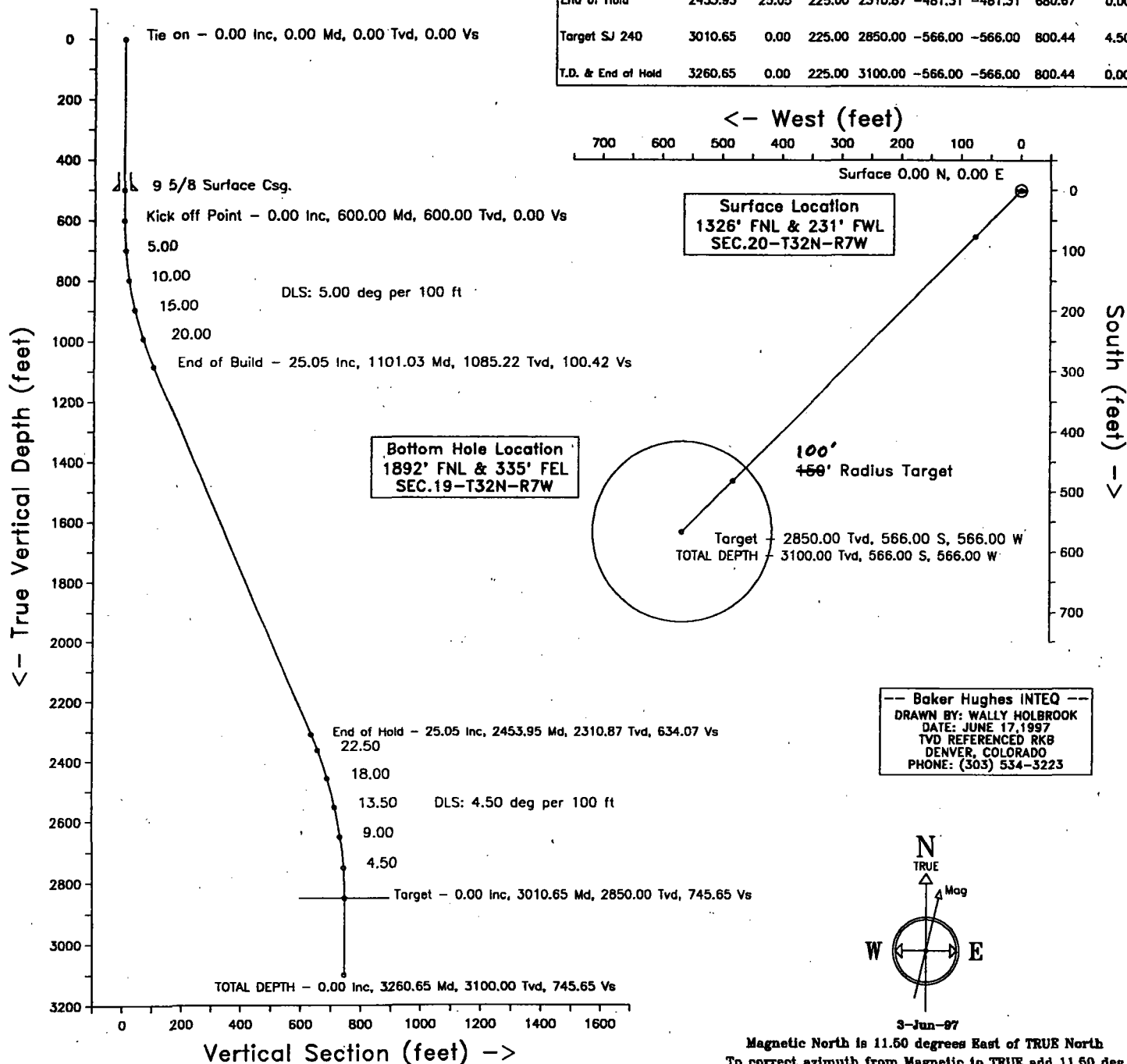
Field : SAN JUAN COUNTY

Location : NEW MEXICO



## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	225.00	600.00	0.00	0.00	0.00	0.00
End of Build	1101.03	25.05	225.00	1085.22	-76.22	-76.22	107.80	5.00
End of Hold	2453.95	25.05	225.00	2310.87	-481.31	-481.31	680.67	0.00
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T.D. & End of Hold	3260.65	0.00	225.00	3100.00	-566.00	-566.00	800.44	0.00



PHILLIPS PETROLEUM  
SEC.20-T32N-R7W

SAN JUAN 32-7 #240  
SLOT #1  
SAN JUAN COUNTY  
NEW MEXICO

P R O P O S A L L I S T I N G

by  
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3  
Our ref : prop2912  
License :

Date printed : 17-Jun-97  
Date created : 9-Jun-97  
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0  
Structure is centred on n36 59 13.300,w107 35 54.36

