

Ernie Busch

To: Mike Stogner
Subject: PHILLIPS PETROLEUM CO SAN JUAN 32-8 UNIT #5 (NSBHL)
Importance: High

SAN JUAN 32-8 UNIT #5
1299' FSL;1529' FWL
N-10-31N-08W
RECOMMEND: APPROVAL

[illegible]



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

November 1, 1996

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

RECEIVED
NOV - 5 1996

OIL CON. DIV.
DIST. 3

ATTN: MR. WILLIAM J. LEMAY

**RE: EXCEPTION FOR UNORTHODOX LOCATION AND FIELD RULES AND
ADMINISTRATIVE APPROVAL OF INTENTIONAL WELL DEVIATION
SAN JUAN 32-8 UNIT #5 WELL
SW/4 SECTION 10-T31N-R8W,
SAN JUAN COUNTY, NEW MEXICO
PHILLIPS' G.F.-5465, LCN 650117**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as Operator of the San Juan 32-8 Unit, requests administrative approval of the unorthodox location of the above-described #5 Well due to intentional deviation of the well.

The San Juan 32-8 Unit #5 Well was originally drilled in 1953 and completed as a Blanco Mesaverde Pool well. Enclosed is a copy of the original plats for this well which indicate the original location of 1160' FSL and 1700' FWL.

Phillips has abandoned the existing Blanco Mesaverde interval in this well, sidetracked and completed in the Blanco Mesaverde at a bottom-hole location of 1298' FSL and 1529' FWL Section 10-T31N-R8W. Enclosed are three copies of a new well location and acreage dedication plat and sub-surface directional survey confirming the well's bottom-hole location.

No offset notification of this request is required, as all offset Blanco Mesaverde spacing units are within the boundaries of the San Juan 32-8 Unit.

Please advise if additional information is required.

Very truly yours,

Patrick H. Noah

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

cc: J.L. Mathis (r) G.F. 5465
Ernie Busch-OCD, Aztec

Gas Well Plat

at file

Name of Producing Formation Mesa Verde Pool Blanco

SECTION 10 TOWNSHIP 31N RANGE 8W

USDI	10	USDI	
PACIFIC NORTHWEST PIPELINE CORP.			
	X		

RECEIVED
NOV - 5 1996
OIL CON. DIV
DIST. 3

Name Original signed by T. A. Dugan
Position District Engineer
Representing PACIFIC NORTHWEST PIPELINE CORP.
Address 4132w, Main, Farmington, New Mexico

(over)

