

**LTR**



**Job separation sheet**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER INFILL ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR  
501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1110' FNL and 1520' FWL, Section 17, T29N, R9W  
At proposed prod. zone  
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
1.5 miles Northeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
1110'

16. NO. OF ACRES IN LEASE  
2444.40

17. NO. OF ACRES ASSIGNED TO THIS WELL  
W 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
2350'

19. PROPOSED DEPTH  
4780' KB

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5657' GL

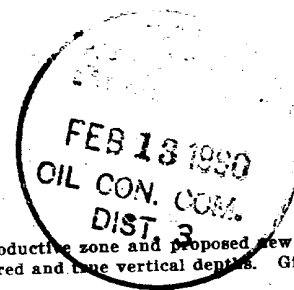
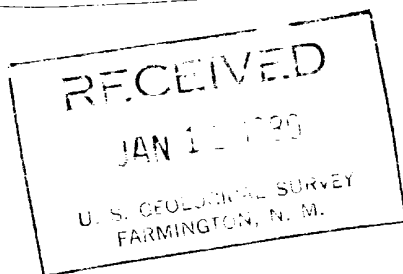
22. APPROX. DATE WORK WILL START\*  
As soon as permitted

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" (New)	32.3#	300'	300 sx Class "B" Neat
8-3/4"	7" (New)	20#	2480'	445 sx Class "B" 50:50 POZ
6-1/4"	4-1/2" (New)	10.5#	4780'	280 sx Class "B" 50:50 POZ

This application to drill an Infill Blanco Mesaverde well is pursuant to Order No. R-1670-T approved by the NMOCC on November 14, 1974. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-T.

The gas from this well is dedicated to El Paso Natural Gas Company.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED B. E. Jackwell TITLE District Engineer DATE January 9, 1980

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:  
SUGGESTED BY \_\_\_\_\_  
"GENERAL REGISTRATION"

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

NMOCC

James E. Smith  
DISTRICT ENGINEER

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

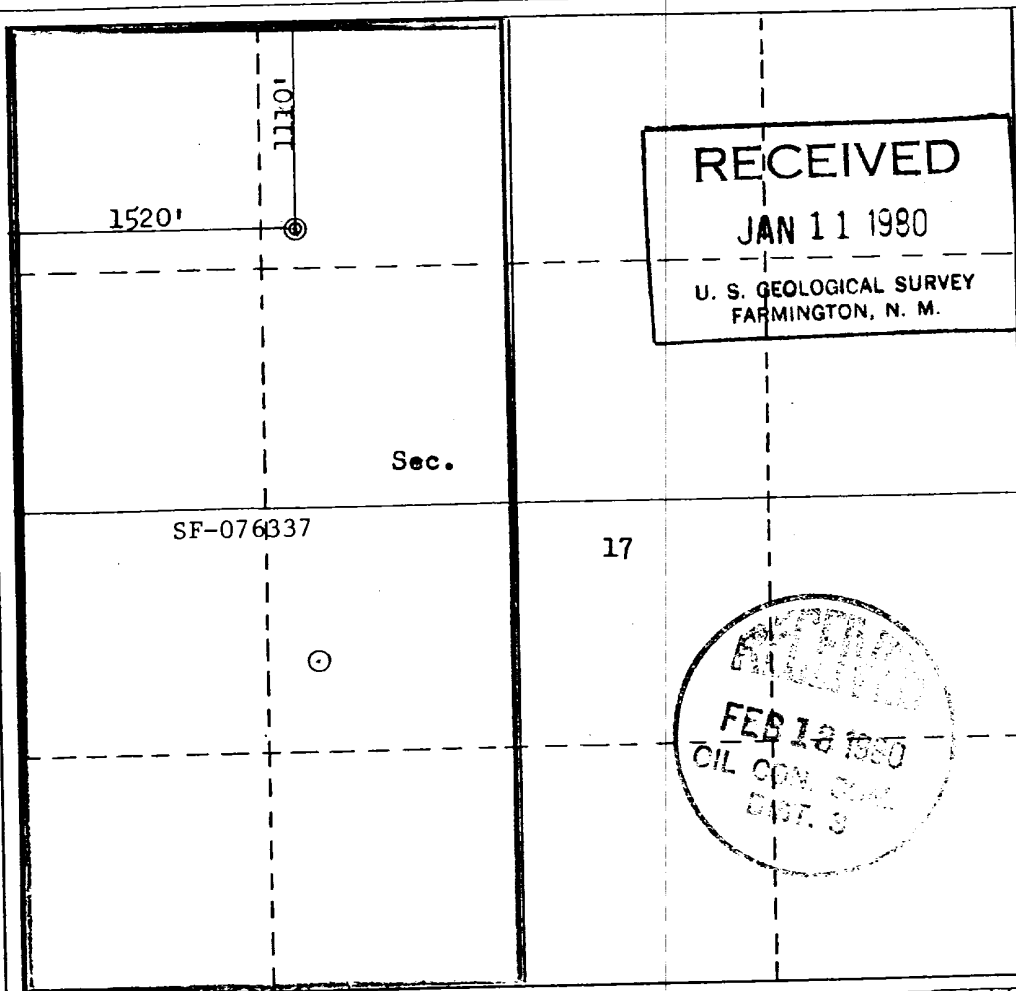
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>W. D. HEATH "A"</b>		Well No. <b>3-A</b>
Unit Letter <b>C</b>	Section <b>17</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1110</b> feet from the <b>North</b> line and <b>1520</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5657</b>	Producing Formation <b>Mesaverde</b>		Pool <b>Blanco Mesaverde</b>		Dedicated Acreage: <b>320</b> 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 Commission.