Slot location is n36 59 0.189,w107 35 51.513  
Slot Grid coordinates are N 2177306.294, E 568840.335  
Slot local coordinates are 1326.00 S 231.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866

Reference North is True North

PHILLIPS PETROLEUM  
SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 1  
Your ref : INITIAL PLAN, REV.#3  
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	225.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	225.00	500.00	0.00 N	0.00 E	0.00	0.00
600.00	0.00	225.00	600.00	0.00 N	0.00 E	0.00	0.00
700.00	5.00	225.00	699.87	3.08 S	3.08 W	5.00	4.36
800.00	10.00	225.00	798.99	12.31 S	12.31 W	5.00	17.41
900.00	15.00	225.00	896.58	27.61 S	27.61 W	5.00	39.05
1000.00	20.00	225.00	991.93	48.87 S	48.87 W	5.00	69.11
1100.00	25.00	225.00	1084.28	75.92 S	75.92 W	5.00	107.36
1101.03	25.05	225.00	1085.22	76.22 S	76.22 W	5.00	107.80
1500.00	25.05	225.00	1446.66	195.68 S	195.68 W	0.00	276.74
2000.00	25.05	225.00	1899.62	345.39 S	345.39 W	0.00	488.45
2453.95	25.05	225.00	2310.87	481.31 S	481.31 W	0.00	680.67
2510.65	22.50	225.00	2362.75	497.47 S	497.47 W	4.50	703.53
2610.65	18.00	225.00	2456.55	521.94 S	521.94 W	4.50	738.13
2710.65	13.50	225.00	2552.77	541.12 S	541.12 W	4.50	765.27
2810.65	9.00	225.00	2650.82	554.92 S	554.92 W	4.50	784.77
2910.65	4.50	225.00	2750.10	563.22 S	563.22 W	4.50	796.52
3010.65	0.00	225.00	2850.00	566.00 S	566.00 W	4.50	800.44 SJ 240
3260.65	0.00	225.00	3100.00	566.00 S	566.00 W	0.00	800.44 TOTAL DEPTH

All data is in feet unless otherwise stated.  
Coordinates from SLOT #1 and TVD from rotary table.  
Bottom hole distance is 800.44 on azimuth 225.00 degrees from wellhead.  
Vertical section is from wellhead on azimuth 225.00 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes INTEQ



PHILLIPS PETROLEUM  
 SEC.20-T32N-R7W,SAN JUAN 32-7 #240  
 SAN JUAN COUNTY,NEW MEXICO

PROPOSAL LISTING Page 2  
 Your ref : INITIAL PLAN, REV.#3  
 Last revised : 17-Jun-97

				Comments in wellpath
				=====
MD	TVD	Rectangular Coords.		Comment
-----				
3010.65	2850.00	566.00 S	566.00 W	SJ 240
3260.65	3100.00	566.00 S	566.00 W	TOTAL DEPTH

Casing positions in string 'A'								
Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E	9 5/8 Surfa

Targets associated with this wellpath				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
SJ 240		2850.00	566.00S 566.00W	9-Jun-97



# HIGH RESOLUTION SPECTRAL DENSITY LOG

COMPANY NORTHWEST PIPELINE CORP.

WELL SJ 32-7 NO. 203

FIELD BASIN FRUITLAND.

COUNTY SAN JUAN.

STATE NM

API NO.  
LOCATION  
1265 FNL AND 775 FEL.

OTHER SERVICES  
MICRO  
SDL-DSN II  
CSNG  
DIGL  
DSN II

SEC. 22 TWP 32N RGE 7W

PERMANENT DATUM G.L. ELEV. 6624  
LOG MEASURED FROM K.B. 16 FT. ABOVE PERM. DATUM  
DRILLING MEASURED FROM KELLY BUSHING

ELEV.: K.B. 6640  
D.F. 6639  
G.L. 6624

DATE	10/29/89			
RUN NO.	ONE			
DEPTH-DRILLER	3349			
DEPTH-LOGGER	3338			
BTM. LOG INTER.	3336			
TOP LOG INTER.	3200			
CASING-DRILLER	7.00 e3205	e	e	e
CASING-LOGGER	3204			
BIT SIZE	6.25			
TYPE FLUID IN HOLE	WATER			
DENS. : VISC	8.3 : N.A.	:	:	:
PH : FLUID LOSS	NA : NA	:	:	:
SOURCE OF SAMPLE	FLOWLINE			
RM e MEAS. TEMP.	2.05 e8	e	e	e
RMF e MEAS. TEMP.	NA eNA	e	e	e
RMC e MEAS. TEMP.	NA eNA	e	e	e
SOURCE RMF : RMC	MEAS : MEAS	:	:	:
RM e BHT	.92 e129	e	e	e
TIME SINCE CIRC.	7 1/2 HRS.			
TIME ON BOTTOM	17:27			
MAX. REC. TEMP.	129 eT.D.	e	e	e
EQUIP. : LOCATION	4550 : FARM.	:	:	:
RECORDED BY	G. FRISCH. G. BENZA.			
WITNESSED BY	J. VAUGHAN. R. HAWKS			