U. S. 3.3 -1
B'ville -1
Region -1
File -1

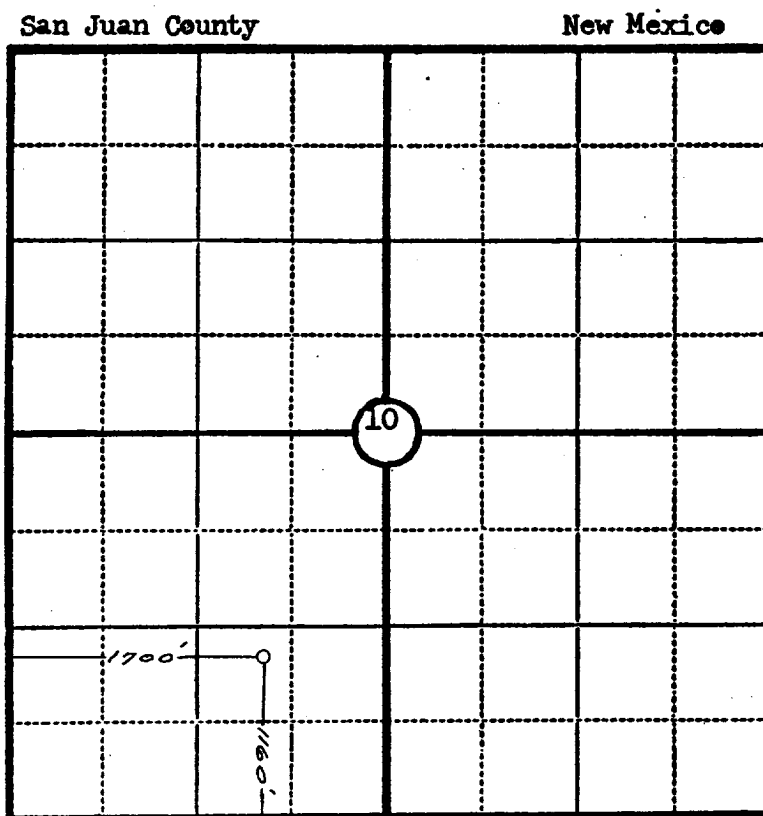
Company..... Phillips Petroleum Company

Lease..... Well No.....

Sec..... 10, T..... 31 N., R. 8 W., N.M.P.M.

Location..... 1160' from the South line and 1700' from
the West line.

Elevation 6643 Ungraded ground.



REF
SEP 1, 1953
U. S. SURVEY
FARM, N. M.

Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Registered Professional
Engineer and Land Surveyor.

Ernest V. Echohawk
N. Mex. Reg. No. 1545

Surveyed September 10, 19 53

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 30-045-1-850		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 009261		5 Property Name San Juan 32-8 Unit			6 Well Number #5
7 OGRID No. 017654		8 Operator Name Phillips Petroleum Company			9 Elevation 6643' GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	10	31N	8W		1160	South	1700	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
N	10	31N	8W		1298.5	South	1529	West	San Juan

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 acrs.	N	U	

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 SF-079004 Bottomhole location Original location 1529' 1700' 1160' 1298.5'	17 OPERATOR CERTIFICATION 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 Prod. Superintendent Title 11-4-96 Date
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. October 13, 1996 Date of Survey Signature and Seal of Professional Surveyer: Certificate Number



1700 Broadway Suite 1450 Denver Colorado 80290
(303) 860-0509 Fax (303) 830-2546

REPORT OF SUB-SURFACE DIRECTIONAL SURVEY

Phillips Petroleum
COMPANY

San Juan Unit 32-8 #5
WELL NAME

San Juan County, New Mexico
LOCATION

JOB NUMBER
410-80548

TYPE OF SURVEY
MSS

DATE
October 13, 1996

SURVEYED BY
Max Lund

OFFICE
DENVER



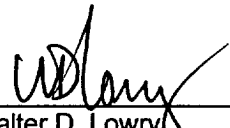
1700 Broadway Suite 1450 Denver Colorado 80290
(303) 860-0509 Fax (303) 830-2546

SURVEY CERTIFICATION SHEET

<u>Phillips Petroleum</u>	<u>410-80548</u>	<u>October 13, 1996</u>
Company	Job #	Date
<u>Sec-10-T32N-R8W</u>	<u>San Juan Unit 32-8 #5</u>	<u>San Juan County, New Mexico</u>
Lease	Well #	County and State

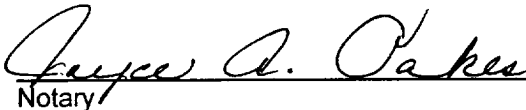
Surveyed from a depth of 4,003 feet to 4,359 feet MD
Type of Survey MSS
Directional Supervisor/Surveyor Max Lund

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Baker Hughes INTEQ. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site. Wellbore Coordinates are calculated using minimum curvature.



Walter D. Lowry
Sr. Drilling Engineer

This document has been subscribed and affirmed, or sworn to before me in the county of Denver, state of Colorado, this 22nd day of October, 1996.



