

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Artesia, NM 88210

30-015-24148

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 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Amoco Production Company

3. ADDRESS OF OPERATOR
 P. O. Box 68, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1650 FNL x 1980 FWL
 At proposed prod. zone Sec. 29 (Unit F, SE/4NW/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 57 MI Southwest of Jal N.M.

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

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

19. PROPOSED DEPTH
 14,700

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 2959.7 GL

22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
 NM 19612

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
RECEIVED

7. UNIT AGREEMENT NAME
 APR 20 1982

8. FARM OR LEASE NAME
 Federal BF Com. O. C. D.

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Wildcat Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 29-26-30

12. COUNTY OR PARISH
 Eddy

13. STATE
 NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26	20	94	400	Circ. to Surface
17-1/2	13-3/8	48#	3400	Tie back to 20"
12-1/4	9-5/8	36#	11700	Tie back to 13-3/8
8-1/2	5-1/2	20#	14700	Tie back to 9-5/8

Ported ID-1
API & 71L Book
4-23-82

Propose to drill and equip well in the Morrow formation. After reaching TD logs will be run and evaluated; perforate and stimulate as necessary in attempting commercial production.

RECEIVED
APR 16 1982

Mud Program: 0-400 Native Mud and Fresh water.
 400-3400 Native Mud & Brine water.
 3400-11,700 Native mud & Brine water.
 11,700-14,700 Commercial Mud and Brine with minimum properties for safe hole conditions. Will raise viscosity and reduce water loss prior to Morrow penetration.

OIL & GAS
U.S. GEOLOGICAL SURVEY
DOWNEY, NEW MEXICO

Archaeological Survey attached.
 BOP Program attached. Gas is not dedicated.

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 Mark Randolph TITLE Assist. Admin. Analyst DATE 3-23-82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) GEORGE H. STEWARD TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
 FOR _____

*See Instructions On Reverse Side

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SUBMIT IN TRIPLI
(Other instructions
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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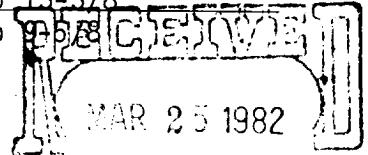
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 BOP Program attached. Gas is not dedicated.

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SIGNED Mark Randolph TITLE Assist. Admin. Analyst DATE 3-23-82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY GEORGE H. ... TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:
 FOR 20-1/2" H Surface cas @ 400 feet - circ.

*See Instructions On Reverse Side

NEW MEXICO DEPARTMENT OF LAND SURVEY AND MINES
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes L-126
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Production Company		Fed. B. F. Com.		Amoco	
29	26 South	30 East	Eddy		
north		1980	west		
2059.7'	Morrow	Wildcat Morrow	320		

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

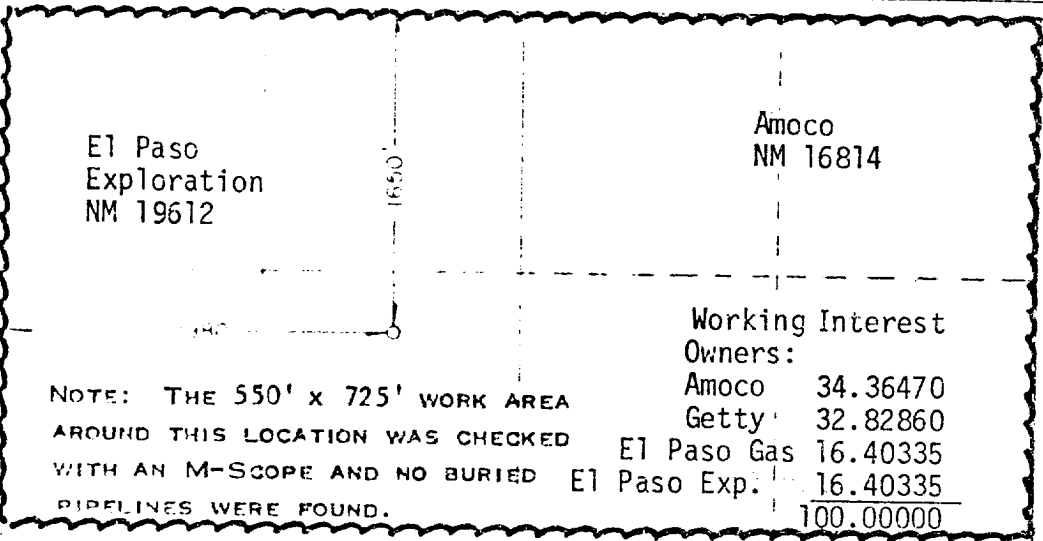
2. If any acreage is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If any acreage of different ownership is dedicated to the well, have the interests of all owners been consolidated, communitization, unitization, force-pooling, etc?

