AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.

App Number: pDD00000062002

DD - 6

AMOCO PRODUCTION CO

1/7/2011

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

June 20, 1985

Amoco Production Co.
Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401

Attention: W. J. Holcomb

ADMINISTRATIVE ORDER DD-6 (SNSL)

Gentlemen:

Under the provisions of Rule 111 (C) and (D), Amoco Production Company made application to the New Mexico Oil Conservation Division on March 8, 1985, for permission to directionally drill and complete for production three wells listed on the enclosed Attachment "A"..

The Division Director Finds That:

(1) The application has been duly filed under the provisions of Rule 111 (D) of the Division Rules and Regulations;

(2) Satisfactory information has been provided that all offset operators have been duly notified;

(3) The applicant, Amoco Production Company, is the owner and operator of said wells, the unorthodox surface location and orthodox bottomhole locations of which are listed on said Attachment "A".

(4) These wells were previously staked to be orthodox for gas spacing but the wells were reevaluated as qualifying for oil spacing. The surface locations have already been approved archaeologically by the B.I.A. and topographically by the B.L.M. The deviations are being made to remain orthodox for the oil spacing requirements and to satisfy the requirements of the B.I.A. and the B.L.M.

(5) Said operator proposes to kickoff at such a depth to be within 50' of said bottomhole locations.

(6) That the acreage dedicated to said wells is shown on Attachment "A".

(7) The applicant should be required to determine the subsurface location of the bottom of the hole by means of a continuous multi-shot directional survey conducted subsequent to said directional drilling, if said well is to be completed as a producing well.

(8) Approval of the subject application will prevent the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Amoco Production Company, is hereby authorized to directionally drill said wells listed on the attached sheet whose unorthodox surface locations and orthodox bottomhole locations are listed on said attachment.

(2) That said kickoff point should be adequate to penetrate the zone of interest within 50 feet of said bottomhole locations listed on Attachment "A".

PROVIDED HOWEVER, that prior to the above-described directional drilling, the applicant shall establish the location of the kick-off point by conducting a continuous multi-shot directional survey of the well.

PROVIDED FURTHER, that subsequent to the above-described directional drilling, should said well be a producer, a continuous multi-shot directional survey shall be made of the wellbore from total depth to the kick-off point with shot points not more than 100 feet apart; that the operator shall cause the surveying company to forward a copy of the survey report directly to the Santa Fe office of the Division, P. O. Box 2088, Santa Fe, New Mexico 87501, and the operator shall notify the Division's Aztec District Office of the date and time said survey is to be commenced.

(3) 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.

(4) That the acreage to be dedicated to said wells should be that as listed on Attachment "A".

(5) 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

R. L. STAMETS,
Director

S E A L

AMOCO PRODUCTION COMPANY
Directional Drilling Well Locations

WELL NAME	*SURFACE LOCATION	BOTTOMHOLE LOCATION	AC. DEDICATION
USG Sec. 18 No. 47	1505' FSL & 1690' FWL	1650' FSL & 1690' FWL	SW/4, Sec. 7
USG Sec. 19 No. 44	1090' FNL & 1450' FWL	990' FNL & 1650' FWL	NW/4, Sec. 19
USG Sec. 18 No. 43	1500' FNL & 1760' FWL	1650' FNL & 1760' FWL	NW/4, Sec. 18

All in Township 29 North, Range 16 West, NMPM, San Juan County, New Mexico.

*All surface locations are unorthodox (SNSL) and all bottomhole locations are standard.

ATTACHMENT "A"
Administrative Order No. DD-6 (SNSL)

BY LARRY BROOKS

CHECKED BY 9JPQ

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Date 6-12-85

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Operator AMOCO PROD. CO.
PET. CENTER BLDG.
501 AIRPORT DRIVE
FARMINGTON, NM. 87401
Attention: W. J. HOLCOMB

1-325-8841

ADMINISTRATIVE ORDER DD- 6 (SNSL)

Gentlemen:

Under the provisions of Rule 111 (C) and (D), AMOCO PROD. COMPANY made application to the New Mexico Oil Conservation Division on 3-8-85, for permission to directionally drill and complete for PRODUCTION THREE WELLS LISTED ON THE ATTACHMENT "A".

The Division Director Finds That:

(1) The application has been duly filed under the provisions of Rule 111 (D) of the Division Rules and Regulations;

(2) Satisfactory information has been provided that all offset operators have been duly notified;

(3) The applicant, AMOCO PROD. COMPANY, is the owner and operator of SAID WELLS, the UNORTHODOX surface locations of which ARE LISTED ON SAID ATTACHMENT "A" the _____ line and _____ feet from the _____ line of Section _____, Township _____, Range _____, _____ Pool, _____ County, New Mexico.

4.) These wells were previously staked to be orthodox for gas spacing but the wells were reevaluated as qualifying for oil spacing. The surface locations have already been approved archeaologically by the B.I.A. and topographically by the B.L.M. The deviations ARE being made to remain orthodox for the oil spacing requirements and to satisfy the requirements of the B.I.A. and the B.L.M.

5.) Said operator proposes to kickoff at such a depth to be within 50' of said bottom hole locations. (SEE ATTACHMENT A)

* AND ORTHODOX BOTTOM HOLE LOCATIONS

6) That the acreage dedicated to said wells is shown on attachment "A".

~~(5) The NW/4 of Section 18 should be dedicated to the well.~~

7) The applicant should be required to determine the subsurface location of the bottom of the hole by means of a continuous multi-shot directional survey conducted subsequent to said directional drilling, if said well is to be completed as a producing well.

8) Approval of the subject application will prevent the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, AMOCO PROD. COMPANY, is hereby authorized to directionally drill SAID WELLS LISTED ON ATTACHED SHEET WHOSE ~~unorthodox surface location~~ ~~BOX SURFACE~~ are listed ~~feet from the~~ ~~on said attachment line and~~ ~~feet from the line of Section, Township, Range, by kicking off from the vertical at a depth of approximately feet, and drilling in such a manner as to penetrate the formation within 50 feet of a point feet from the line and feet from the line of Section.~~ locations & orthodox bottom hole locations

*(2) PROVIDED HOWEVER, that prior to the above-described directional drilling, the applicant shall establish the location of the kick-off point by conducting a continuous multi-shot directional survey of the well.