Notary My commission expires August 4, 2000

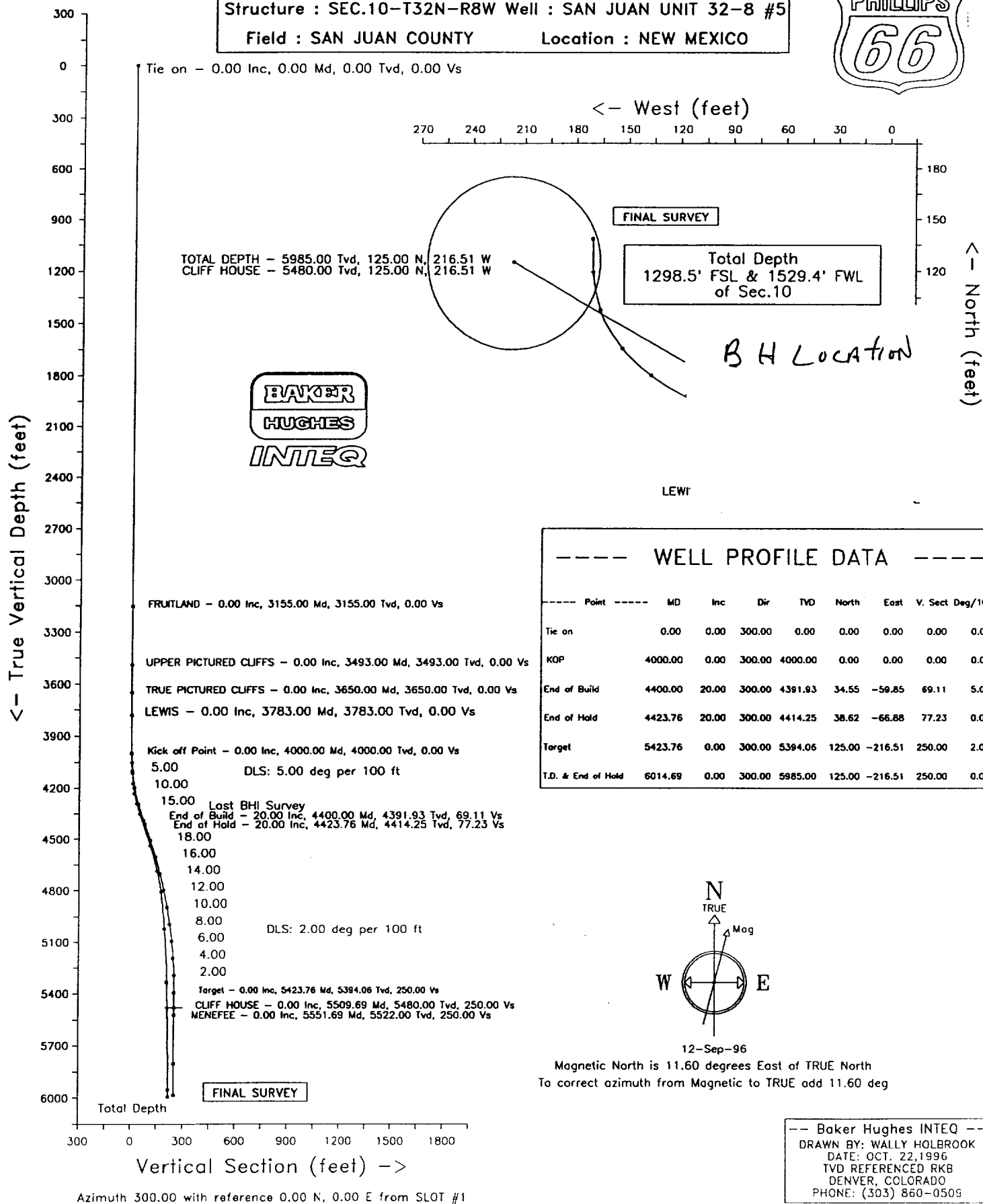
Certification Number: 431
Certification Date: October 22, 1996

PHILLIPS PETROLEUM

Structure : SEC.10-T32N-R8W Well : SAN JUAN UNIT 32-8 #5

Field : SAN JUAN COUNTY

Location : NEW MEXICO



PHILLIPS PETROLEUM
SEC.10-T32N-R8W

SAN JUAN UNIT 32-8 #5
SLOT #1
SAN JUAN COUNTY
NEW MEXICO

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : Single Shot Survey
Our ref : svy3753
License :