CERTIFICATION

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

*B. E. Fackrell*

Name  
**B. E. FACKRELL**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**NOVEMBER 20, 1979**

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  
**November 17, 1979**

Registered Professional Engineer  
and/or Land Surveyor

*Fred B. Kerr*  
Certificate No. **KERR**

3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SUPPLEMENTAL INFORMATION TO FORM 9-331C

W. D. HEATH "A" NO. 3A  
1110' FNL & 1520' FWL, SECTION 17, T29N, R9W  
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary Nacimiento.

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Fruitland	1780'	+3890'
Pictured Cliffs	2080'	+3590'
Cliff House	3790'	+1880'
Point Lookout	4530'	+1140'
TD	4780'	

Estimated KB elevation: 5670'

Drilling fluid to intermediate TD will be a low solids non-dispersed mud system and air to TD. Open hole logging program will include logs from TD to below intermediate casing.

Induction - GR\*  
Sidewall Neutron - GR  
Formation Density - GR

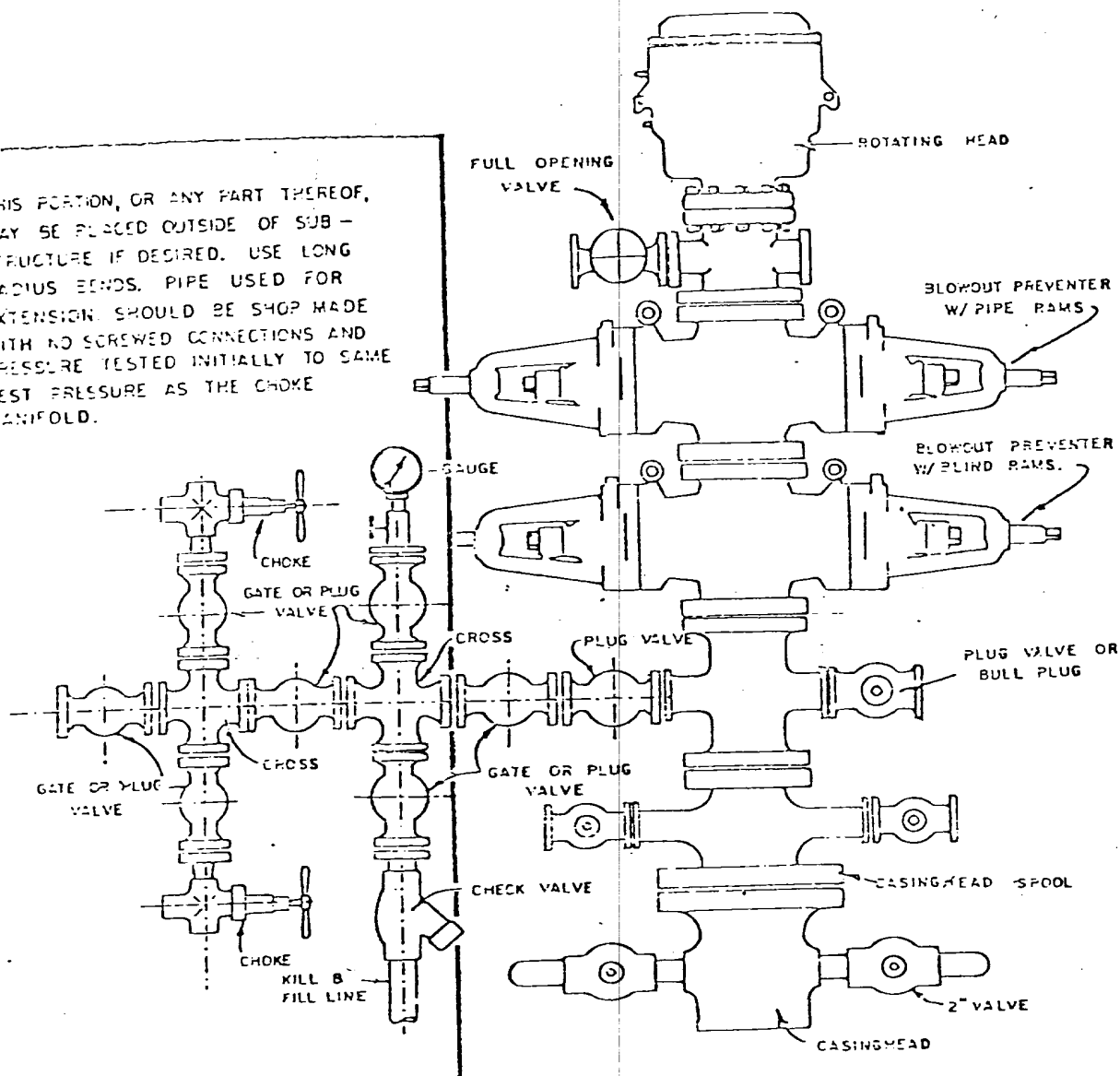
\*GR will be run to surface

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP


## MULTI-POINT SURFACE USE PLAN

W. D. HEATH "A" NO. 3A  
1110' FNL & 1520' FWL, SECTION 17, T29N, R9W  
SAN JUAN COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
  2. It will not be necessary to build an access road for this location.
  3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
  4. There is a 210-barrel tank and facilities located at W. D. Heath "A" Well No. 3, and a 380-barrel tank at W. D. Heath "A" Well No. 8.
  5. Water will be hauled from the San Juan River.
  6. No construction materials will be hauled in for this location.
  7. A 125' by 125' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled.
  8. There are neither airstrips nor camps in the vicinity.
  9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 3-foot cut will be made on north side.
  10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as instructed by the Bureau of Land Management.
  11. The general topography is a gentle slope, sandy-loam type soil, with vegetation consisting of native grasses.
- Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.
12. Operator's Representative: R. W. Schroeder  
Phone: Office: 505-325-8841; Home: 505-325-6164  
Address: 501 Airport Drive, Farmington, NM 87401

Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date December 14, 1979

  
R. W. Schroeder, District Superintendent

17 IV  
TECI

ARTECIUS 550-98 MI 246 R 10 W 50'