FILE COPY

SP

MV

100

Q SHORT

-4.5

0.5

Q LONG

4.5

-0.5

GAMMA RAY

0

GAPI

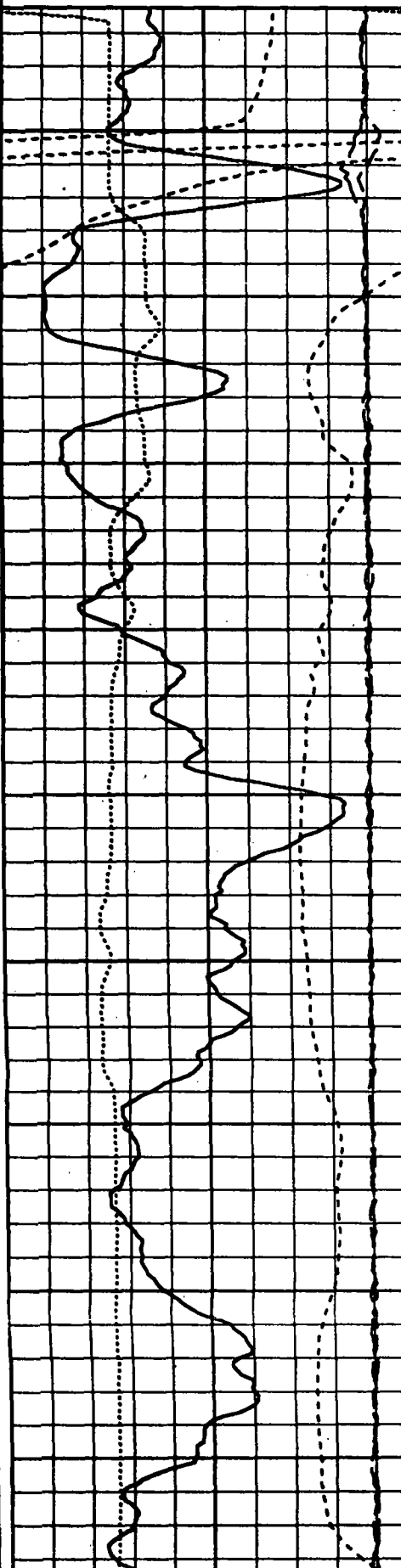
200

CALIPER

4

IN

14



3200.

Top. Coal  
3205'

San Juan 32-7 #203

(closest well with OH Logs)