Date printed : 22-Oct-96
Date created : 14-Oct-96
Last revised : 22-Oct-96

Field is centred on n36 50 0.000,w107 30 0
Structure is centred on n36 58 22.005,w107 39 54.002

Slot location is n36 58 33.474,w107 39 33.053
Slot Grid coordinates are N 2174566.023, E 550871.083
Slot local coordinates are 1160.00 N 1700.00 E

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

Reference North is True North

PHILLIPS PETROLEUM

SEC. 10-T32N-R8W, SAN JUAN UNIT 32-8 #5
SAN JUAN COUNTY, NEW MEXICO

SURVEY LISTING

Page 1

Your ref : Single Shot Survey
Last revised : 22-Oct-96

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	0.00	0.00	0.00 E	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00 E	0.00	0.00
4052.00	1.21	269.30	4052.00	0.01 S	2.33	0.47
4114.00	3.74	305.10	4113.94	1.15 N	4.59	3.05
4173.00	7.00	304.60	4172.67	4.30 N	5.53	8.55
4235.00	10.50	282.60	4233.95	7.68 N	7.71	17.71
4297.00	14.75	286.60	4294.44	11.17 N	6.99	30.79
4359.00	19.00	291.60	4353.76	17.14 N	7.24	48.46
4553.00	17.50	293.60	4538.00	40.44 N	0.84	108.69
4708.00	12.50	307.60	4687.72	60.03 N	3.96	148.52
4832.00	8.75	321.60	4809.59	75.61 N	3.65	170.60
5047.00	5.25	343.60	5022.99	97.88 N	2.02	192.94
5359.00	2.75	359.40	5334.22	119.06 N	0.87	207.09
5979.00	0.75	359.40	5953.90	137.99 N	0.32	216.72
6020.00	0.75	359.40	5994.89	138.53 N	0.00	217.00

Last BHI Survey

Total Depth is

1298.5' FSL & 1529.4' FWL

All data is in feet unless otherwise stated.

Coordinates from SLOT #1 and TVD from RKB (6650.00 Ft above mean sea level).

Bottom hole distance is 219.75 on azimuth 309.08 degrees from wellhead.

Vertical section is from wellhead on azimuth 300.00 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

Comments in wellpath

=====

MD	TVD	Rectangular Coords.	Comment
4359.00	4353.76	17.14 N	46.06 W Last BHI Survey
5979.00	5953.90	137.99 N	170.58 W Total Depth is
6020.00	5994.89	138.53 N	170.59 W 1298.5' FSL & 1529.4' FWL

Targets associated with this wellpath

=====

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
CLIFF HOUSE 32-8 #5		5480.00	125.00N	216.51W
				16-Aug-96



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

November 1, 1996

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

RECEIVED
NOV - 5 1996

ATTN: MR. WILLIAM J. LEMAY

OIL CON. DIV.
DIST. 3

**RE: EXCEPTION FOR UNORTHODOX LOCATION AND FIELD RULES AND
ADMINISTRATIVE APPROVAL OF INTENTIONAL WELL DEVIATION
SAN JUAN 32-8 UNIT #20 WELL
SW/4 SECTION 4-T31N-R8W,
SAN JUAN COUNTY, NEW MEXICO
PHILLIPS' G.F.-5465, LCN 650120**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as Operator of the San Juan 32-8 Unit, requests administrative approval of the unorthodox location of the above-described #20 Well due to intentional deviation of the well.

The San Juan 32-8 Unit #20 Well was originally drilled in 1957 and completed as a Blanco Mesaverde Pool well. Enclosed is a copy of the original plat for this well which indicates the original location of 1560' FSL and 910' FWL.

Phillips has abandoned the existing Blanco Mesaverde interval in this well, sidetracked and completed in the Blanco Mesaverde at a bottom-hole location of 1224' FSL and 1238' FWL Section 10-T31N-R8W. Enclosed are three copies of a new well location and acreage dedication plat and sub-surface directional survey confirming the well's bottom-hole location.

