

F

30-045-24668

11-19-88

F. Loc. 830/N; 1020/E Elev. 6129 GL Spd. Comp. TD. PB.

Casing S. @ W Sx. Int. @ W Sx. Pr. @ W Sx. T. @ Csg. Perf. Prod. Stim.

T  
R  
A  
N  
S

I.P. BO/D MCF/D After Hrs. SICP PSI After Days GOR Grav. Ist Del. s

TOPS		NITD	Well Log	TEST DATA							
				Schd.	PC	Q	PW	PD	D	Ref.No.	
Kirtland		C-103	Plat								
Fruitland		C-104	Electric Log								
Pictured Cliffs			C-22								
Cliff House		Ditr	Dfa								
Menefee		Datr	Dac								
Point Lookout											
Mancos											
Gallup											
Sonostee											
Greenhorn											
Dakota											
Morrison											
Entrada											
			N/30								

P  
o  
i Angels Pkg1 SJ 28 27N R 10W U A Oper Amoco Prod. C A. Dandams B No. 2E

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F

30-345-24668

11-19-89

F. Loc. 830/N;1020/E Elev. 6120 L Spd. Comp. TD PB

Casing S. @ W Sx. Int. @ W Sx. Pr. @ W Sx. T. @ Csg.Perf. Prod. Stim.

T  
R  
A  
N  
S

I.P. BO/D MCF/D After Hrs. SICP PSI After Days GOR Grav. Ist Del. s

TOPS		NITD	Wel Log	TEST DATA							
				Schd.	PC	Q	PW	PD	D	Ref.No.	
Kirtland		C-103	Plat X								
Fruitland		C-104	Electric Log								
Pictured Cliffs			C-122								
Coff House		Ditr	Dfa								
Menefee		Datr	Dac								
Point Lookout											
Mancos											
Gallup											
Sanostee											
Greenhorn											
Dakota											
Morrison											
Entrada											

N/320

P Bas Dak Co. SJ S 23 T 27N R 10W U A Of. Amoco Prod. C.A. McAdams B No. 2E

— — — — —

May 20, 1982  
May 20, 1982

Amoco Production Company  
501 Airport Drive  
Farmington, New Mexico 87401

Gentlemen:

Reference is made to your Applications for Permit to Drill (APDs) for the following wells:

1. No. 19 Jicarilla Contract 148, SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 25 N., R. 5 W., Rio Arriba County, New Mexico, Jicarilla Contract 148.
2. No. 21 Jicarilla Contract 148, SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, T. 25 N., R. 5 W., Rio Arriba County, New Mexico, Jicarilla Contract 148.
3. No. 2E C. A. McAdams "B", NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 28, T. 27 N., R. 10 W., San Juan County, New Mexico, lease Santa Fe 077941-A.

The subject APDs are hereby rescinded and returned due to drilling operations not being commenced within a six month extension period following the original approval date.

You are required to request surface rehabilitation instructions from this office if construction activities occurred on the referenced drill sites.

Sincerely yours,

*Elliott*

For James P. Sims  
District Oil and Gas Supervisor

Enclosures

cc: NMOCC





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-845-2-4668

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  
 830' FNL and 1020' FEL, Section 28, T27N, R10W  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 miles Southeast of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 830'

16. NO. OF ACRES IN LEASE  
 2561.84<sup>?</sup> 1280

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 3597'

19. PROPOSED DEPTH  
 6491'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6129' GL

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# K-55	300'	300 sx Class B x 2% CaCl <sub>2</sub> -circ
8-3/4"	7" (New)	26# K-55	6491'	1st Stage- 229 sx CI B 50:50 10Z 2nd Stage- 706 sx (x 6% gel, 2# med tuf plug/sx, .8% FLA x 100 sx CI B Neat (Tail in) circ

This application to drill an Infill Basin Dakota well is pursuant to Order No. R-1670-V approved by the NMOCDC on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-V. The gas from this well is dedicated to El Paso Natural Gas Co.