248 R 9 W

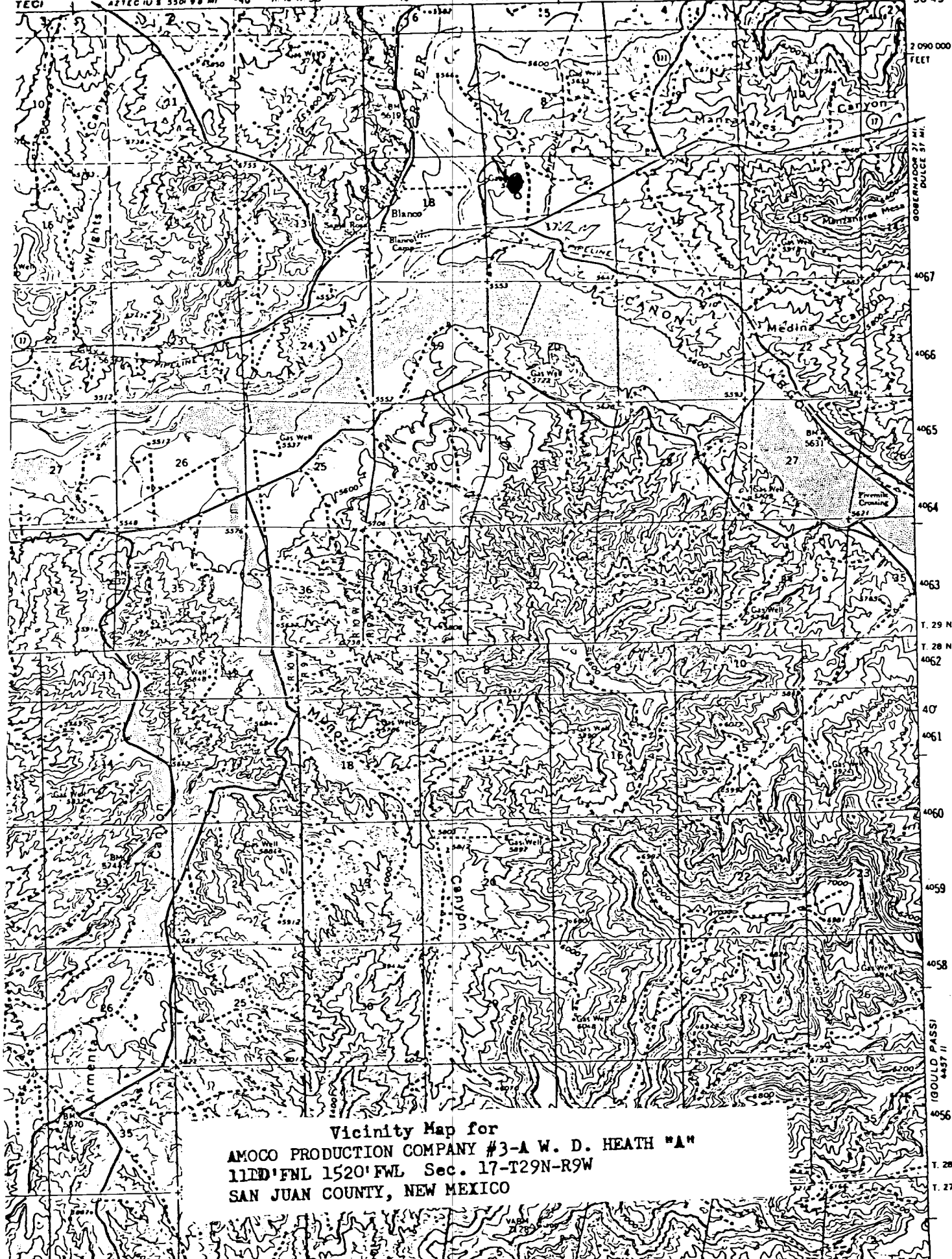
249

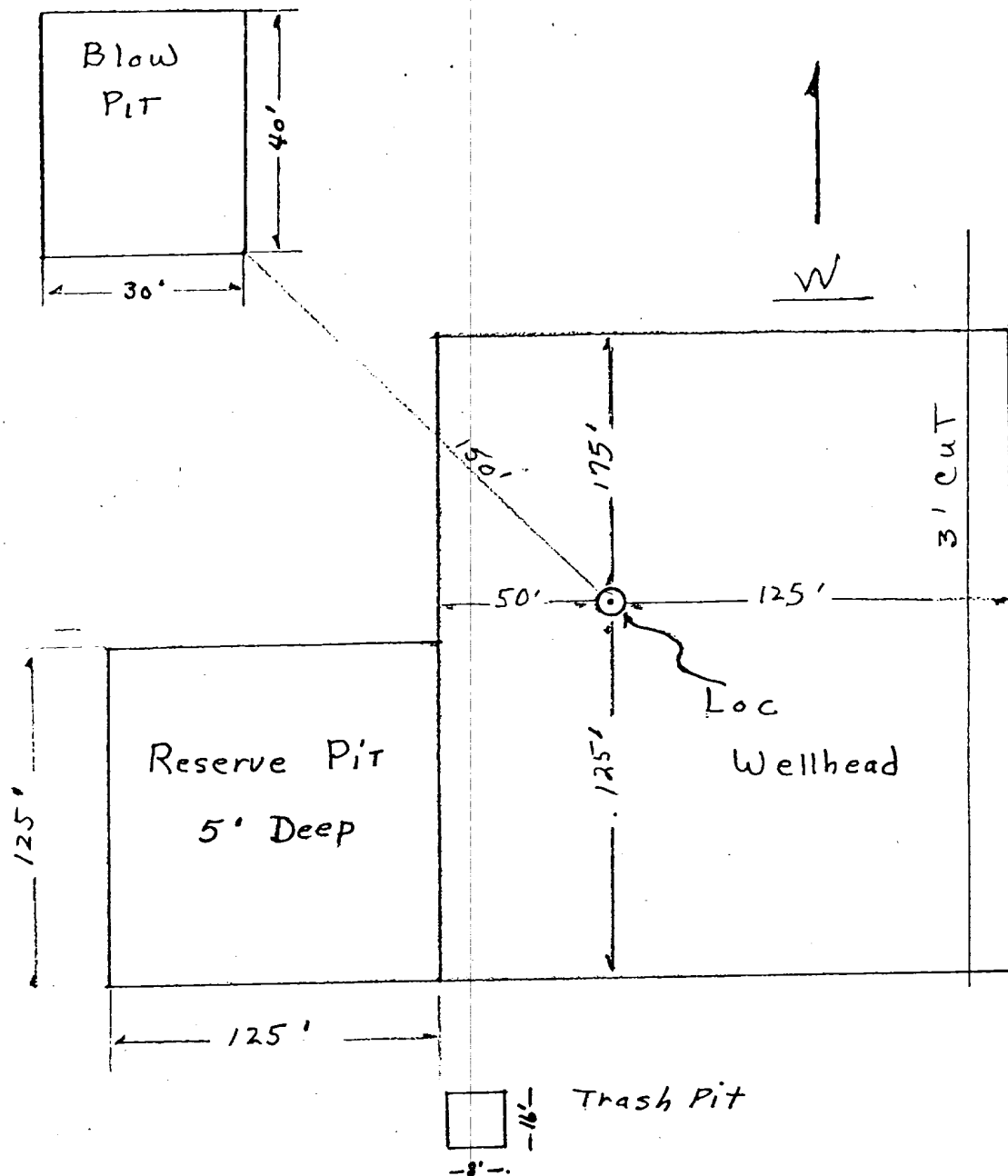
NAVAJO DAM 12 MI  
TURLEY 08 MI

15 MINUTE SERIES (TOPOGRAPHIC)

107°45'  
36°45'

520 000 FEET





Approximately 1.2 Acres

Amoco Production Company	SCALE: <i>NONE</i>
Drilling Location Specs W.D. HEATH "A" NO. 3A	DRG. NO.