Copies of this request are being sent to the following offset owners:

<u>Operator Name</u>	<u>Offsetting Well</u>	<u>Location</u>
Burlington Resources	Rattlesnake Canyon #1A	E/2 Section 32-T32N-R8W
Vastar Resources Inc.	Blanco #1, #1A	E/2 Section 5-T31N-R8W
Burlington Resources	Oxnard #3	E/2 Section 8-T31N-R8W

No additional offset notifications of this request are required, as all other offset Blanco Mesaverde spacing units are within the boundaries of the San Juan 32-8 Unit.

Please advise if additional information is required.

Very truly yours,

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

cc: J.L. Mathis (r) G.F. 5465
Ernie Busch-OCD, Aztec
Vastar Resources, Inc.
Burlington Resources

NEW MEXICO
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat

Date April 22, 1957

Operator Pacific Northwest Pipeline Corporation Lease 32-8

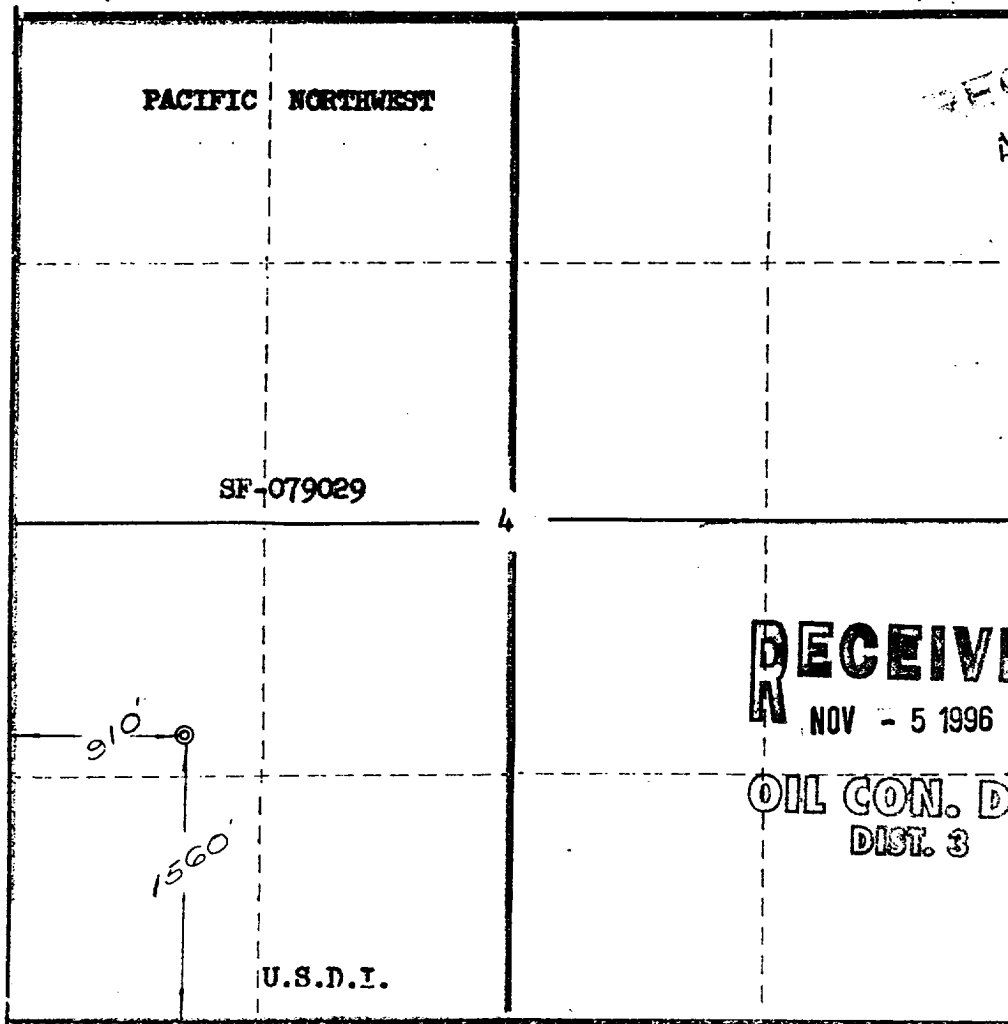
Well No. 20-4 Section 4 Township 31 North Range 8 West NMPM