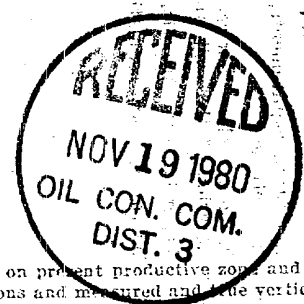
24. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout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

SIGNED W. J. Peterson TITLE District Engineer DATE October 3, 1980

(This space for Federal or State office use)  
**APPROVED AS AMENDED**

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY James F. Sims TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 DISTRICT ENGINEER



23





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

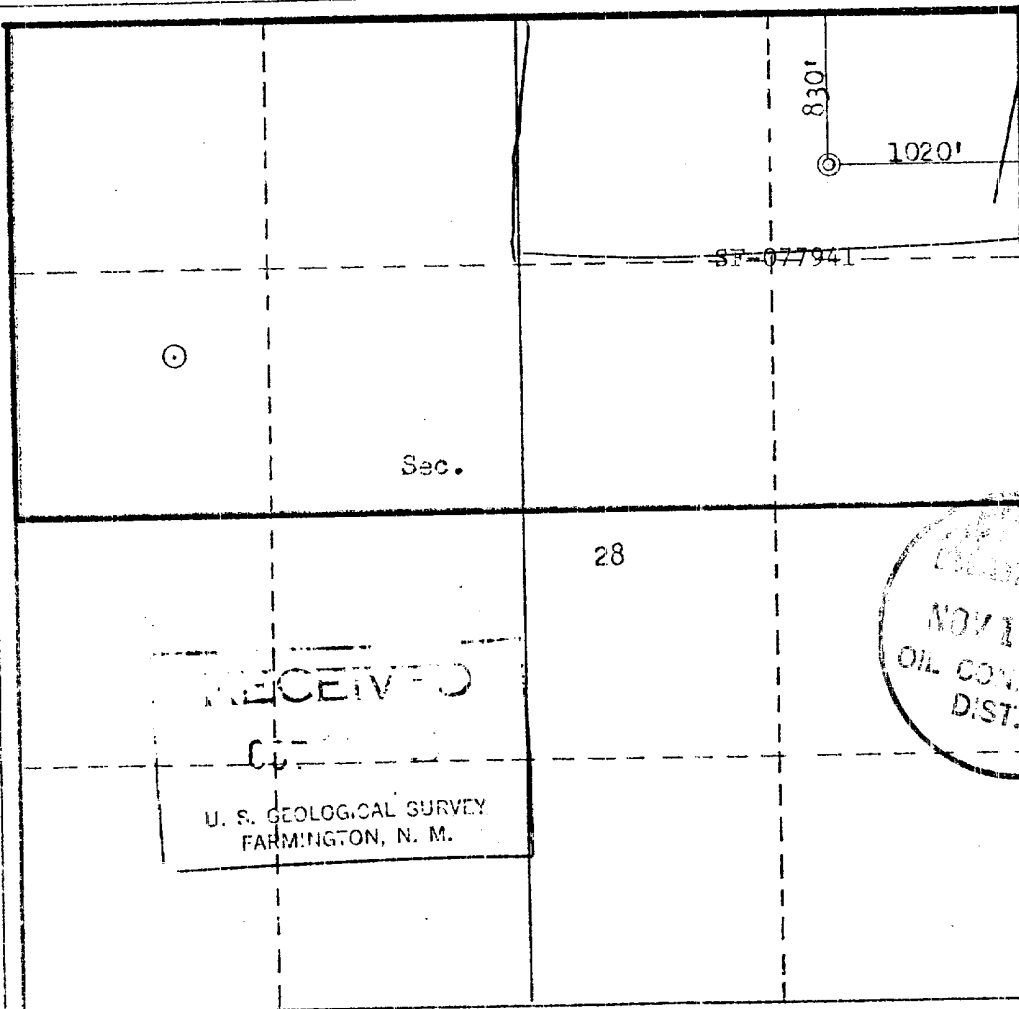
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>C. A. McADAMS "B"</b>		Well No. <b>2E</b>
Unit Letter <b>A</b>	Section <b>28</b>	Township <b>27N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>830</b> feet from the <b>North</b> line and <b>1020</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6129</b>	Producing Formation <b>Dakota/Gallup</b>		Pool <b>Angels Peak Gallup Ext. Basin Dakota</b>		Dedicated Acreage: <b>320/80</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?