PE

TENSION

0

10

10000

POUNDS

0

DEEP

DEN CORR

0

OHM-M

100

-0.25

GM/CC

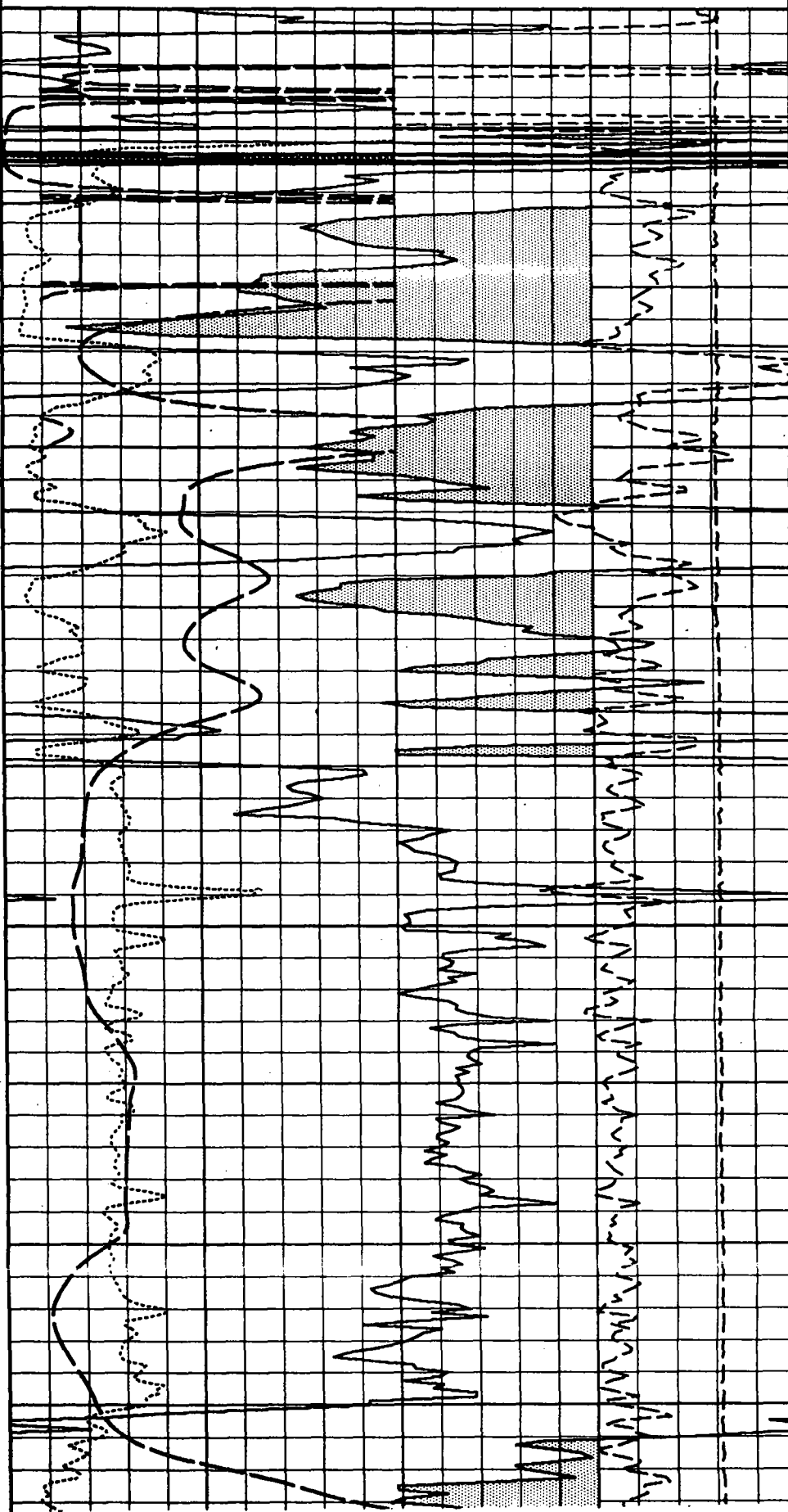
0.25

HIGH RES.