Located 1560 Feet From South Line, 910 Feet From West Line,

San Juan County, New Mexico. G. L. Elevation 6446

Name of Producing Formation Mesa Verde Pool Blanco Dedicated Acreage 320.57

(Note: All distances must be from outer boundaries of Section)



NOTE

This section of
form is to be
used for gas
wells only.

SCALE: 1" = 1000'

1. Is this Well a Dual Comp. ? Yes No
2. If the answer to Question 1 is yes, are there any other
dually completed wells within the dedicated acreage?
Yes No

Name Original signed by T. A. Dugan
Position Assistant Division Manager
Representing PACIFIC NORTHWEST PIPELINE CORP.
Address 405 1/2 W. Broadway, Farmington, N.M.

This is to certify that the above plat was prepared
from field notes of actual surveys made by Ernest V. Echohawk
under my supervision and that the same are true and
correct to the best of my knowledge and belief.

Date Surveyed December 18, 1956

Ernest V. Echohawk
Reg. Land Surveyor, N. Mex., Reg. No. 1545

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 30-045-11025		1 Pool Code 72319		1 Pool Name Blanco Mesaverde		
4 Property Code 009261		4 Property Name San Juan 32-8 Unit			4 Well Number #20	
7 OGRID No. 017654		7 Operator Name Phillips Petroleum Company			7 Elevation 6446'	

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
L	4	31N	8W		1560	South	910	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
L	4	31N	8W		1224	South	1238	West	San Juan

12 Dedicated Acres 320 acr	13 Joint or Infill Y	14 Consolidation Code U	15 Order No.
-------------------------------	-------------------------	----------------------------	--------------

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

16 SF-079029 	17 OPERATOR CERTIFICATION 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 Prod. Superintendent Title 11-4-96 Date
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. October 3, 1996 Date of Survey Signature and Seal of Professional Surveyer: Certificate Number



1700 Broadway Suite 1450 Denver Colorado 80290
(303) 860-0509 Fax (303) 830-2546

REPORT OF SUB-SURFACE DIRECTIONAL SURVEY

Phillips Petroleum
COMPANY

San Juan Unit 32-8 #20
WELL NAME

San Juan County, New Mexico
LOCATION

JOB NUMBER
410-80532

TYPE OF SURVEY
MSS

DATE
October 3, 1996

SURVEYED BY
Butch Judge

OFFICE
DENVER



1700 Broadway Suite 1450 Denver Colorado 80290
(303) 860-0509 Fax (303) 830-2546

SURVEY CERTIFICATION SHEET

Phillips Petroleum

Company

Sec-4-T31N-R8W

Lease

410-80532

Job #

San Juan Unit 32-8 #20

Well #

October 3, 1996

Date

San Juan County, New Mexico

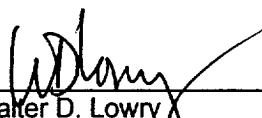
County and State

Surveyed from a depth of 3,503 feet to 3,736 feet MD

Type of Survey MSS

Directional Supervisor/Surveyor Butch Judge

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Baker Hughes INTEQ. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site. Wellbore Coordinates are calculated using minimum curvature.



Walter D. Lowry
Sr. Drilling Engineer

This document has been subscribed and affirmed, or sworn to before me in the county of Denver, state of Colorado, this 22nd day of October, 1996.