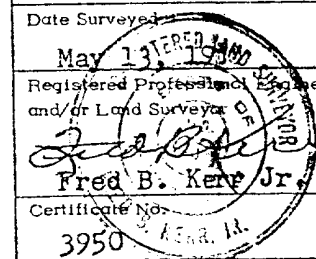
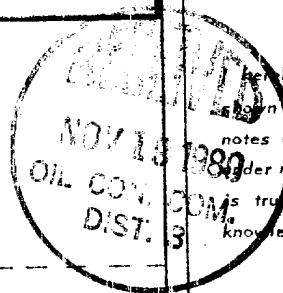
Yes  No If answer is "yes," type of consolidation Communitization

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.	
<i>B. E. Fackrell</i>	
Name	<b>B. E. FACKRELL</b>
Position	<b>DISTRICT ENGINEER</b>
Company	<b>AMOCO PRODUCTION COMPANY</b>
Date	<b>MAY 21, 1980</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 knowledge and belief.	
Date Surveyed	<b>May 13, 1980</b>
Registered Professional Engineer and/or Land Surveyor	<i>Fred B. Kern Jr.</i>
Certificate No.	<b>3950</b>





SUPPLEMENTAL INFORMATION TO FORM 9-331C

C. A. MCADAMS "B" NO. 2E  
 830' FNL & 1020' FEL, SECTION 28, T27N, R10W  
SAN JUAN COUNTY, NEW MEXICO