X If answer is "yes," type of consolidation Communitization

4. List the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary)

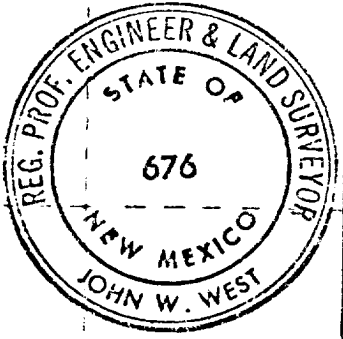
5. If the well is to be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, etc. or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Working Interest Owners:

Amoco	34.36470
Getty	32.82860
El Paso Gas	16.40335
El Paso Exp.	16.40335
Total	100.00000

Royalty:
U.S. Government



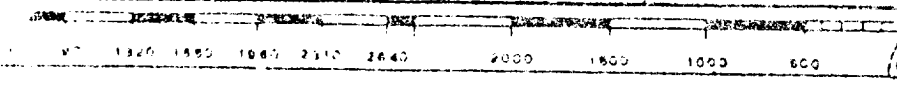
CERTIFICATION

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

Name: Mark Randolph
Position: Assist. Admin. Analyst
Company: Amoco Production Company
Date: 3-24-82

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: 2-16-82
Registered Professional Engineer and/or Land Surveyor: John W. West
Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 8668
Ronald J. Eldon 3239



3000# W.P. TWO-RAM BOP

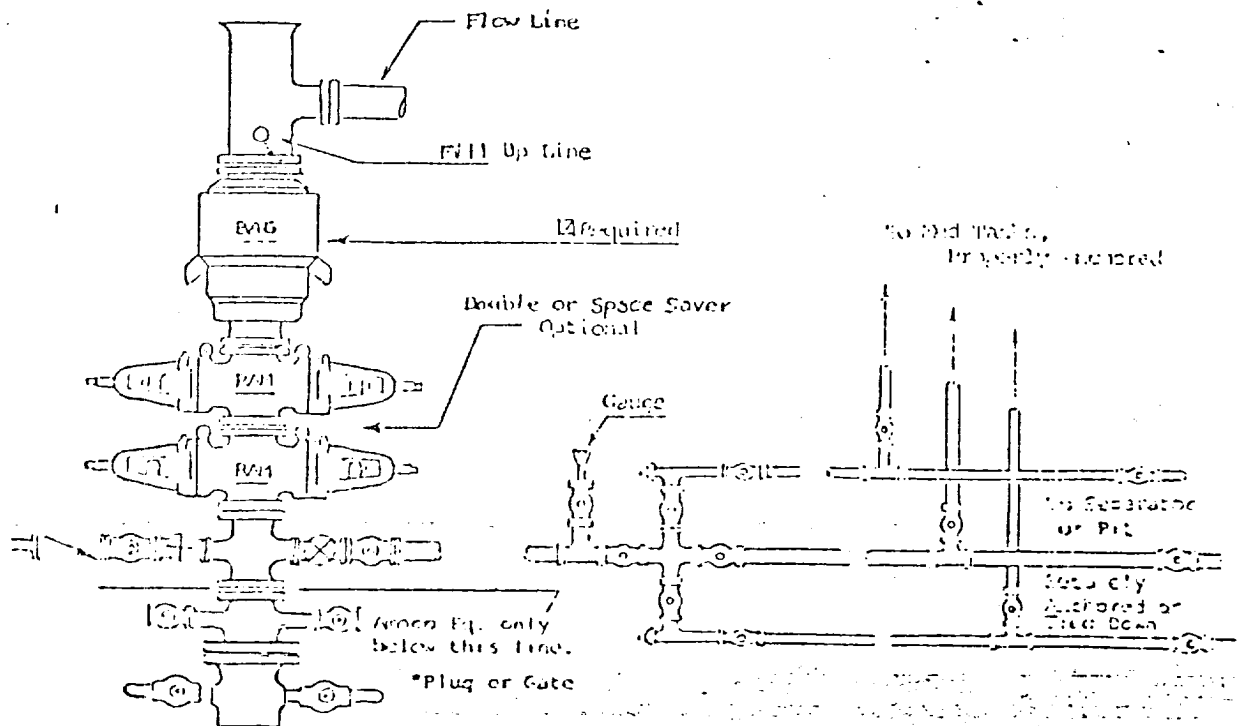
1. BOP'S TO BE FLUID OPERATED.
2. BOP'S AND ALL FITTINGS MUST BE IN GOOD CONDITION AND RATED AT 3000 PSI W.P. MINIMUM.
3. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AT LEAST AS LARGE AS CASING SIZE BEING DRILLED THROUGH.
4. NIPPLE ABOVE BOP'S SHALL BE SAME SIZE AS LAST CASING SET.
5. UPPER KELLY COCK IS REQUIRED AND SHALL BE 3000# W.P. MINIMUM.
6. T. I. W. OR COMPARABLE SAFETY VALVE SHALL BE AVAILABLE ON RIG FLOOR WITH CONNECTION OR SUBS TO FIT ANY TOOL JOINT IN THE STRING. VALVE TO BE FULL BORE 5000# MIN.
7. VALVE NEXT TO SPOOL SHALL BE 4". OTHER EQUIPMENT MAY BE 3" OR 4". ALL CHOKE MANIFOLD EQUIPMENT SHALL BE FLANGED. FLOW LINE FROM MANIFOLD TO BE MINIMUM OF 3" AND STRAIGHT AS POSSIBLE WITH MINIMUM BENDS.
8. FLUID LINES FROM ACCUMULATOR TO BOP'S AND ALL REMOTE CONTROL FLUID LINES SHALL BE STEEL, AND RATED AT OR ABOVE MAXIMUM ACCUMULATOR PRESSURE. LINES SHALL BE ROUTED IN BUNDLES AND ADEQUATELY PROTECTED FROM DAMAGE.
9. USE RAMS IN FOLLOWING POSITIONS:*