2

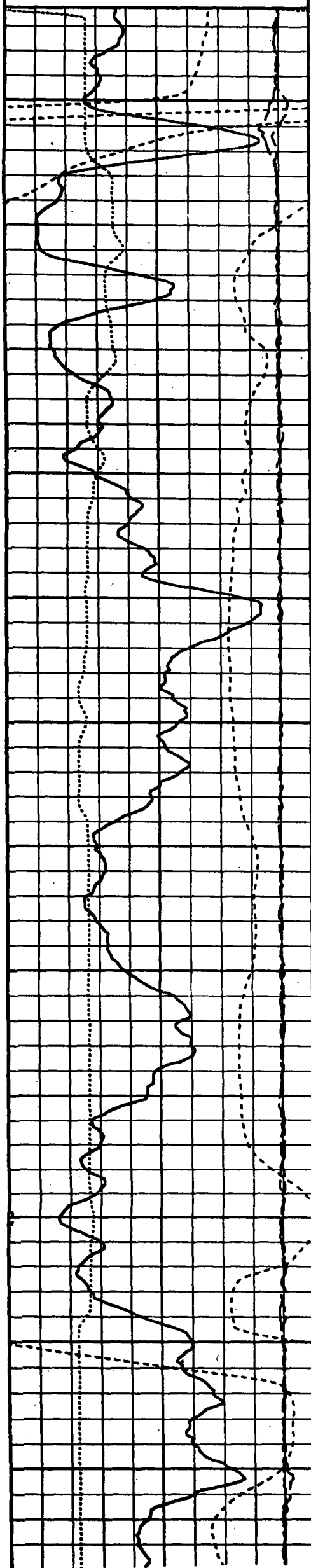
GM/CC

3



CALIPER

4 IN 14

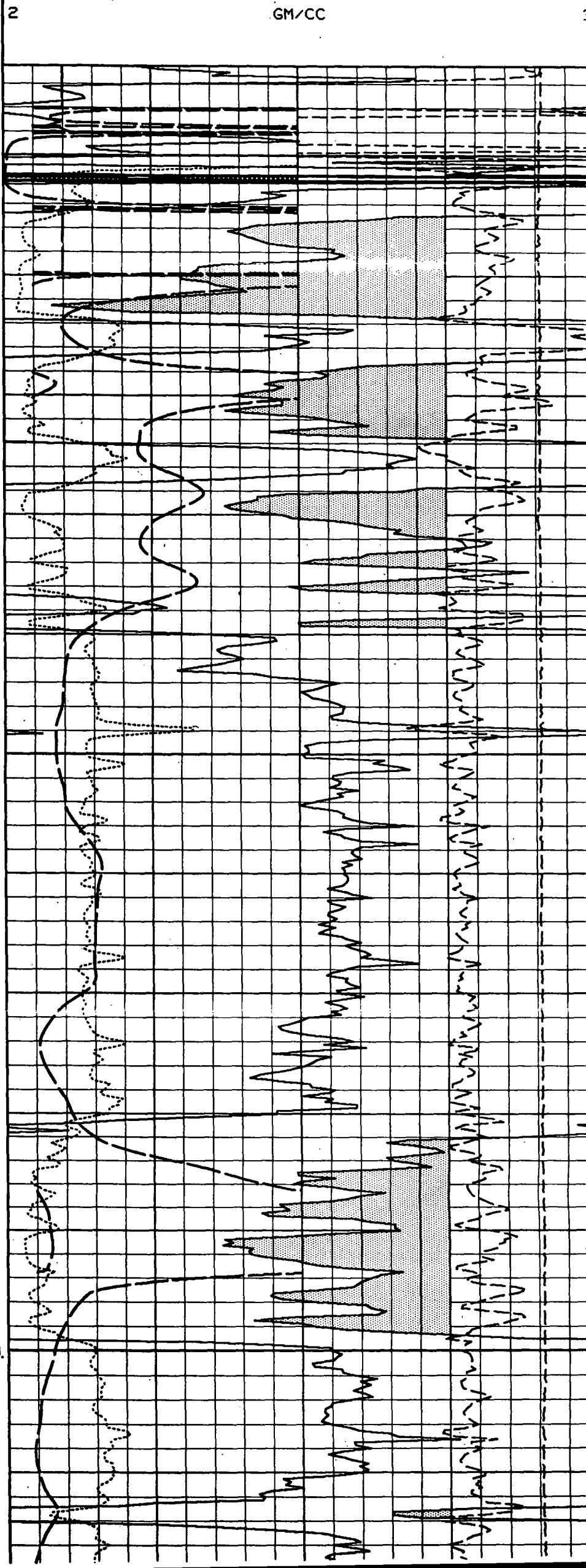


3200.

Base  
3300.  
3299'

HIGH RES.

GM/CC





# PETRO WIRELINE

P.O. BOX 2900 700 DUSTIN RD.  
FARMINGTON, NEW MEXICO 87499  
(505) 326-6669



GAMMA RAY  
CORRELATION  
LOG

COMPANY	WELL	FIELD	CNTY	STATE	COMPANY <u>PHILLIPS PETROLEUM</u>		
					WELL <u>SAN JAUN 32-7 #233</u>		
					FIELD <u>BASIN FRUITLAND COAL</u>		
					COUNTY <u>SAN JUAN</u> STATE <u>NM</u>		
LOCATION:					OTHER SERVICES:		
1691 FSL & 977 FWL					PERFORATE		
SEC. <u>20</u> TWP. <u>32N</u> RGE. <u>7W</u>							
PERM. DATUM <u>GROUND LEVEL</u> ELEV. <u>6291</u>					ELEV.: K.B. <u>6306</u>		
LOG MEASURED FROM <u>K.B. 25</u> FT. ABOVE PERMANENT DATUM					D.F. _____		
DRILLING MEASURED FROM <u>K.B.</u>					G.L. <u>6281</u>		
DATE		6-12-93					
RUN NO.		ONE					
DEPTH DRILLER		2915					
DEPTH LOGGER		2916					
BTM. LOG INTERVAL		2915					
TOP LOG INTERVAL		2600					
OPEN HOLE SIZE							
TYPE FLUID							
DENS.	VISC.						
MAX. REC. TEMP. °F							
EST. CEMENT TOP							
TIME WELL READY							
TIME LOGGER ON BTM.							
EQUIP. NO.		103					
LOCATION		FARMINGTON					
RECORDED BY		HUSKEY					
WITNESSED BY		DAVE GREEN					
BOREHOLE RECORD				TUBING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
CASING RECORD		SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING							
PROD. STRING							
LINER							