PROVIDED FURTHER, that subsequent to the above-described directional drilling, should said well be a producer, a continuous multi-shot directional survey shall be made of the wellbore from total depth to the kick-off point with shot points not more than 100 feet apart; that the operator shall cause the surveying company to forward a copy of the survey report directly to the Santa Fe office of the Division, P. O. Box 2088, Santa Fe, New Mexico 87501, and the operator shall notify the Division's AZTEC District Office of the date and time said survey is to be commenced.

(3) 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.

*(2) THAT SAID KICKOFF POINT SHOULD BE ADEQUATE TO PENETRATE THE ZONE OF INTEREST WITH IN 50 FEET OF SAID BOTTOM HOLE LOCATIONS LISTED ON ATTACHMENT "A."

4 (c) That the acreage to be dedicated to said wells should be that as listed on attachment "A"

~~(3) The NW of said Section 18 shall be dedicated to the subject wells~~

5 (d) 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

R. L. STAMETS,
Acting Director

S E A L

~~ATTACHMENT A~~ : AMOCO PROD. COMPANY ~~DIR. DRILL APP'S~~

DIRECTIONAL DRILLING WELL LOCATIONS

WELL NAME	* SURFACE LOC.	BOTTOM HOLE LOC.	AC. DEDICATED
USG Sec. 18 #47	1505 FS & 1690 FW	1650 FS & 1690 FW	SW/4 Sec. 7, T29N, R16W
USG Sec. 19 #44	1090 FN & 1450 FW	990 FN & 1650 FW	NW/4 Sec. 19, T29N, R16W
USG Sec. 18 #43	1500 FN & 1760 FW	1650 FN & 1760 FW	NW/4 Sec. 18, T29N, R16W

* ALL SURFACE LOCATIONS ARE UNORTHODOX (SNSL), AND ALL BOTTOM HOLE LOCATIONS ARE STANDARD.

ATTACHMENT "A"

ADMINISTRATIVE ORDER No. DD-6 (SNSL)

Memo

From

DAVID CATANACH
Petroleum Engineer

To Bowoot,

Lynn Murphy w/ Amoco called & said there were not any offset operators on the USG wells and that he'd let you know on the others tomorrow, and I'm not your secretary.

De.

325-8841

Oil Conservation Division
PO Box 2088, Santa Fe, New Mexico 87501

Amoco Production Company
Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841

W. J. Holcomb
District Manager

May 8, 1985

Mr. Gilbert Quintana
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: DDL-503-400.1

Application for Directional Drilling
USG Section 18 No. 47
NE/SW Section 7, T29N, R16W
San Juan County, New Mexico

Amoco Production Company hereby requests approval to directionally drill the USG Section 18 No. 47. The proposed surface location is 1505' FSL x 1690' FWL, Section 7, T29N, R16W. The proposed bottom hole location is 1650' FSL x 1690' FWL Section 7, T29N, R16W.

This well was previously staked to be orthodox for gas spacing but the well was reevaluated as qualifying for oil spacing. The surface location has already been approved archeaologically by the B.I.A. and topographically by the B.L.M. The deviation is being made to remain orthodox for the oil spacing requirements and to satisfy the requirements of the B.I.A. and the B.L.M.

Sincerely,

W. J. Holcomb BDS

LJM/ct

Attachments

cc: Mr. Ernie Busch
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

cc: R. J. Criswell
Rm. AB 1152

AM17

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
AMOCO PRODUCTION COMPANY	USG SECTION 18	47

Unit Letter	Section	Township	Range	County
K	7	29 N	16 W	San Juan

Actual Footage Location of Well: 1505 feet from the SOUTH line and 1690 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5042	Penn/Leadville	undes. Hogback Penn/Leadville	160/40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

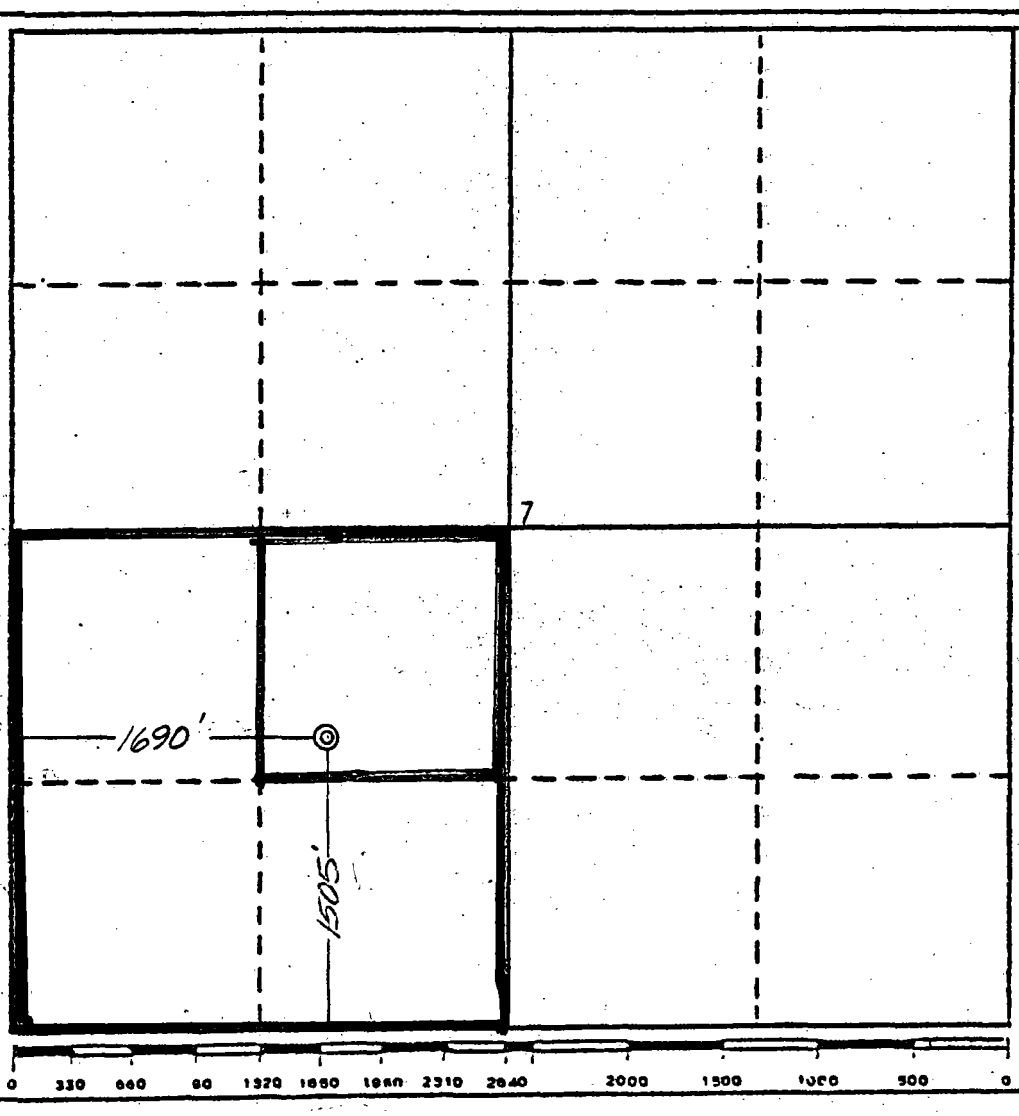
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B D Shaw

Name: B. D. Shaw

Position: Adm. Supervisor

Company: Amoco Production Co.