	<u>DRILLING</u>	<u>RUNNING CASING</u>
UPPER RAM	DRILL PIPE	CASING
LOWER RAM	BLIND	BLIND

*AMOCO AREA SUPT. MAY REVERSE LOCATION OF RAMS.

10. CHOKE MANIFOLD, BEYOND SECOND VALVE FROM CROSS MAY BE OPTIONALLY POSITIONED OUTSIDE OF SUBSTRUCTURE.
11. EXTENSIONS AND HAND WHEELS TO BE INSTALLED AND BRACED AT ALL TIMES.
12. TWO INCH (2") LINES AND VALVES ARE PERMITTED ON THE KILL LINE.

NOTE: ALL UNMARKED VALVES MAY BE PLUG OR GATE VALVE, METAL TO METAL SEAL.



3000# W.P.

Attachment to "Application for Permit to Drill", Form 9-331 C

FEDERAL BF Com #1
1650 FNL x 1980 FWL, Sec. 29, T-26-S, R-30E
Eddy County, N.M.

1. Location

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

quaternary

4. Type of drilling tools and associated equipment to be utilized.

See Form 9-331 C

5. Proposed drilling depth.

See Form 9-331 C

6. Estimated tops of important geologic markers.

Delaware	3370	Strawn	13,300
Bone Spring	7200	Atoka	13,550
Wolfcamp	10650	Morrow	14,000

7. Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected to be encountered.

Delaware	3370	Wolfcamp	10650	Atoka	13550
Bone Springs	7200	Strawn	13300	Morrow	14000

8. Proposed casing program, including size, grade, and weight of each string and whether it is new or used.

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>New or Used</u>
3400	13-3/8	48#	N-80	New
11700	9-5/8	36#	N-80	New
14700	5-1/2	20#	N-80, S-95	New

9. Proposed cementing program.

13-3/8	Circulate to Surface
9-5/8	tie back to 13-3/8
5-1/2	tie back to 9-5/8

10. Blowout Preventer Program is attached.
11. Type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling, and the quantities and types of mud and weighting material to be maintained.
- | | |
|-------------|--|
| 0-3400 | Native mud and Fresh water |
| 3400-11700 | Native mud and Brine water |
| 11700-14700 | Commercial Mud and brine with minimum properties for safe hole conditions. |

12. Testing, logging and coring programs to be followed with provisions made for required flexibility.
- | | |
|--------------------------------|----------|
| Compensated Neutron Log | 11700-TD |
| Dual laterolog; Micro SFL | 11700-TD |
| Borehole compensated Sonic Log | 11700-TD |