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

Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>	
Ojo Alamo	796'	+5346'	
Kirtland	962'	+5180'	
Fruitland	1621'	+4521'	
Pictured Cliffs	1847'	+4295'	
Chacra (if present)	'	'	
Mesaverde	Cliff House	3423'	+2719'
	Point Lookout	4278'	+1864'
Gallup	5367'	+ 775'	
Dakota	6301'	- 159'	
TD	6491'	- 349'	

Estimated KB elevation: 6142'

Drilling fluid to TD will be a fresh water, low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

SP-Induction-GR  
 FDC-CNL-GR

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

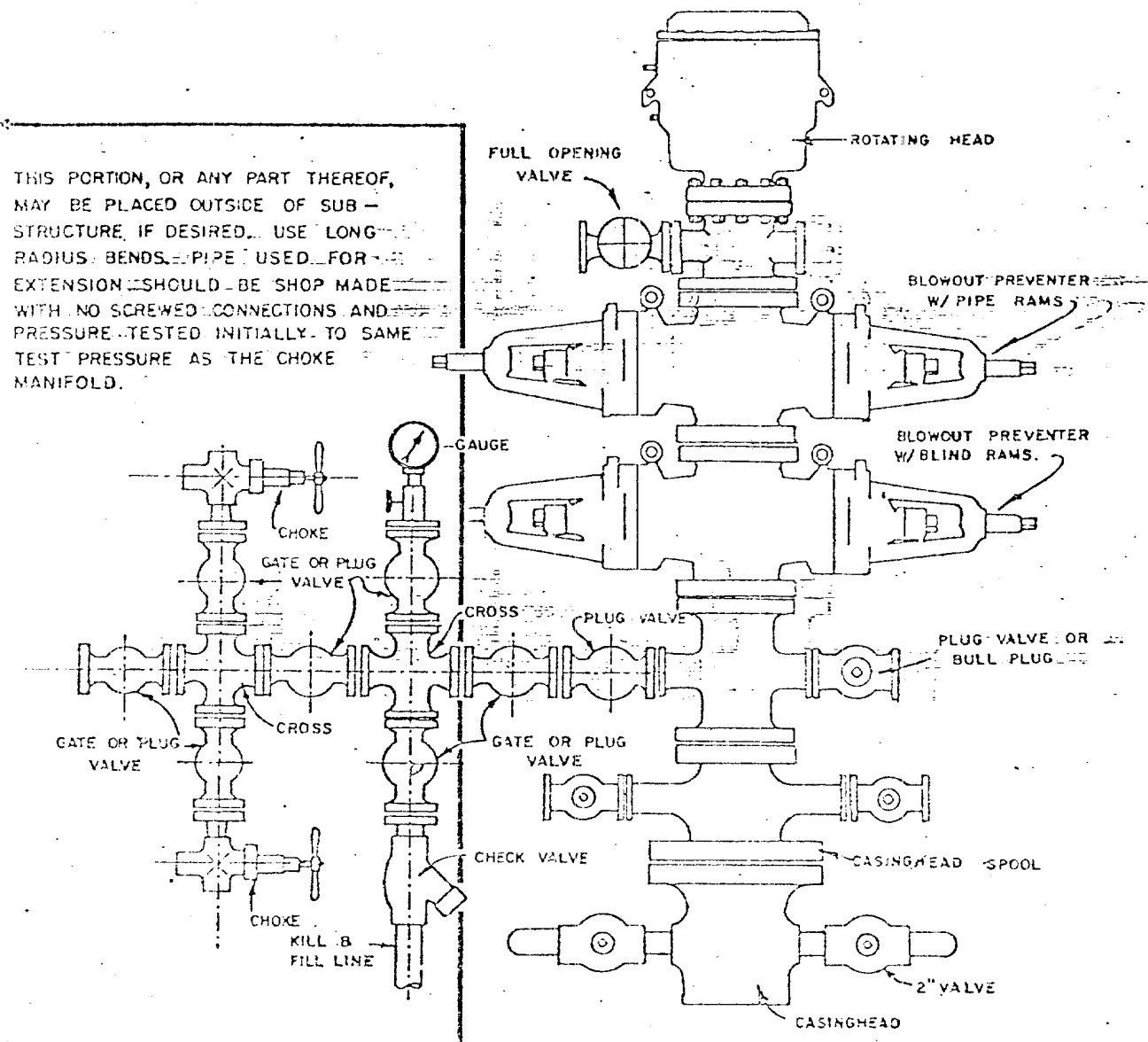
Operations will commence when permitted and last approximately 3 weeks.