SJ327

FINISH DEPTH: 2596.0 FEET DIRECTION: UP DATE: 06/12/93 TIME: 19:09:31 MODE: TRACE PLAYB

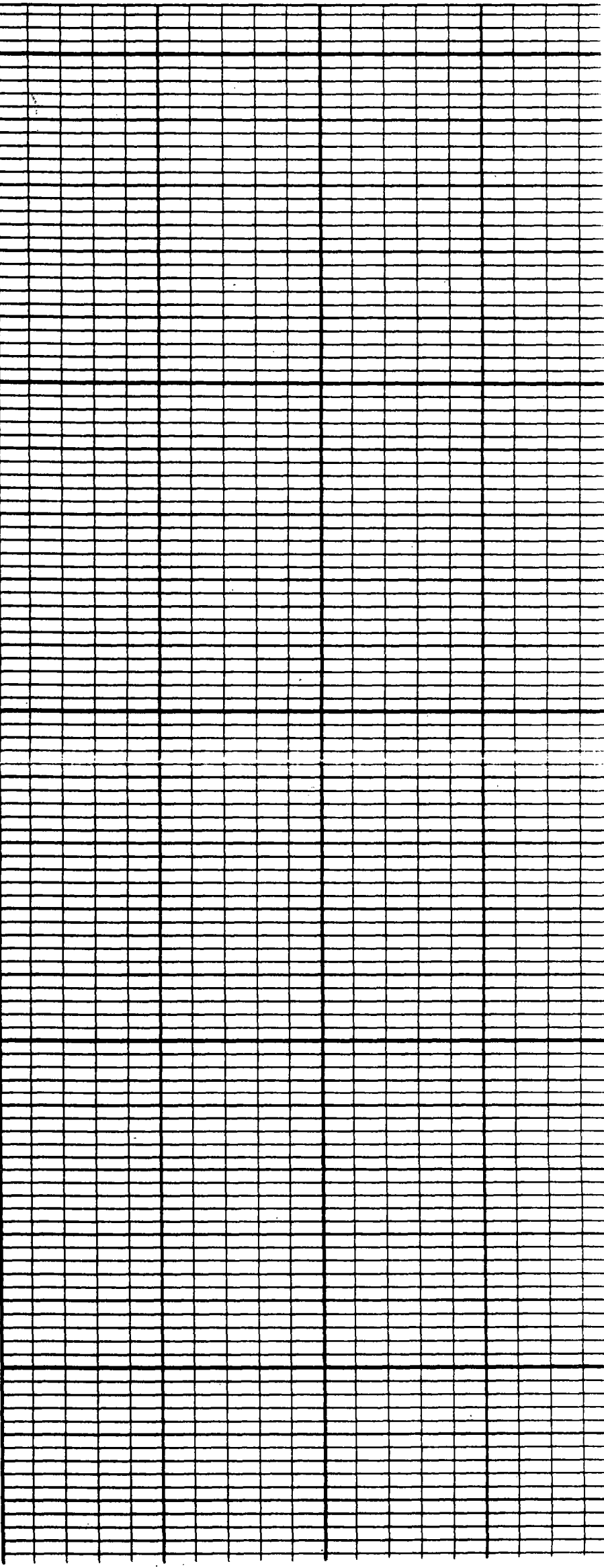
COLLAR LOCATOR  
-2300 MILLIVOLTS 300  
GAMMA RAY  
0 API 180

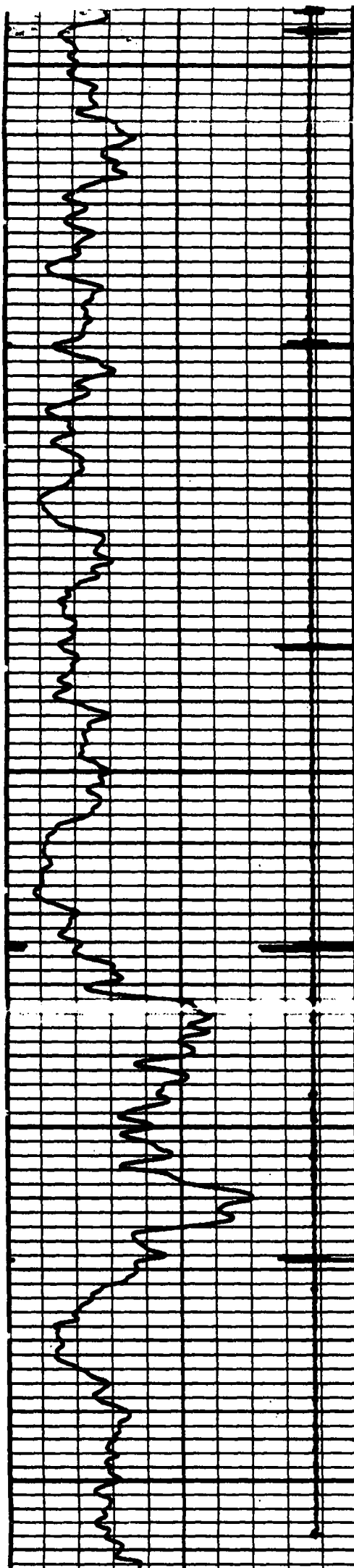


2600

2700

2800





2700

2800

Top  
Coal  
2868'