W. D. HEATH "A" 3A

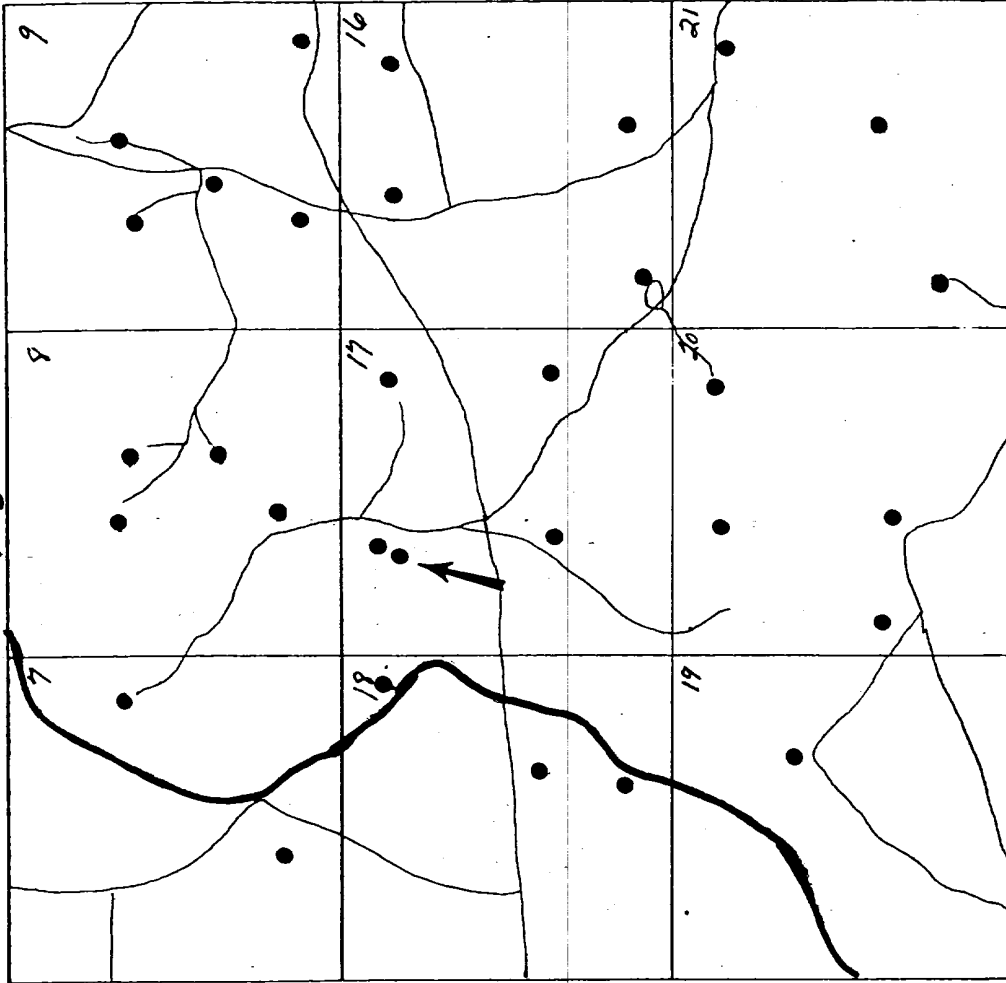
<u>CASING</u>	<u>GRADE</u>	<u>WEIGHT</u>	<u>CEMENT TOP</u>	<u>CEMENT</u>
9-5/8" (NEW)	H-40	32.3#	Surface	Class B with 2% CaCl <sub>2</sub> .
7" (NEW)	K-55	20#	Surface	Class B with 50:50 POZ, 6% gel, 2# med tuf plug/sx, .8% fluid loss.
4-1/2" (NEW)	K-55	10.5#	2330'	Class B with 50:50 POZ, 6% gel, 2# med tuf plug/sx, .8% fluid loss.

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Ojo Alamo	773'	+4897'
Kirtland	1203'	+4467'
Fruitland	1780'	+3890'
Pictured Cliffs	2080'	+3590'
Chacra	--	--
Cliff House	3790'	+1880'
Menefee	3973'	+1697'
Point Lookout	4530'	+1140'
Mancos	4553'	+1117'