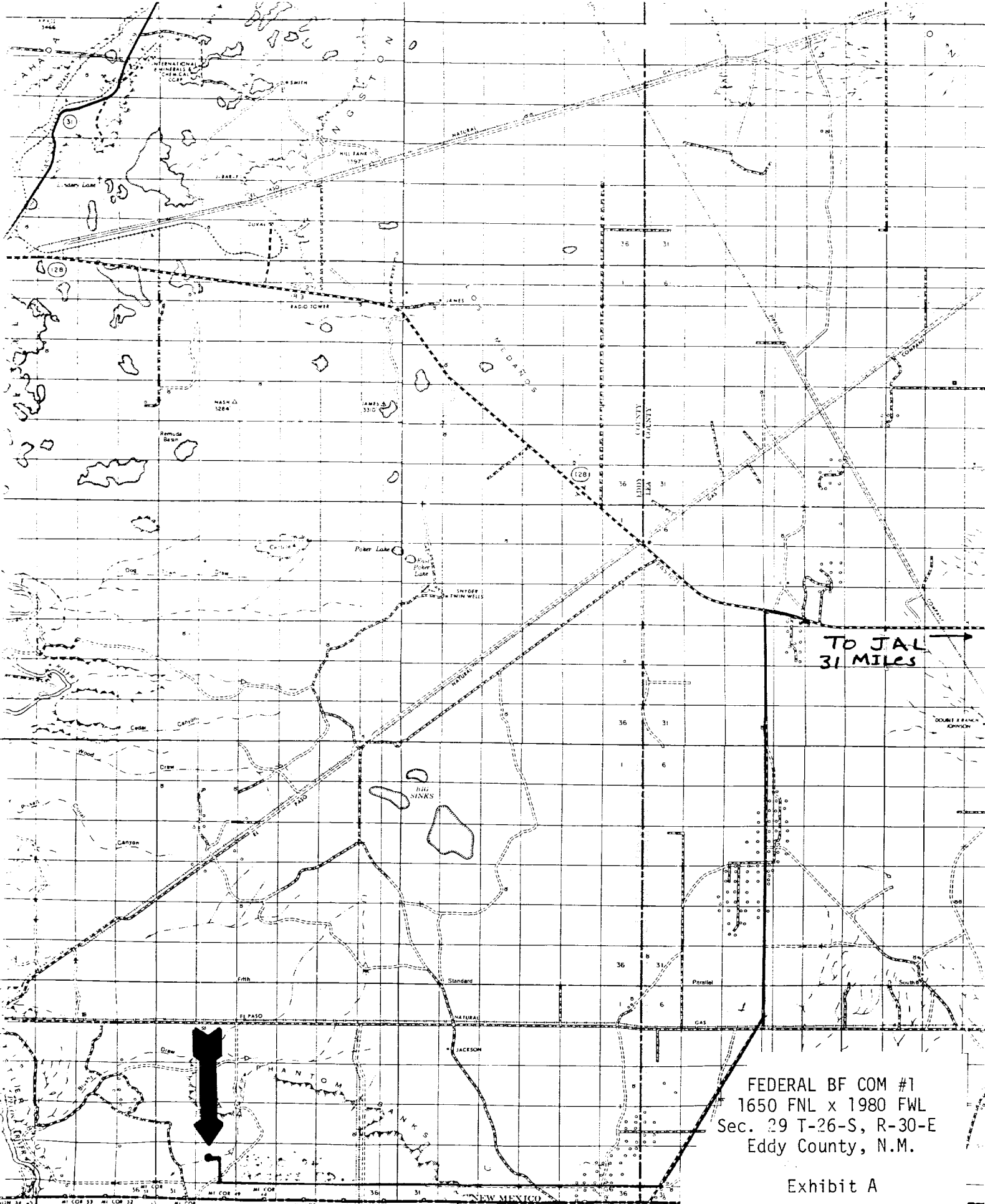
13. Any anticipated abnormal pressure or temperatures expected to be encountered or potential hazards, such as hydrogen sulfide gas, along with plans for mitigating such hazards.

None anticipated

14. Anticipated starting date and duration of operation.
- April 15, 1982 - June 1, 1982

15. Other facets of the proposed operation operator wishes to point out for the Geological Survey's consideration of the application.