Date: 5-9-85

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 knowledge and belief.

GARY D. VANN NEW MEXICO 7016 REGISTERED PROFESSIONAL LAND SURVEYOR

Date Surveyed: January 22, 1985

Registered Professional Engineer and/or Land Surveyor: GARY D. VANN

Certificate No. 7016

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Amoco Production Co.	USG Section 18	47

Unit Letter	Section	Township	Range	County
K	7	29N	16W	San Juan

Actual Footage Location of Well: 1650 feet from the South line and 1690 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5042'	Penn/Leadville	Hogback Penn/Leadville undes.	160/40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

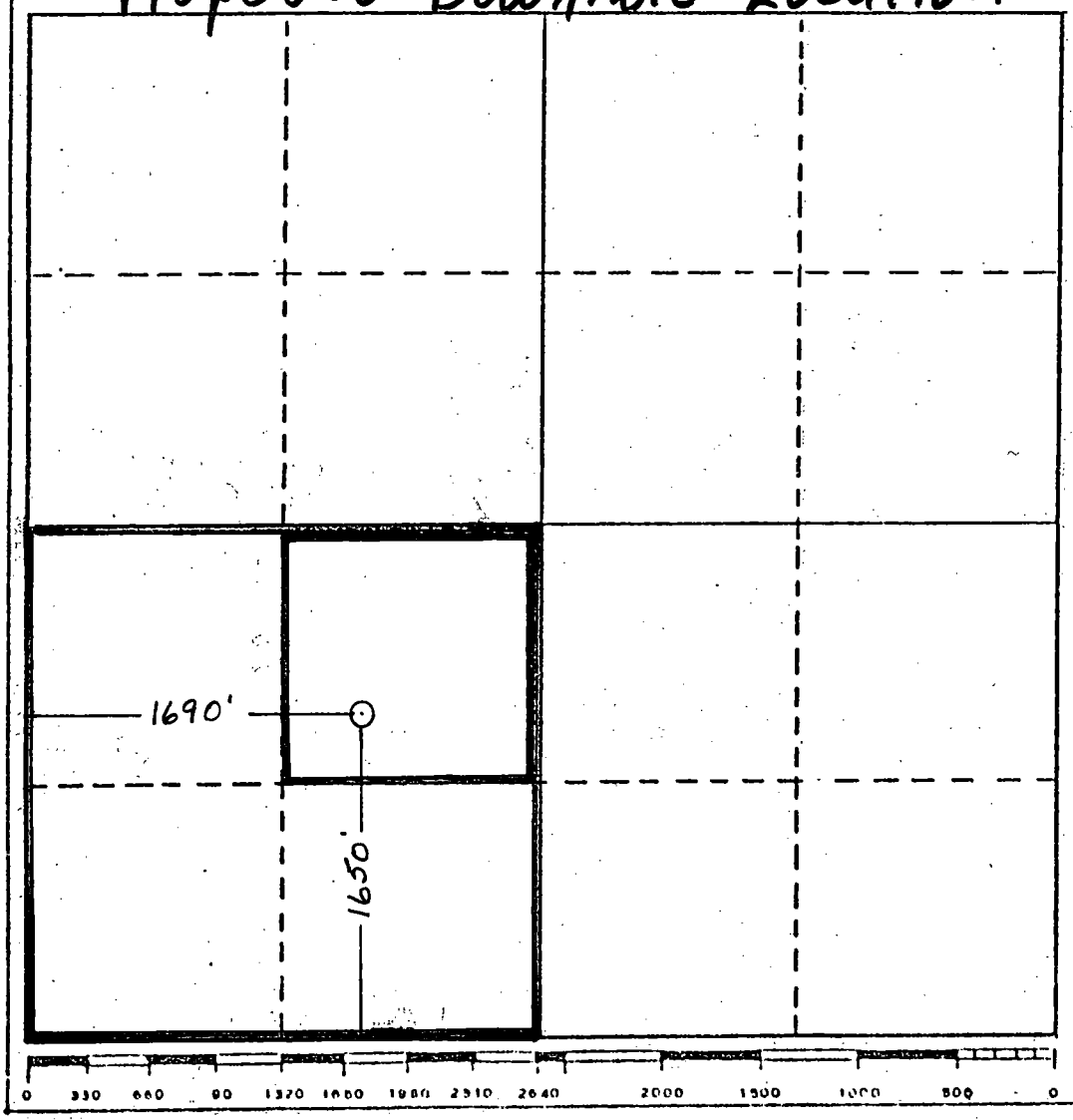
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

Proposed Downhole Location



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

BDShaw

Name: B. D. Shaw

Position: Adm. Supervisor

Company: Amoco Production Co.