W.D. HEATH "A" #3A

R 9 W

T 29 N

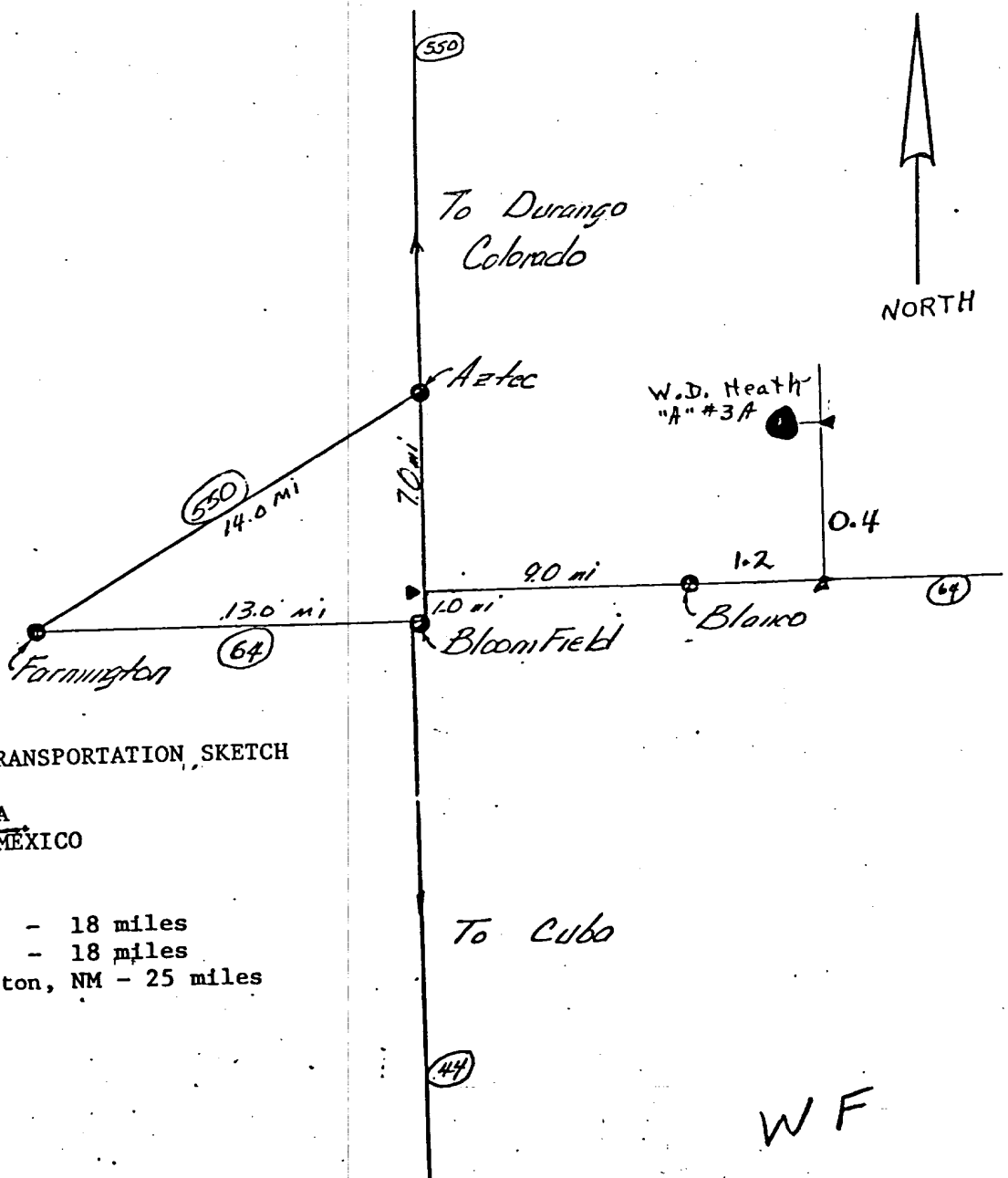
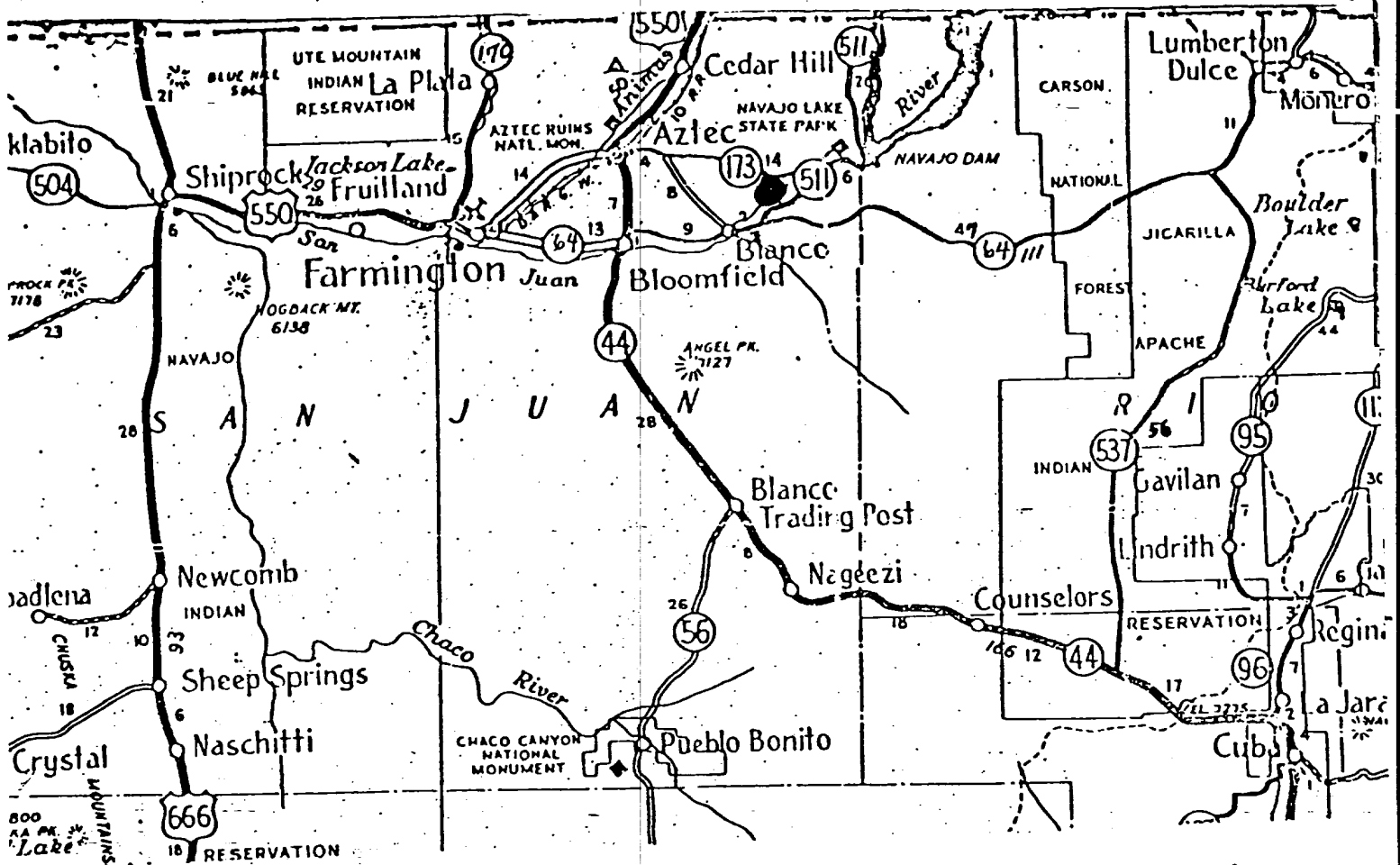