Request exemptions from the painting stipulations of Sec. 102 (a) (8) of the 'Federal Land Policy and Management Act of 1976' to paint any tanks, separators, and treaters required for the production of this well, Amoco's standard gray color. If a pumping unit is required for the continued production of this well, it will be painted black with orange safety color coding which conforms with your current painting guidelines.



TO JAL
31 MILES

FEDERAL BF COM #1
1650 FNL x 1980 FWL
Sec. 29 T-26-S, R-30-E
Eddy County, N.M.

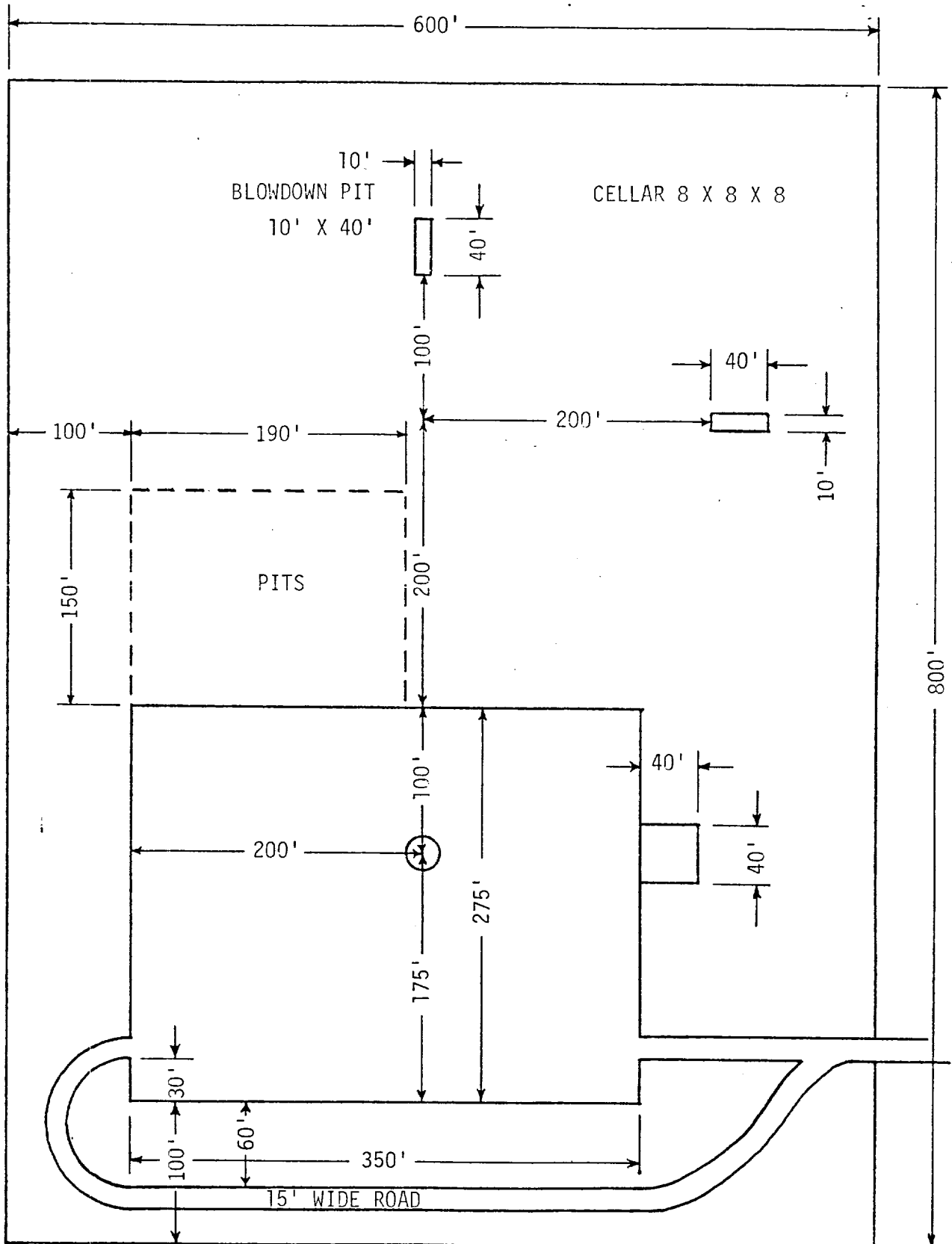
Exhibit A

104 by U.S. Coast and Geodetic Survey, U.S. Geological
Survey, U.S. Forest Service, Bureau of Land Management and
1000 Devonian-Modified Conic Projection Standard
to 49° North American Datum

Scale 1:15000 or 1 inch = 3 Miles
Longitude West from Greenwich
STATUTE MILES

DATE OF INVENTORY
EDDY COUNTY 1765
LEA COUNTY 963

DRILL SITE DIMENSIONS



FOR WELL 8000' OR DEEPER

FEDERAL BF Com #1
 1650 FNL x 1980 FWL
 Sec. 29 T-26-S R-30E
 Eddy County N.M.