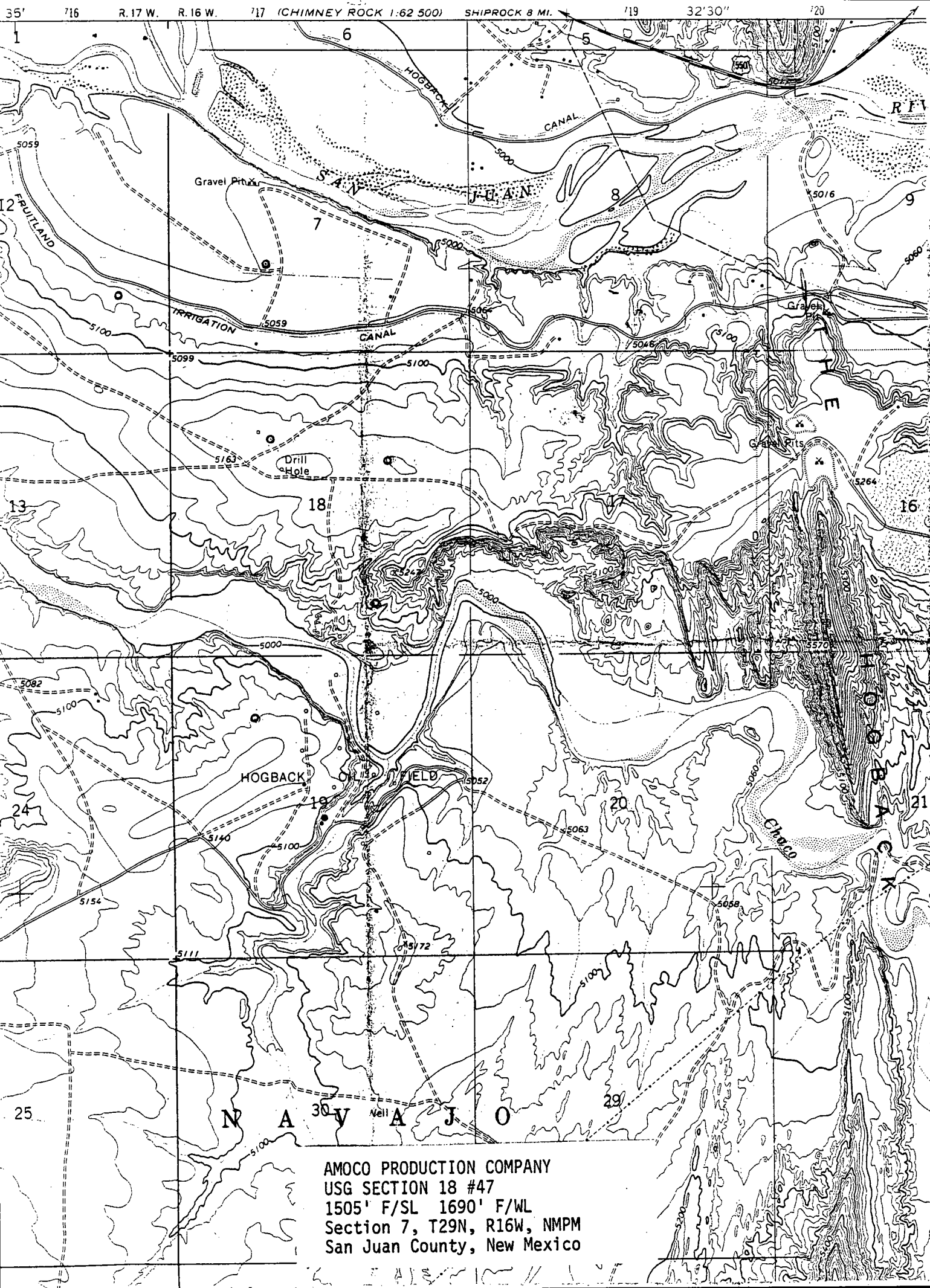
Date: 5-9-85

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.


35'
716
R. 17 W.
R. 16 W.
717
(CHIMNEY ROCK 1:62 500)
SHIPROCK 8 MI.
719
32'30"
720
HOGBACK
CANAL
S A N
J U A N
Gravel Pits
FRUITLAND
IRRIGATION
CANAL
Drill Hole
Gravel Pits
HOGBACK
OIL FIELD
Chaco
N A V A J O
AMOCO PRODUCTION COMPANY
USG SECTION 18 #47
1505' F/SL 1690' F/WL
Section 7, T29N, R16W, NMPM
San Juan County, New Mexico

Amoco Production Company
Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841

W. J. Holcomb
District Manager

May 8, 1985

RECEIVED
MAY 13 1985
OIL CONSERVATION DIVISION
SANTA FE

Mr. Gilbert Quintana
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: DDL-503-400.1

Application for Directional Drilling
USG Section 19 No. 44
NE/NW Section 19, T29N, R16W
San Juan County, New Mexico

Amoco Production Company hereby requests approval to directionally drill the USG Section 19 No. 44. The proposed surface location is 1090' FNL x 1450' FWL, Section 19, T29N, R16W. The proposed bottom hole location is 990' FNL x 1650' FWL Section 19, T29N, R16W.

This well was previously staked to be orthodox for gas spacing but the well was reevaluated as qualifying for oil spacing. The surface location has already been approved archeaologically by the B.I.A. and topographically by the B.L.M. The deviation is being made to remain orthodox for the oil spacing requirements and to satisfy the requirements of the B.I.A. and the B.L.M.

Sincerely,

W. J. Holcomb BDS

LJM/ct

Attachments

cc: Mr. Ernie Busch
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

cc: R. J. Criswell
Rm. AB 1152

AM17

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Amoco Production Co.	USG Section 19	44

Unit Letter	Section	Township	Range	County
C	19	29N	16W	San Juan

Actual Footage Location of Well: 990 feet from the North line and 1650' feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5140	Penn/Leadville	Undes. Hogback Penn/Leadville	160/40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