EXISTING WELLS ●

PROPOSED WELL →

ROADS ~

RIVER —



ARMINGTON DISTRICT TRANSPORTATION SKETCH  
 ENVER REGION  
 . D. HEATH "A" NO. 3A  
 AN JUAN COUNTY, NEW MEXICO  
 MOCO WI: 100%

ail Point, Aztec, NM - 18 miles  
 ud Point, Aztec, NM - 18 miles  
 ement Point, Farmington, NM - 25 miles

2/19/79

WF



**LTR**



**Job separation sheet**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐  
2. NAME OF OPERATOR  
Amoco Production Company  
3. ADDRESS OF OPERATOR  
501 Airport Drive Farmington, NM 87401  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1110' FNL & 1520' FWL, Section 17,  
AT TOP PROD. INTERVAL: Same T29N, R9W  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Spud & Set Casing	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded 12-1/4" hole on 4-4-80 and drilled to 320'. Set 9-5/8", 32.3# surface casing at 314' on 4-4-80 and cemented with 325 sx of class "B" Neat cement containing 2% CaCl<sub>2</sub>. Circulated out Good cement to the surface. Drilled a 8-3/4" hole to a depth of 2628'. Set 7", 23.0# Intermediate casing at 2628' on 4-7-80 and cemented with 305 sx class "B" Neat cement containing 50:50 Poz, 6% gel, 2# Medium tuf plug per sx, and .8% fluid loss additives. This was tailed in with 100 sx class "B" Neat cement. Circulated Good cement to the surface. Drilled a 6-1/4" hole to a TD of 4603'. Set 4-1/2", 10.5# production casing at 4603' on 4-10-80 and cemented with 200 sx of class "B" Neat cement containing 50:50 Poz, 6% gel, 2# Medium tuf plug per sx, and .8% fluid loss additives. Tailed in with 100 sx class "B" Neat cement. Circulated out Good cement to the surface. The DV tool was not required on this cementing procedure. The rig was released on 4-10-80. Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

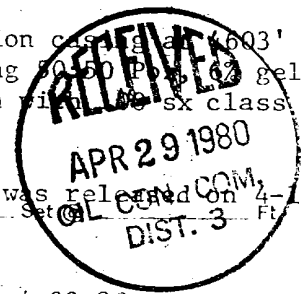
SIGNED \_\_\_\_\_ TITLE Dist. Adm. Supvr. DATE 4-22-80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE  
SF-076337  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
W. D. Heath "A"  
9. WELL NO.  
3A  
10. FIELD OR WILDCAT NAME  
Blanco Mesaverde  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NE/4, NW/4, Section 17, T29N, R9W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM  
14. API NO.  
30-045-24192  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5657' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



ACCEPTED FOR RECORD

APR 28 1980

\*See Instructions on Reverse Side

AMOCO

BY *[Signature]*  
FARMINGTON DISTRICT



**LTR**



**Job separation sheet**

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date <b>06 27 80</b>	
Company <b>AMOCO PRODUCTION CO.</b>		Connection <b>ELPA NATURAL GAS CO.</b>	
Pool <b>BLANCO</b>		Formation <b>MESAVERDE</b>	
Completion Date <b>06 09 80</b>		Total Depth <b>4612</b>	Plug Back TD <b>4581</b>
Elevation <b>5657 GL</b>		Farm or Lease Name <b>WD HEATH A</b>	
Csg. Size <b>4.500</b>	Wt. <b>10.5</b>	d <b>4.052</b>	Set At <b>4600</b>
Perforations: From <b>4048</b> To <b>4453</b>		Well No. <b>3A</b>	
Tbg. Size <b>2.375</b>	Wt. <b>4.7</b>	d <b>1.995</b>	Set At <b>4468</b>
Perforations: From <b>open</b> To <b>ended</b>		Unit    Sec.    Twp.    Rge. <b>C    17    29    9W</b>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>SINGLE</b>		Packer Set At <b>NONE</b>	
Producing Thru <b>TUBING</b>		County <b>SAN JUAN</b>	
Reservoir Temp. °F <b>a</b>		Mean Annual Temp. °F <b>a</b>	
Baro. Press. - P <sub>a</sub>		State <b>NEW MEXICO</b>	
L	H	Gg	% CO <sub>2</sub>
			% N <sub>2</sub>
			% H <sub>2</sub> S
			Prover
			Meter Run
			Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	<b>9 days</b>						<b>422</b>		<b>615</b>		<b>3 hrs</b>
1.	<b>2.375</b>		<b>.750</b>				<b>118</b>		<b>483</b>		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	<b>12.365</b>		<b>130</b>	<b>1.000</b>	<b>.9258</b>	<b>1.015</b>	<b>1510</b>
2.							
3.							
4.							
5.							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/Bl.
1.					A.P.L. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P <sub>c</sub> <b>627</b>	P <sub>c</sub> <sup>2</sup> <b>393129</b>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{2.6544}$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.0796}$
NO.	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1	<b>495</b>	<b>245025</b>	<b>148104</b>
2			
3			
4			
5			