2900

Perforated Interval

GAMMA RAY

0 API 180

COLLAR LOCATOR

-2300 MILLIVOLTS 300

START

DEPTH: 2916.2 FEET

DIRECTION: UP

DATE: 08/12/93

TIME: 18:59:17

MODE: TRACE PLAYBACK

SJ327

VERSION: 2.10

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/16/97 13:39:04  
OGOMES -EMD6  
PAGE NO: 1

Sec : 19 Twp : 32N Rng : 07W Section Type : NORMAL

6 40.45  Federal owned U	5 42.14  Federal owned U	B 40.00  Federal owned U	A 40.00  Federal owned U
7 40.43  Federal owned U	8 42.12  Federal owned U	9 42.16  Federal owned U	H 40.00  Federal owned U

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

120.00  
42.16  
162.16



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/16/97 13:39:09  
OGOMES -BMD6  
PAGE NO: 2

Sec : 19 Twp : 32N Rng : 07W Section Type : NORMAL

12 40.36  Federal owned U	11 42.02  Federal owned U	10 41.99  Federal owned U	I 40.00  Federal owned U
13 40.59  Federal owned U	14 42.26  Federal owned U	15 42.38  Federal owned U	P 40.00  Federal owned U

PF01 HELP    PF02    PF03 EXIT    PF04 GOTO    PF05    PF06  
PF07 BKWD    PF08 FWD    PF09 PRINT    PF10 SDIV    PF11    PF12

11  
81.99  
82.38  
164.37  
162.16  
326.53

CMD : ONGARD 07/16/97 13:54:56  
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -EMD6

OGRID Idn : 17654 API Well No: 30 45 29469 APD Status(A/C/P): A  
Opr Name, Addr: PHILLIPS PETROLEUM CO NW Aprvl/Cncl Date : 07-10-1997  
5525 HWY 64 NBU 3004  
FARMINGTON,NM 87401

Prop Idn: 9260 SAN JUAN 32 7 UNIT Well No: 240

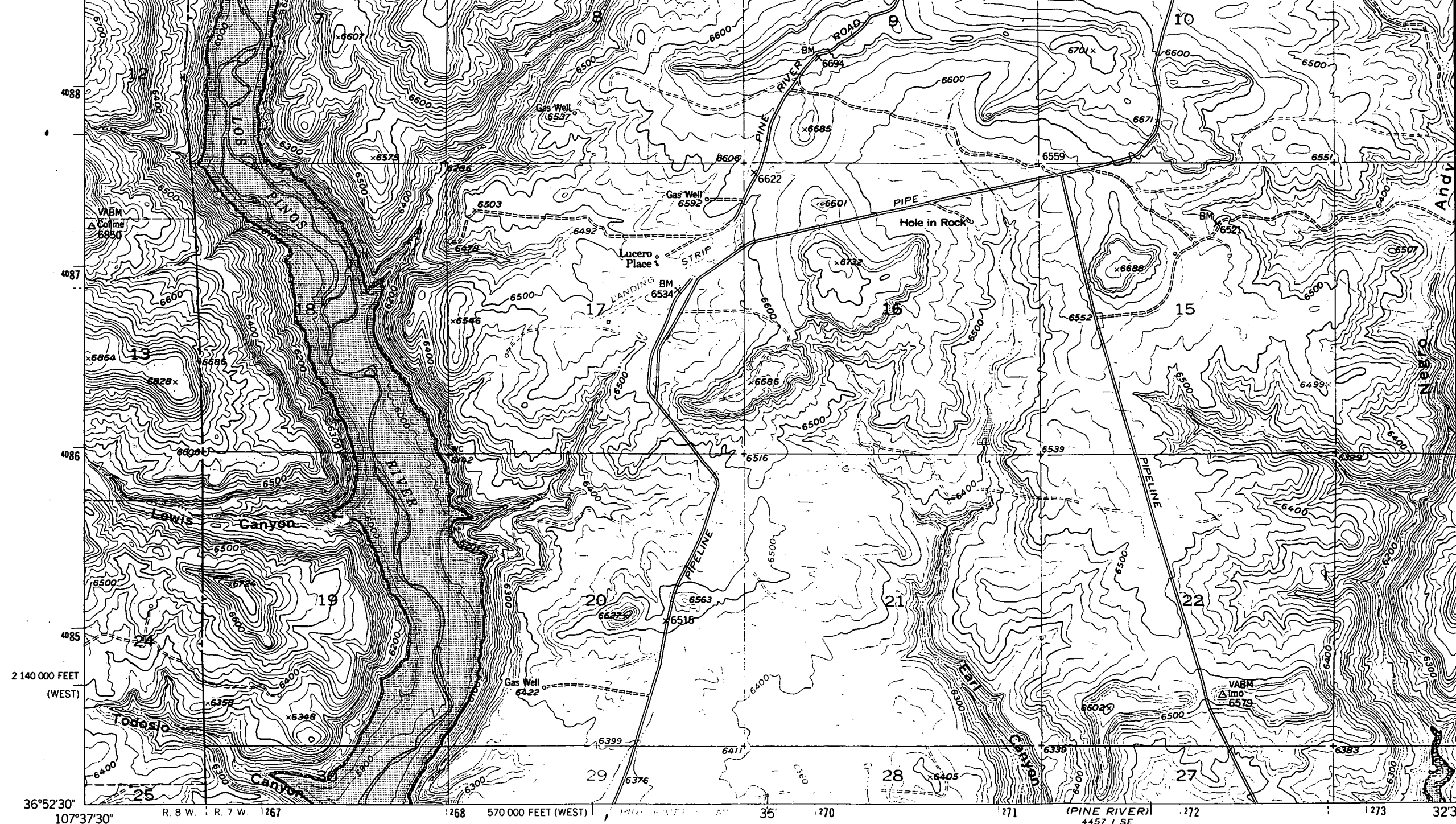
	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	2	20	32N	07W			FTG 1326 F N	FTG 231 F W
OCD U/L :	E		API	County :	45			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/I): P Ground Level Elevation : 6283