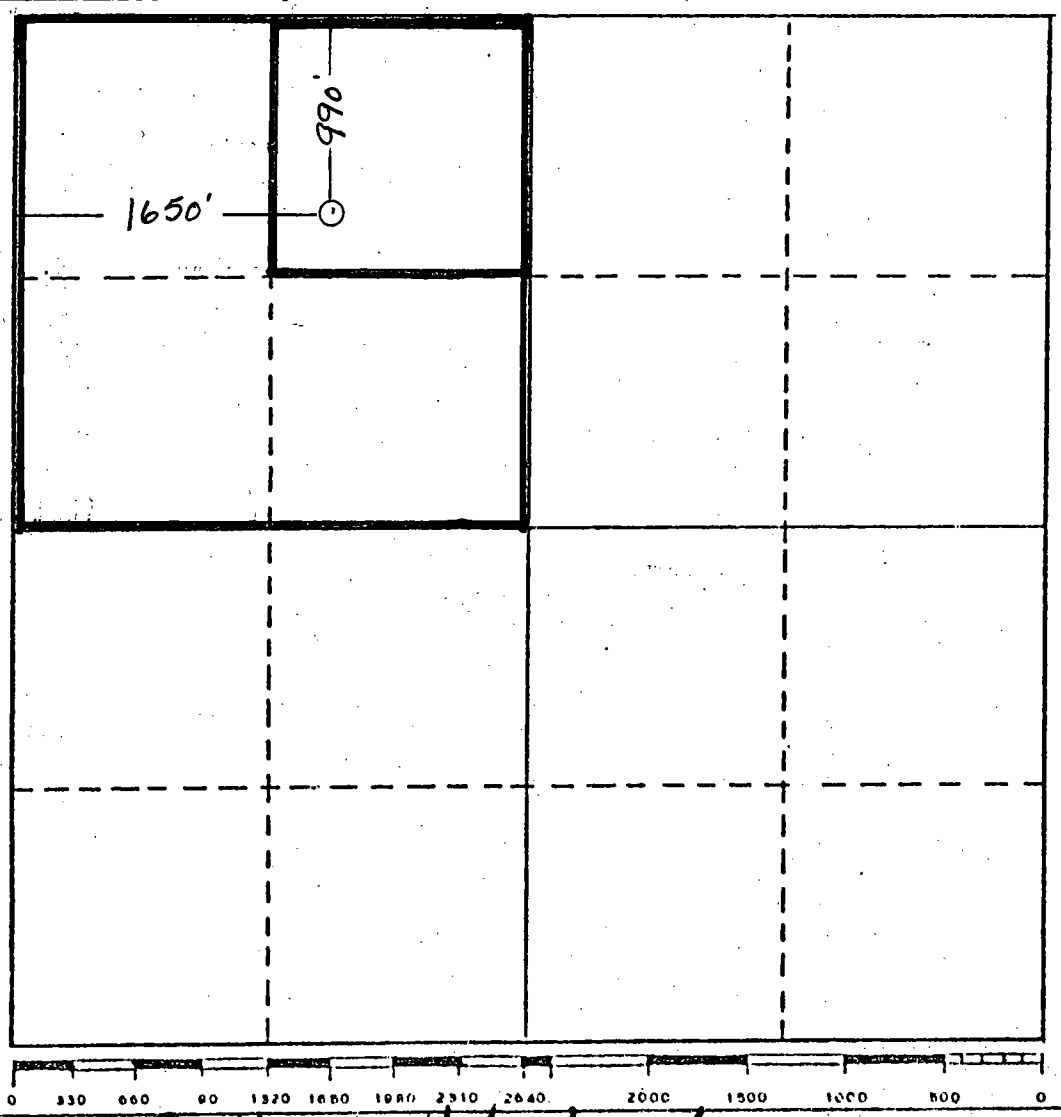
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

Bottom Hole Location



Bottom Hole Location

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B D Shaw

Name: B. D. Shaw

Position: Adm. Supervisor

Company: Amoco Production Co.

Date: 5-9-85

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
AMOCO PRODUCTION COMPANY	USG SECTION 19	44

Unit Letter	Section	Township	Range	County
C	19	29 N	16 W	San Juan

Actual Footage Location of Well: 1090 feet from the NORTH line and 1450 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5140	Penn/Leadville	undes. Hogback Penn/Leadville	160/40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

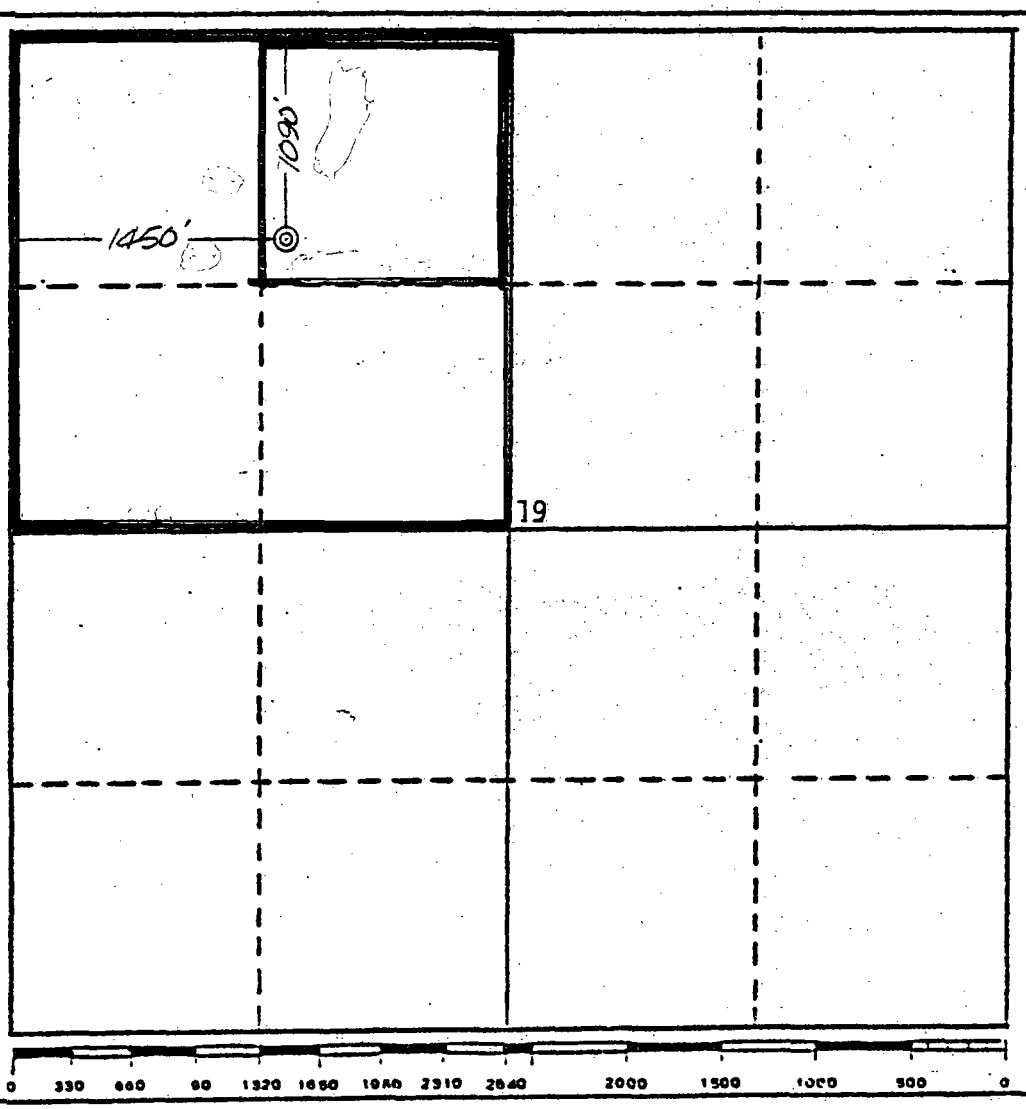
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B D Shaw

Name: B. D. Shaw

Position: Adm. Supervisor

Company: Amoco Production Co.