Notary My commission expires August 4, 2000

Certification Number: 430
Certification Date: October 22, 1996

PHILLIPS PETROLEUM

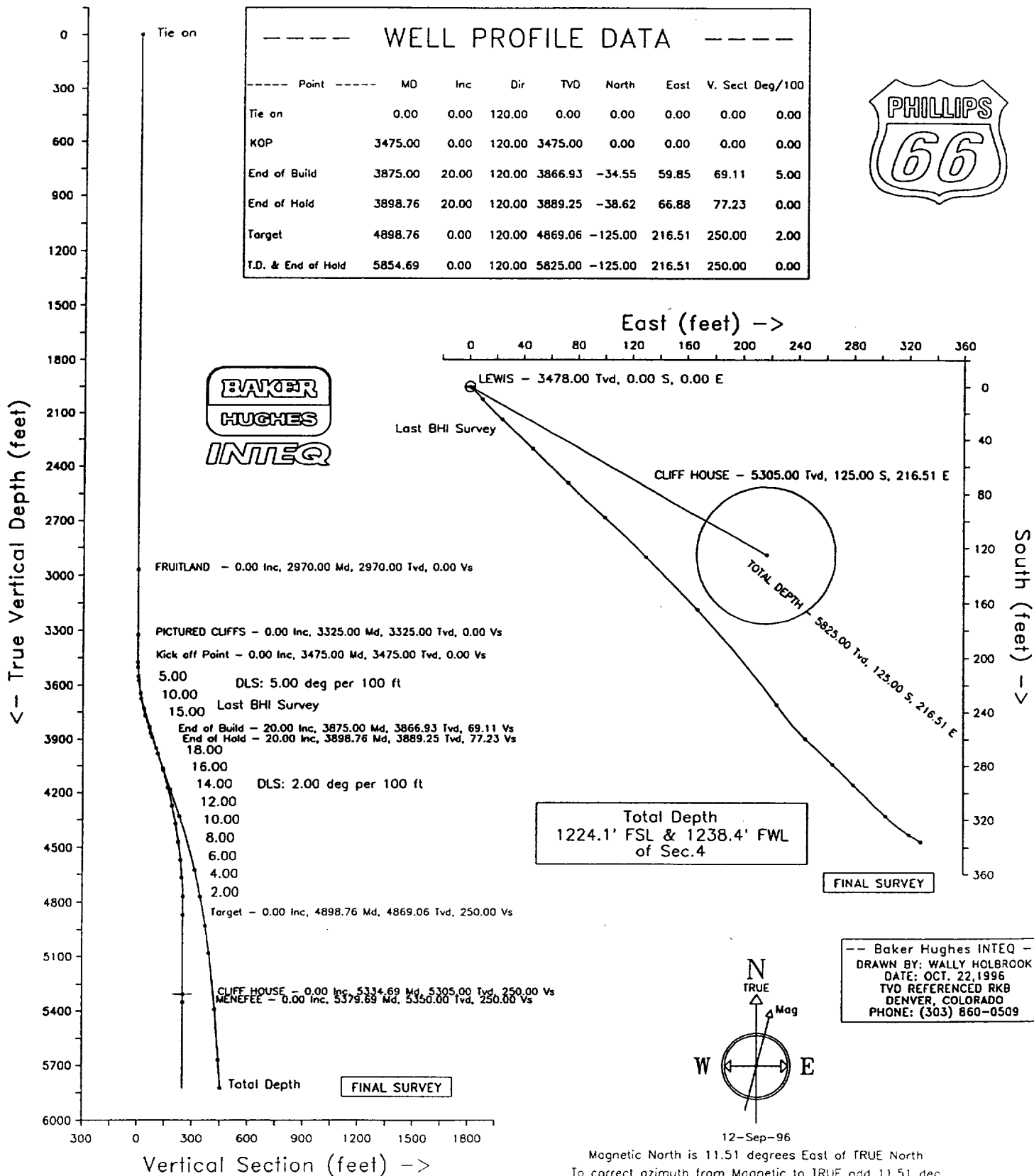
Structure : SEC.4-T31N-R8W Well : SAN JUAN UNIT 32-8 #20