State Lease No: Multiple Comp (Y/N) : N  
Prpsd Depth : 3260 Prpsd Frmtn : BASIN FT COAL

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12



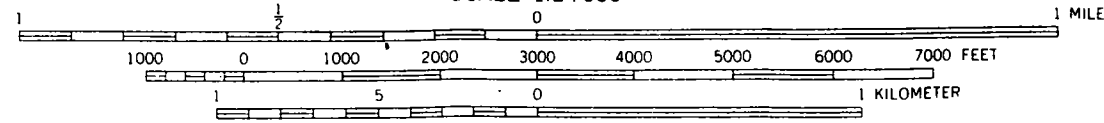
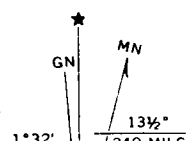
4457 I  
(NAVAJO DAM)  
1:62,500

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from  
aerial photographs taken 1950. Field check 1954

Polyconic projection. 1927 North American datum



CONTOUR INTERVAL 20 FEET

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/16/97 13:54:43  
OGOMES -EMD6  
PAGE NO: 1

Sec : 20 Twp : 32N Rng : 07W Section Type : NORMAL

1 37.66  Federal owned U	C 40.00  Federal owned U	B 40.00  Federal owned U	A 40.00  Federal owned U A
2 37.07  Federal owned U A	F 40.00  Federal owned U	G 40.00  Federal owned U	H 40.00  Federal owned U A A

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/16/97 14:09:11  
OGOMES -EMD6  
PAGE NO: 2

Sec : 20 Twp : 32N Rng : 07W Section Type : NORMAL

3 36.26  Federal owned U A	4 33.52  Federal owned U	5 35.00  Federal owned U	I 40.00  Federal owned U
M 40.00  Federal owned U	7 32.47  Federal owned U	6 35.55  Federal owned U	P 40.00  Federal owned U

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG6WELL

ONGARD  
INQUIRE WELL DETAILS

07/28/97 07:33:40  
OGOMES -EMGF

API Well No: 30 45 29469 Eff Date : 07-10-1997 APD Status : A  
OGRID Idn : 17654 PHILLIPS PETROLEUM CO NW  
Prop Idn : 9260 SAN JUAN 32 7 UNIT  
Well No : 240

	U/L	Sec	Township	Range	North/South	East/West	Lot	Idn
	---	---	---	---	-----	-----	---	---
Surface Locn :	2	20	32N	07W	FTG 1326 F N	FTG 231 F W		
API County :	45	San Juan						

Well type : G Ground Level Elevn : 6283 Cable/Rotary : R  
Lease type : P State Lease Number :

Prpsd Depth : 3260 Prpsd Formation : BASIN FT COAL

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 IWCM	PF11 HISTORY	PF12 NXTREC

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/28/97 07:36:16  
OGOMES -EMGF  
PAGE NO: 1

Sec : 19 Twp : 32N Rng : 07W Section Type : NORMAL

6 40.45  Federal owned U	5 42.14  Federal owned U	B 40.00  Federal owned U	A 40.00  Federal owned U
7 40.43  Federal owned U	8 42.12  Federal owned U	9 42.16  Federal owned U	H 40.00  Federal owned U

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/28/97 07:36:23  
OGOMES -EMGF  
PAGE NO: 2

Sec : 19 Twp : 32N Rng : 07W Section Type : NORMAL

12 40.36  Federal owned U	11 42.02  Federal owned U	10 41.99  Federal owned U	I 40.00  Federal owned U
13 40.59  Federal owned U	14 42.26  Federal owned U	15 42.38  Federal owned U	P 40.00  Federal owned U

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12