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

In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.



1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



### BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1959

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.



MULTI-POINT SURFACE USE PLAN

C. A. MCADAMS "B" NO. 2E  
830' FNL & 1020' FEL, SECTION 28, T27N, R10W  
SAN JUAN COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build an access road four-tenths of a mile in length, 20 feet wide and bar ditched on one side, and will cross one wash.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
4. There is a 380-barrel tank and facilities located at C. A. McAdams "B" Well No. 2, approximately three-fourths mile west.
5. Water will be hauled from Kutz Wash water holes.
6. No construction materials will be hauled in for this location.
7. A 150' by 150' 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. If any liquids remain, they will be hauled away prior to back filling.
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. An 8-foot cut will be made on each corner of location.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out according to Bureau of Land Management specifications.
11. The general topography is a canyon bottom with northwesterly drainage and alluvial surface deposits, hilly with two small washes to divert. The soil is a sandy clayey loam with vegetation consisting of sagebrush, native grasses and juniper.

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

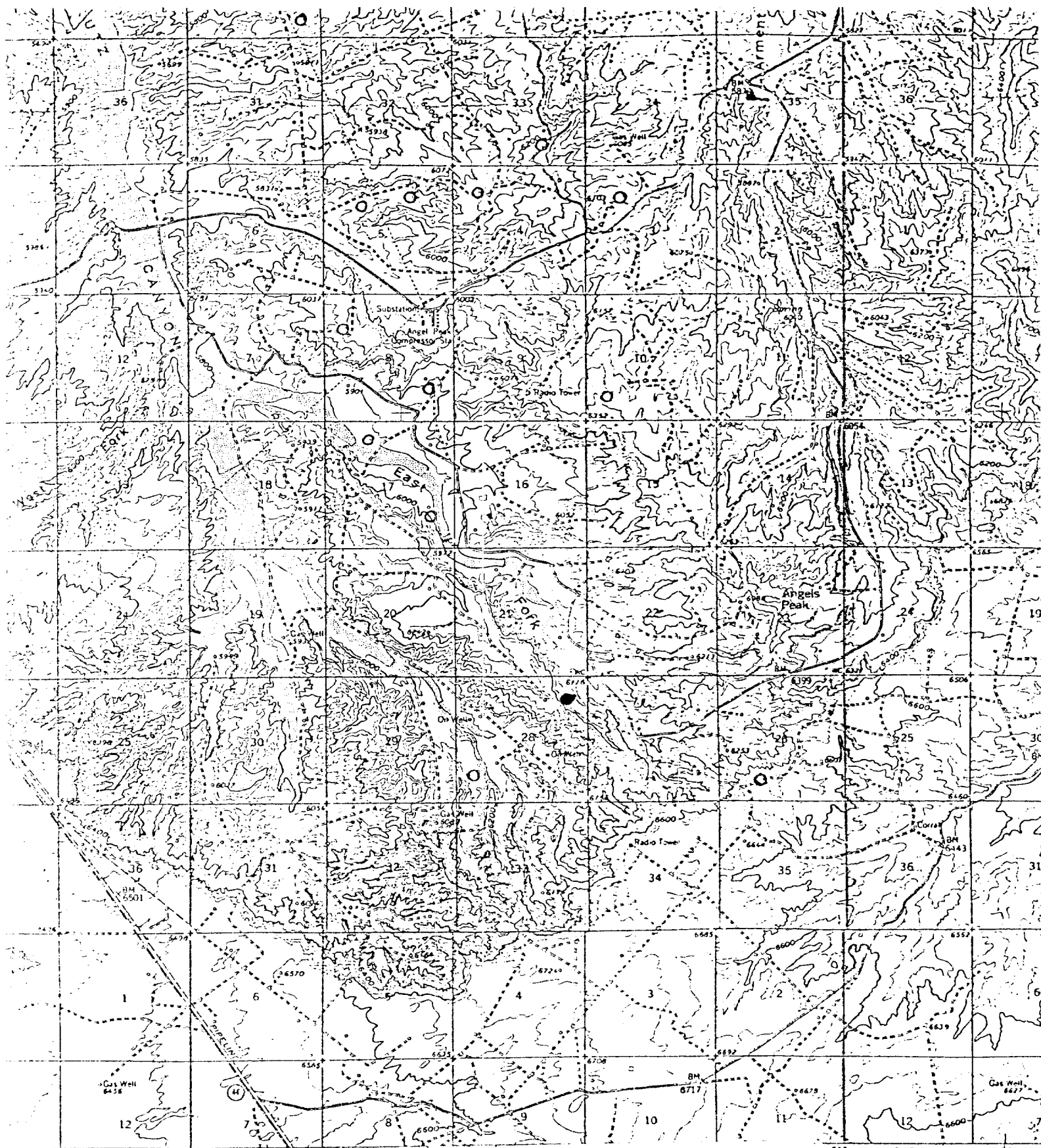
Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the 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 September 29, 1980

  
R. W. Schroeder, District Superintendent







7 450000 FEET 235 BLANCO T 244 R. 10 W. 50' R 9'

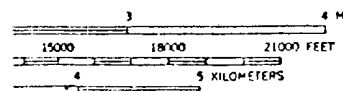
Geological Survey

Form serial 1060

Datum  
Coordinate system.

Grid ticks.

Vicinity Map for  
 AMOCO PRODUCTION CO. #2E C.A. McADAMS "B"  
 830'FNL 1020'FEL Sec. 28-T27<sup>N</sup>-R10W  
 SAN JUAN COUNTY, NEW MEXICO