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	120.00	0.00	0.00	0.00	0.00	0.00
KOP	3475.00	0.00	120.00	3475.00	0.00	0.00	0.00	0.00
End of Build	3875.00	20.00	120.00	3866.93	-34.55	59.85	69.11	5.00
End of Hold	3898.76	20.00	120.00	3889.25	-38.62	66.88	77.23	0.00
Target	4898.76	0.00	120.00	4869.06	-125.00	216.51	250.00	2.00
T.D. & End of Hold	5854.69	0.00	120.00	5825.00	-125.00	216.51	250.00	0.00



Azimuth 120.00 with reference 0.00 N, 0.00 E from SLOT #1

Magnetic North is 11.51 degrees East of TRUE North
To correct azimuth from Magnetic to TRUE add 11.51 deg

PHILLIPS PETROLEUM
SEC.4-T31N-R8W

SAN JUAN UNIT 32-8 #20
SLOT #1
SAN JUAN COUNTY
NEW MEXICO

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : Single Shot Surveys
Our ref : svy3746
License :

Date printed : 22-Oct-96
Date created : 3-Oct-96
Last revised : 22-Oct-96

Field is centred on n36 50 0.000,w107 30 0
Structure is centred on n36 50 0.000,w107 30 0

Slot location is n36 50 15.425,w107 29 48.806
Slot Grid coordinates are N 2124326.988, E 598455.086
Slot local coordinates are 1560.00 N 910.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866
Reference North is True North

PHILLIPS PETROLEUM

SEC. 4-T31N-R8W, SAN JUAN UNIT 32-8 #20
SAN JUAN COUNTY, NEW MEXICO

SURVEY LISTING Page 1
Your ref : Single Shot Surveys
Last revised : 22-Oct-96

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	0.00	0.00	0.00 E	0.00	0.00
3503.00	0.00	120.00	3503.00	0.00 E	0.00	0.00
3553.00	4.00	130.00	3552.96	1.12 S	8.00	1.72
3646.00	10.50	140.00	3645.17	9.71 S	7.09	12.89
3736.00	17.00	134.00	3732.55	25.15 S	7.38	33.38
						Last BHI Survey
3842.00	17.50	134.50	3833.78	47.08 S	0.49	63.85
3965.00	17.00	133.50	3951.25	72.42 S	0.47	99.24
4086.00	19.00	132.50	4066.32	97.91 S	1.67	135.67
4210.00	20.00	134.50	4183.21	126.41 S	0.97	175.91
4367.00	20.00	137.50	4330.74	165.02 S	0.65	227.51
4676.00	14.00	145.50	4626.15	234.86 S	2.08	311.73
4826.00	11.00	133.50	4772.60	259.67 S	2.64	342.03
4985.00	9.00	135.50	4929.17	278.99 S	1.28	368.77
5140.00	7.00	135.50	5082.66	294.37 S	1.29	389.56
5451.00	5.00	133.50	5391.94	317.22 S	0.65	421.00
5730.00	4.00	122.50	5670.08	330.82 S	0.47	442.54
5885.00	3.25	119.50	5824.77	335.89 S	0.50	452.34
						Total Depth is
						452.34 1224.1' FSL & 1238.4' FWL

All data is in feet unless otherwise stated.

Coordinates from SLOT #1 and TVD from RKB (6458.00 Ft above mean sea level).
Bottom hole distance is 469.75 on azimuth 135.65 degrees from wellhead.

Vertical section is from wellhead on azimuth 120.00 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

Comments in wellpath			
=====			
MD	TVD	Rectangular Coords.	Comment
3736.00	3732.55	25.15 S 24.03 E	Last BHI Survey
5730.00	5670.08	330.82 S 320.01 E	Total Depth is
5885.00	5824.77	335.89 S 328.39 E	1224.1' FSL & 1238.4' FWL
Targets associated with this wellpath			
=====			
Target name	Geographic Location	T.V.D.	Rectangular Coordinates Revised
TGT 32-8 #20		5305.00	125.00S 216.51E 16-Aug-96