Date: 5/9/85

GARY D. VANN NEW MEXICO 7016 REGISTERED PROFESSIONAL LAND SURVEYOR

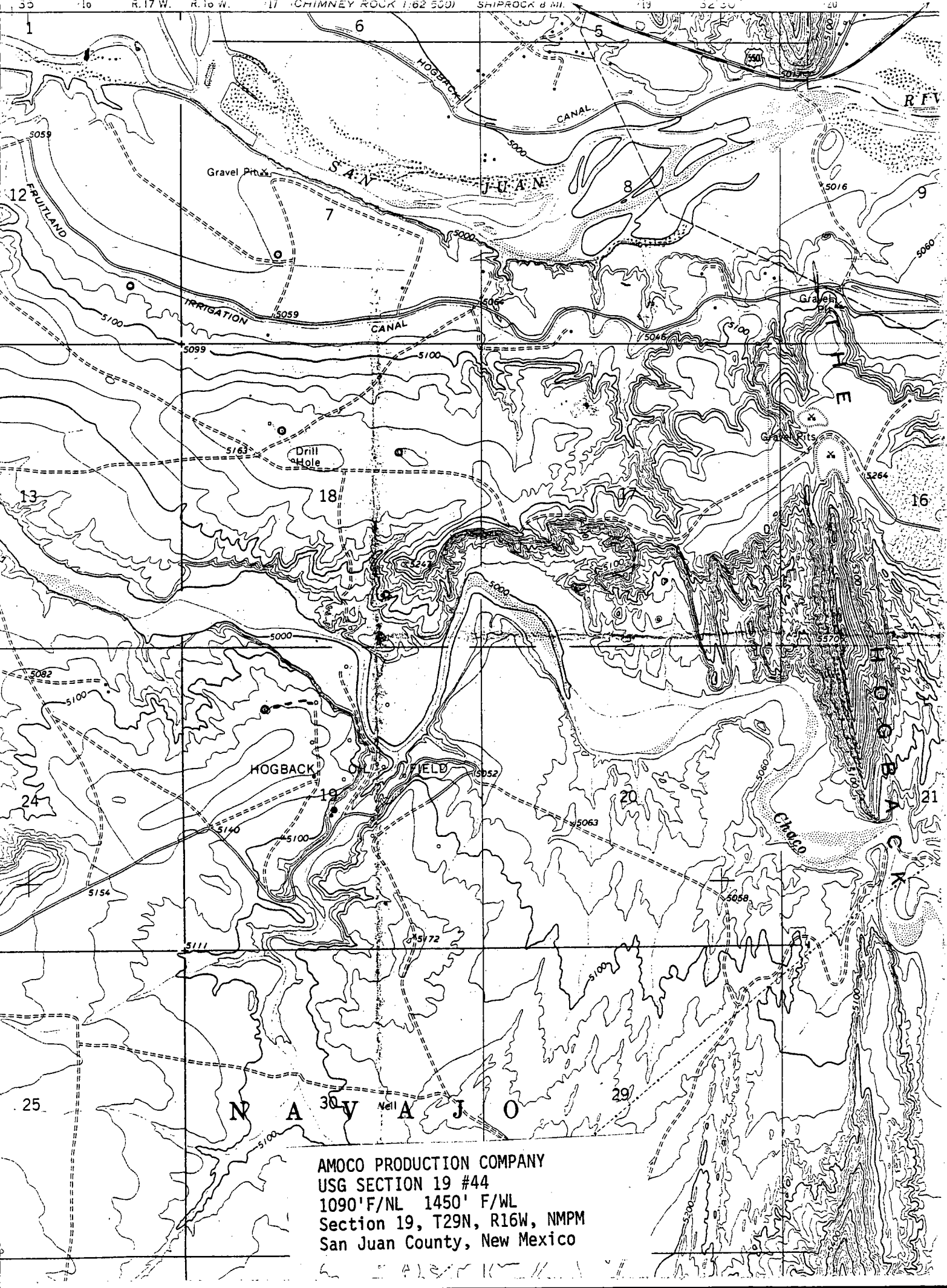
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: January 22, 1985

Registered Professional Engineer and/or Land Surveyor

Gary D. Vann

Certificate No. 7016


R.17 W.
R.16 W.
CHIMNEY ROCK (1:62 500)
SHIPROCK 8 MI.
HOGBACK
CANAL
SAN JUAN
Gravel Pits
FRUITLAND
IRRIGATION
CANAL
Drill Hole
Gravel Pits
HOGBACK OIL FIELD
Chaco
NAVAJO
AMOCO PRODUCTION COMPANY
USG SECTION 19 #44
1090'F/NL 1450' F/WL
Section 19, T29N, R16W, NMPM
San Juan County, New Mexico

Amoco Production Company
Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841

W. J. Holcomb
District Manager

May 8, 1985

Mr. Gilbert Quintana
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: DDL-504-400.1

Application for Directional Drilling
USG Section 18 No. 43
SE/NW Section 18, T29N, R16W
San Juan County, New Mexico

Amoco Production Company hereby requests approval to directionally drill the USG Section 18 No. 43. The proposed surface location is 1500' FNL x 1760' FWL, Section 18, T29N, R16W. The proposed bottom hole location is 1650' FNL x 1760' FWL Section 18, T29N, R16W.

This well was previously staked to be orthodox for gas spacing but the well was reevaluated as qualifying for oil spacing. The surface location has already been approved archeaologically by the B.I.A. and topographically by the B.L.M. The deviation is being made to remain orthodox for the oil spacing requirements and to satisfy the requirements of the B.I.A. and the B.L.M.