CONTOUR INTERVAL 40 FEET  
 DATUM IS MEAN SEA LEVEL

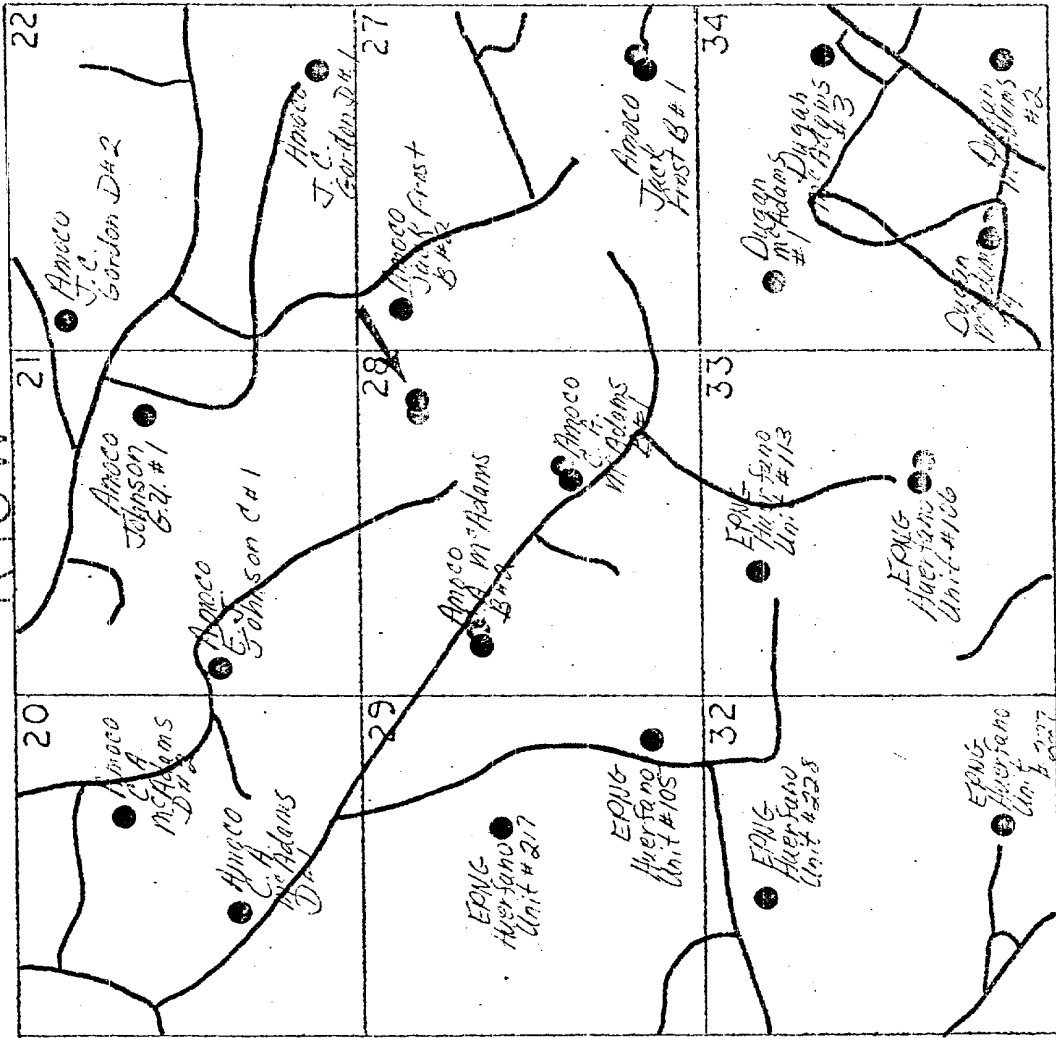
UTM GRID AND 1980 MAGNETIC NORTH  
 DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242