Exhibit D

19	Bassey Conf'l-Fed 20 Boss Conf'l Fed TO 3688 DAS 12-63 Sun to 156	Richardson Oil 21-1-81(2) 05033	Richardson Oil 22 E. Passon Richardson Oil 22-1-81(2) 05033 J. L. Harrison et al HBP 063875 Alamo Poker Lake No. 4 ET 3359 TO 3950 D/A 9-19-58 27	24	Richardson Oil 21-1-81(2) 063079	Richardson Oil HBU 061634		
29	Continental HBP 064834 POKER LAKE	Richardson Oil 28 J.R. Harrison et al 6-1-81(2) 05033 Sun to 581	Richardson Oil 27 J.R. Harrison et al HBP 063875 Paulley Pet. Co.	26	Richardson Oil HBP 063875 Paulley Pet. Co.	30	Richardson Oil HBU 061634	
31	Richardson Oil HBU 03103	Rich. O. B. Bass HBU E-2642	Richardson Oil 33 R.L. Harrison et al 6-1-81(2) 05033 Le. Oil Fed TO 3925 D/A 12-5-74	34	Richardson Oil 6-1-81(2) 05033	Richardson Oil HBU 061634		
6	El Paso Expl. 9-1-84 00679	E.C. Poney 11-1-86 39145 Hankamer Hankamer 7-1-83 TO 3368 D/A 10-12-77	Rich. Oil HBU 069852 Tex Pac et al 1/2 T.L. Ingram 2-1-83 16127	3	Texaco 11-1-86(2) 069513 HBU Sun 11-1-86 492	Richardson Oil HBU 061634		
5	McElvany, et al Fed TO 3300 D/A 4-10-78	Tex Pac et al 1/2 T.L. Ingram 16127	Richardson Oil HBU 069513	2	Superior 10-1-86 LS-3839 17189 Chairman 11-1-86 TO 3301 D/A 3-28-80 D/A 3-28-80	6	Continental HBU 02733	
7	Yates et al 1-89 31649	Tex Pac et al 1/2 T.L. Ingram 16127	Richardson Oil HBU 069513	11	Continental 068337	Barbara Davis 0459594		
8	Yates et al 1-89 31649	9	Richardson Oil HBU 069513	12	Richardson Oil 068337	7	Barbara Davis 0459594	
17	Abby Corp. Pioneer Prod. 6-1-84 27865 Abby Corp. 1-83 17225 Pioneer Prod. 6-1-84 26965	16	W.J. Weaver Director Elwaco Corp El 3875 18 1588 VA 4-14-58	15	Estoril et al J.C. Williamson 3-1-84 20369	14	Barbara Davis 0459594	
19	New Era Roy 6-1-84 20966	El Paso Expl. 12-1-83 19572 Amoco 10-1-82 16814 Chambers & Kennedy et al TO 3515 D/A 3-20-55	21	J.C. Williamson et al 1-1-74 0480904	23	El Paso Expl. 4-1-82 15911 Barnett TO 225 El Paso Expl. 8-1-82 16343	19	Barbara Davis 0459594
29	Amoco 4-1-84 20970	J.C. Williamson et al 2-1-83 19612 El Paso Expl. 10-1-83 17225 D/A 3-7-69 D/A 3-7-69	28	J.C. Williamson et al 1-1-83 17225 Ike Lovelady Petro Ross Draw Fed D/A 1-30-77	27	J.C. Williamson et al 055443 Florida Expl Ross Draw Disc. Elwaco 30MII El Paso Ross Draw	26	A.R. Co. 8-1-74 0554489
31	Jonn Castle 9-7-85 31325	Estoril 1-1-74 0480904	33	J.C. Williamson et al 1-1-74 0554499	34	A.R. Co. HBP 11-1-74 11042	30	Union 438001



FEDERAL BF COM #1
1650 FNL x 1980 FWL
Sec. 29 T-26-S R-30-E
Eddy County, N.M.

Exhibit C