Sincerely,

W. J. Holcomb BDS

LJM/ct

Attachments

cc: Mr. Ernie Busch
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

cc: R. J. Criswell
Rm. AB 1152

AM17

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Amoco Production Co.	USG Section 18	43

Unit Letter	Section	Township	Range	County
F	18	29N	16W	San Juan

Actual Footage Location of Well: 1650 feet from the North line and 1760 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5176	Penn/Leadville	OIL Undes. Hogback Penn/Leadville	160/40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

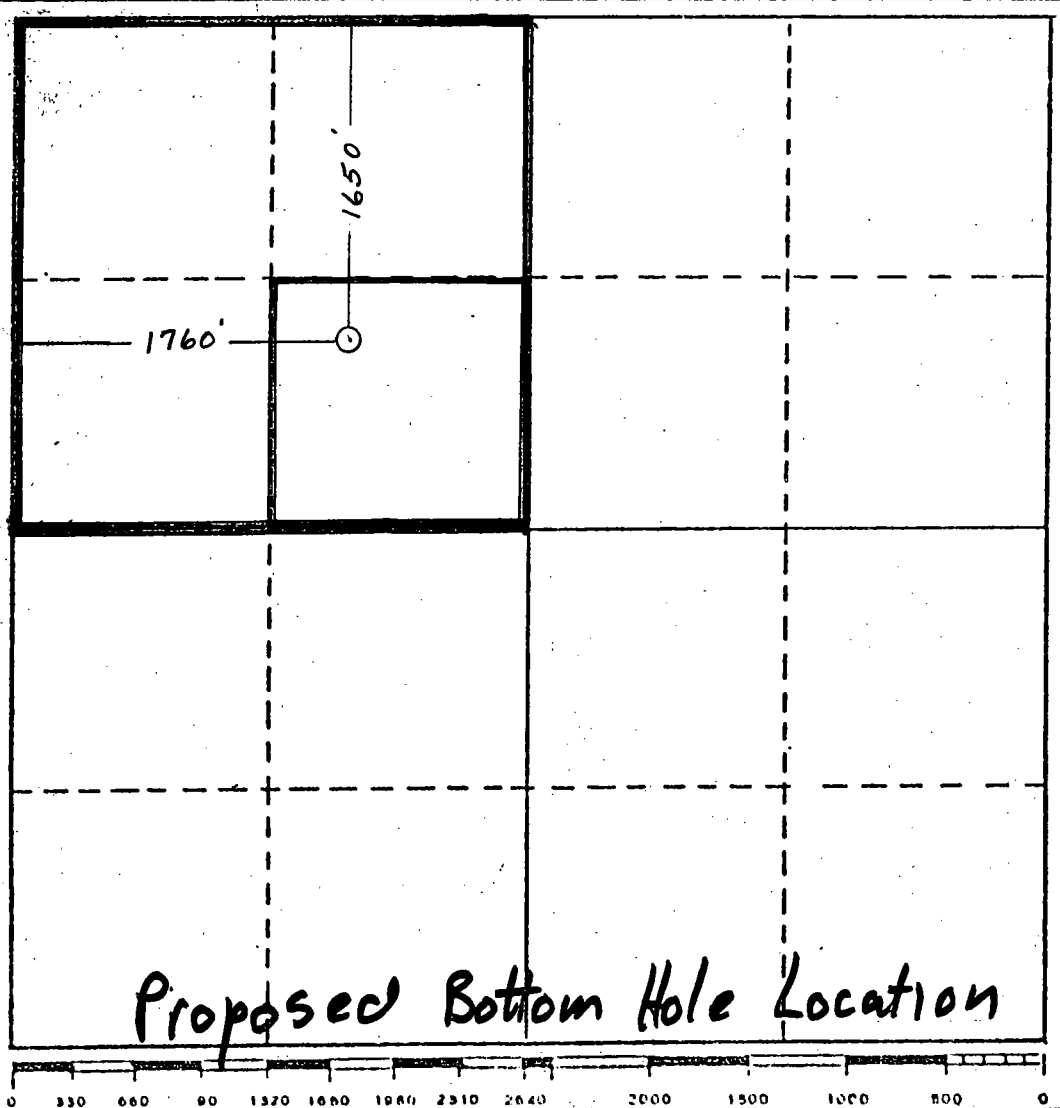
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

Proposed Bottom Hole Location



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

BDShaw

Name: B. D. Shaw

Position: Adm. Supervisor

Company: Amoco Production Co.

Date: 5-9-85

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
AMOCO PRODUCTION COMPANY	USG SECTION 18	43

Unit Letter	Section	Township	Range	County
F	18	29 N	16 W	San Juan

Actual Footage Location of Well: 1500 feet from the NORTH line and 1760 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5176	Penn/Leadville	undes. Hogback Penn/Leadville	160/40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

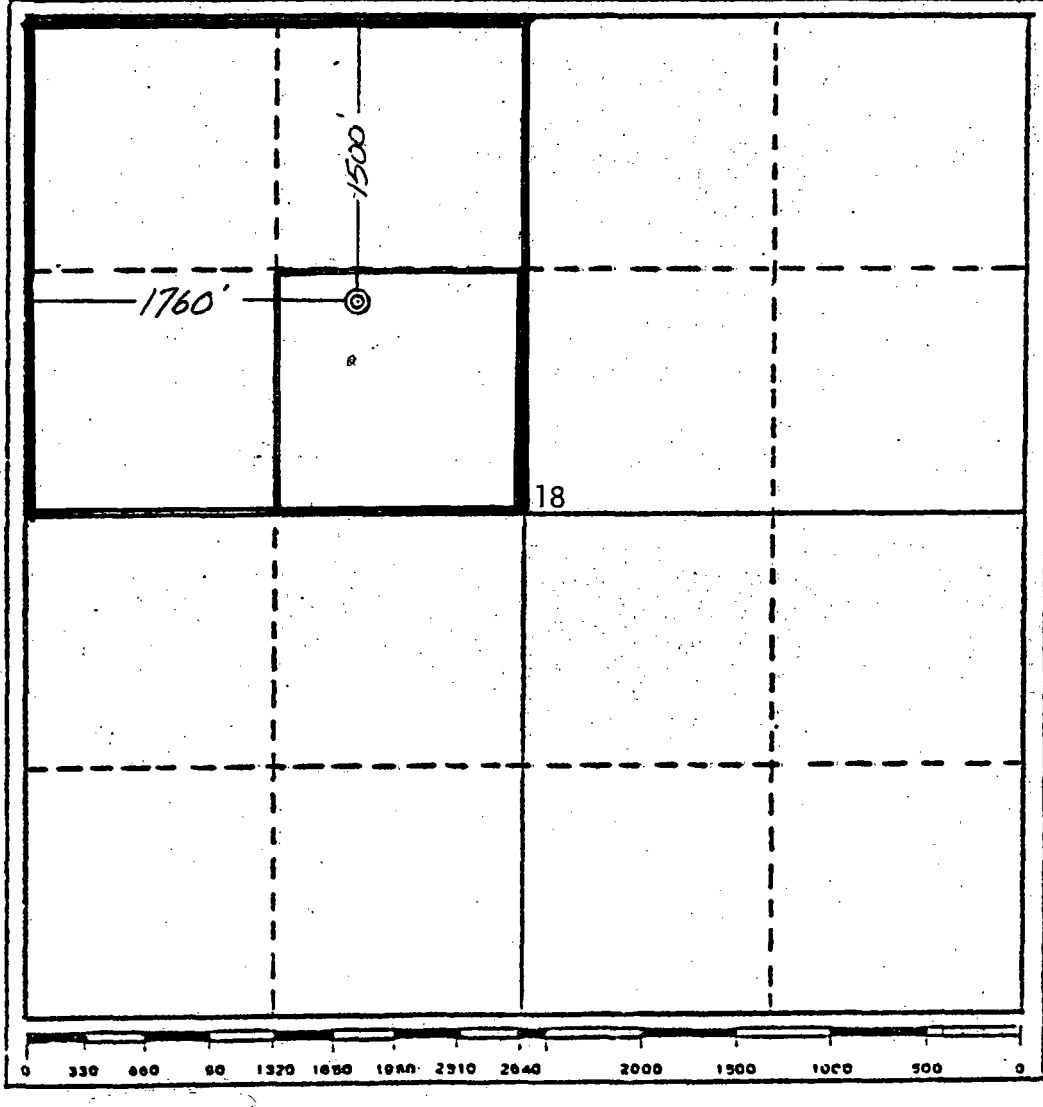
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B D Shaw