Absolute Open Flow <b>3140</b>		Mcfd @ 15.025	Angle of Slope θ	Slope, n <b>.75</b>
Remarks:				
Approved By Commission:		Conducted By: <b>JJB</b>	Calculated By: <b>J J BARNETT</b>	Checked By: <b>R A DOWNEY</b>



**LTR**



**Job separation sheet**



W. D. Heath "A" No. 3A  
AMOCO PRODUCTION COMPANY

<u>DEPTH</u>	<u>DEVIATION</u>
320'	1/4
831'	1/2
1335'	3/4
1830'	3/4
2364'	1
2628'	1
3125'	1-1/4
3624'	1-1/2
4148'	1-3/4
4600'	1-3/4

RECEIVED  
JUL 18 1980  
OIL CON. COM.  
DIST.

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S

Signed  
Title

Adm. Supvr.

THE STATE OF NEW MEXICO) SS.  
COUNTY OF SAN JUAN )

BEFORE ME, the undersigned authority, on this day personally appeared R. L. Hiatt known to me to be Adm. Supvr. for Amoco Production Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said  
County and State this 16th day of July, 1980.

Glenn T. Brown  
Notary Public

My Commission Expires: December 26, 1983



**LTR**



**Job separation sheet**

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRODUCTION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

Operator Amoco Production Company	
Address 501 Airport Drive Farmington, NM 87401	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>
	Dry Gas <input type="checkbox"/>
	Condensate <input type="checkbox"/>
Other (Please explain)	

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name W. D. Heath	Well No. 3A	Pool Name, Including Formation Blanco Mesaverde	Kind of Lease State, Federal or Fee Federal	Lease No. SF-076337
Location Unit Letter C : 1110 Feet From The North Line and 1520 Feet From The West Line of Section 17 Township 29N Range 9W , NMPLA, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Plateau Incorporated	4775 Indian School Rd NE, Albuquerque, NM 87110	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Company	P.O. Box 990, Farmington, NM 87401	
If well produces oil or liquids, give location of tanks.	Unit C	Sec. 17
	Twp. 29N	Rge. 9W
	Is gas actually connected? No	
	When	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 4-4-80	Date Compl. Ready to Prod. 6-10-80	Total Depth 4612'		P.B.T.D. 4581'				
Elevations (DF, RKB, RT, GR, etc.) 5657' GL	Name of Producing Formation Mesaverde	Top Oil/Gas Pay 3707'		Tubing Depth 4468'				
Perforations 4068-4074, 4124-4135, 4223-4230, 4241-4250, 4312-4320, 4324-4327, 4374-4386, 4408-4420, 4431-4435, 4446-4453, 3707-3710, 3826-3830, 3832-3850, 3852-3858, 3872-3880 TUBING, CASING, AND CEMENTING RECORD 3885-3920				Depth Casing Shoe 4603'				
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12-1/4"	9-5/8" 32.3#		314'		325			
8-3/4"	7" 23#		2628'		405			
6-1/4"	4-1/2" 10.5#		4603'		300			
	2-3/8"		4468'					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1510	3 hours		
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
back pressure	422 psig	615 psig	.75

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Original copy of 2

E. E. SVCHODA

District Administrative Supervisor

(Date)

1980

OIL CONSERVATION COMMISSION

APPROVED JUL 24 1980

Original Signed by FRANK T. CHAVEZ

BY SUPERVISOR DISTRICT #3

This form is to be filed in compliance with Rule 114.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the production test taken on the well in accordance with Rule 114.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
At least one copy of this form must be filed for change of owner, well name or location, or for a change in the name of the transporter.  
Separate Forms C-104 must be filed for each well in multiple completed wells.



**LTR**



**Job separation sheet**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR  
Amoco Production Company

3. ADDRESS OF OPERATOR  
501 Airport Drive Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 below.)  
1110' FNL X 1520' FWL  
AT SURFACE: Section 17, T29N, R9W  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) completion

## SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐5. LEASE  
SF-076337

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
W. D. Heath "A"

9. WELL NO.

3A

10. FIELD OR WILDCAT NAME

Blanco Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NE/4, NW/4

Section 17, T29N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

30-045-24192

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5657' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Completion operations commenced on 6-5-80. Total depth of the well is 4612', and plug back depth is 4581'. Perforated intervals from 4068-4074', 4124-4135', 4223-4230', 4241-4250', 4312-4320', 4324-4327', 4374-4386', 4408-4420', 4431-4435', and 4446-4453'. Sand water fraced with 67,778 gallons of frac fluid and 122,000# of sand. Perforated intervals from 3707-3710', 3826-3830', 3832-3850', 3852-3858', 3872-3880', 3885-3920'. Sand water fraced with 61,667 gallons of frac fluid and 110,000# of sand. Landed the 2-3/8" tubing at 4468'. Swabbed the well and released the rig on 6-10-80.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Dist. Adm. Supvr.

DATE

7-16-80

(This space for Federal or State office use.)

APPROVED BY

TITLE

DATE

CONCURRENCE OF APPROVAL, IF ANY:

NMOCC

\*See Instructions on Reverse Side