C. A. MCADAMS B #2E

R10W

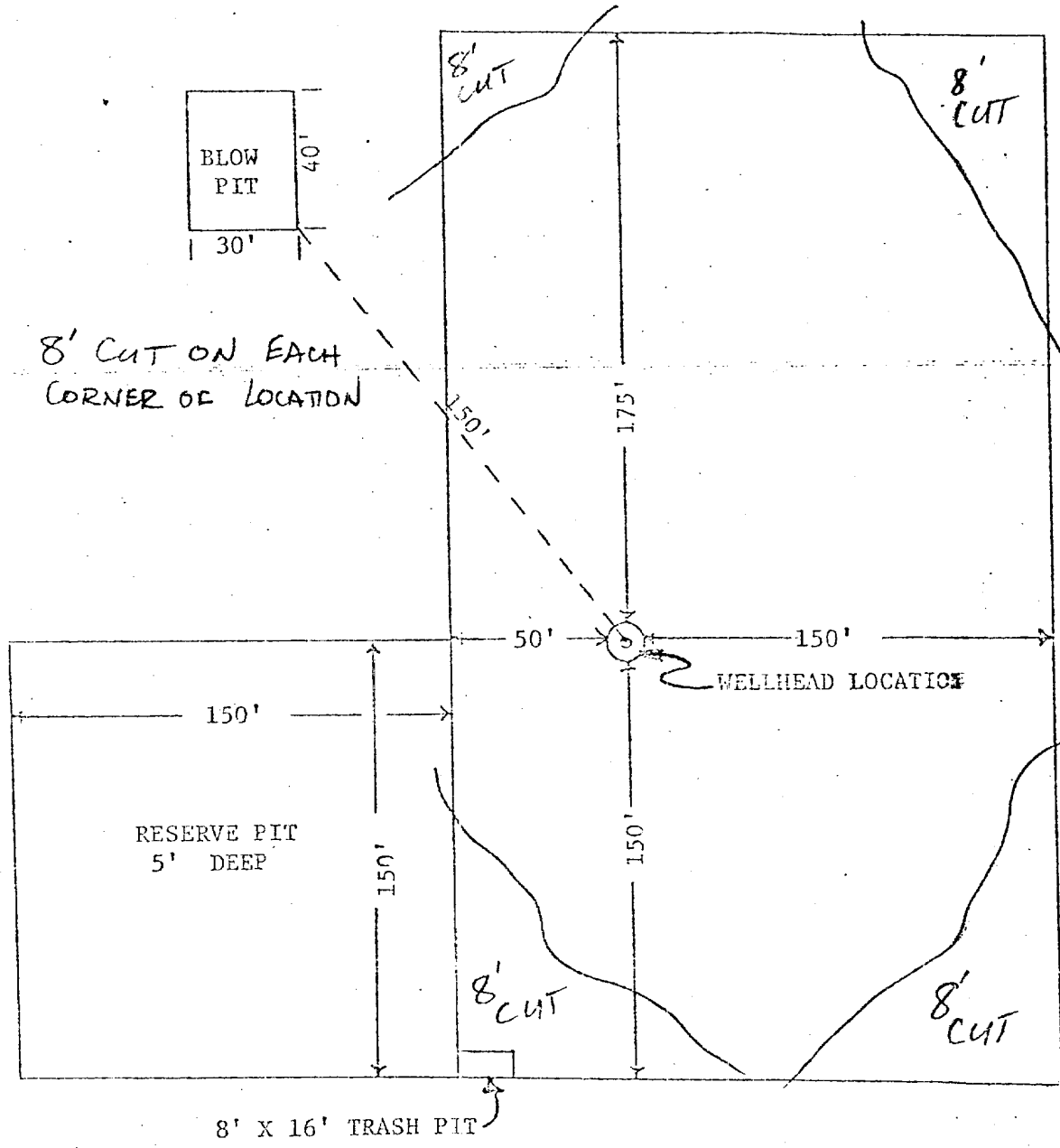


T 27 N

PROPOSED WELL LOCATION

EXISTING DAKOTA WELLS  
DUAL DAKOTA-GALLUP WELLS  
EXISTING GALLUP WELLS  
ROADS





8' CUT ON EACH CORNER OF LOCATION

APPROXIMATELY 1.2 ACRES

Amoco Production Company	SCALE: 1"=50'
DRILLING LOCATION SPECIFICATIONS	
C.A. McAdams "3" No. 2E	DRG. NO.



**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 Dr., Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 830' FNL x 1020' FEL.  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. LEASE  
SF-077941

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
C. A. McAdams "B"

9. WELL NO.  
2E

10. FIELD OR WILDCAT NAME Basin  
Angels Peak Gallup ext./Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NE/4, NE/4, Section 28, T27N, R10W

12. COUNTY OR PARISH San Juan      13. STATE New Mexico

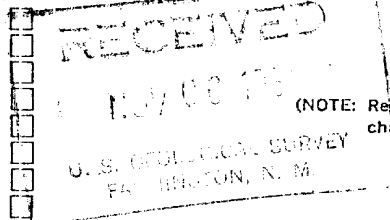
14. API NO.  
30-045-24668

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6129' G.L.

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) APD Extension

SUBSEQUENT REPORT OF:



(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.)\*

Amoco Production Company requests an extension of approval for drilling as the approval expires 11-18-81. Our plans call for drilling this well in the near future. *Extended to 5-18-82*



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Original Signed By *[Signature]* TITLE District Engineer DATE 11-5-81

(This space for Federal or State office use)

APPROVED BY (Orig. Sgd.) RAYMOND W. VINYARD TITLE ACTING DISTRICT SUPERVISOR DATE NOV 09 1981

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

**NMOCC**