Name: B. D. Shaw

Position: Adm. Supervisor

Company: Amoco Production Co.

Date: 5-9-85

GARY D. VANN NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016

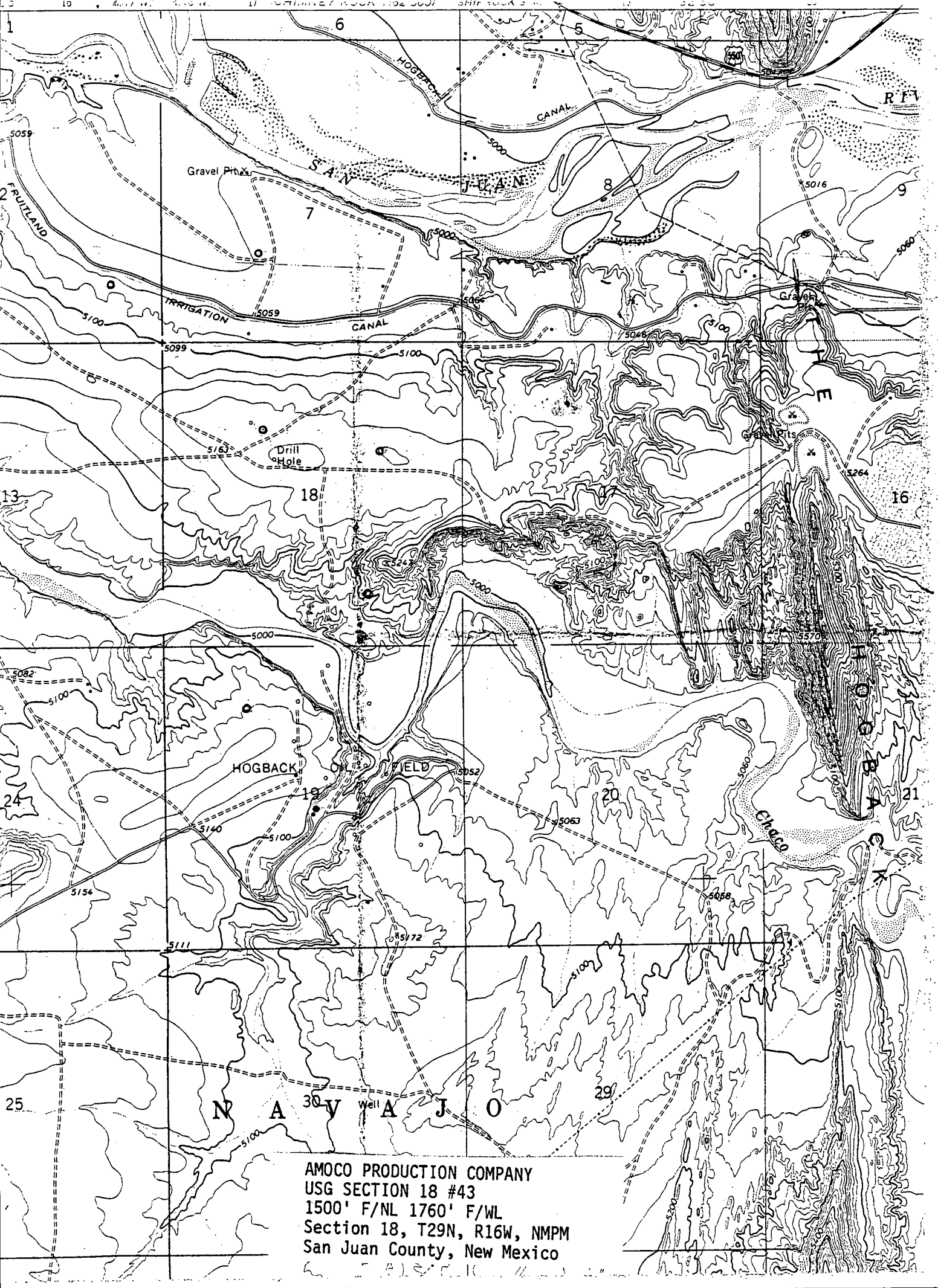
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: January 21, 1985

Registered Professional Engineer and/or Land Surveyor

Gary D. Vann

Certificate No. 7016


HOGBACK CANAL
SAN JUAN
Gravel Pit
FRUITLAND
IRRIGATION CANAL
Drill Hole
Gravel Pits
HOGBACK OIL FIELD
Chaco
HOGBACK
NAVAJO
Well
AMOCO PRODUCTION COMPANY
USG SECTION 18 #43
1500' F/NL 1760' F/WL
Section 18, T29N, R16W, NMPM
San Juan County, New Mexico