

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

June 10, 1971

Amoco Production Company
Security Life Building
Denver, Colorado 80202

Attention: Mr. R. B. Giles

Administrative Order NSL-504

Gentlemen:

Reference is made to your application for approval of an unorthodox well location for your Gallegos Canyon Unit No. 257 located 2130 feet from the South line and 2030 feet from the West line of Section 19, Township 28 North, Range 11 West, NMPM, Undesignated Fruitland Pool, San Juan County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/GMH/dr

cc: Oil Conservation Commission - Aztec
Oil & Gas Engineering Committee - Hobbs
United States Geological Survey - Farmington



SANTA FE, NEW MEXICO 87501

1007, 1010, 1011

[illegible]

100-443887-1

804-196. number not yet assigned

NOTED

Reference is made to your application for assignment of a new home well location for your College Canyon Unit No. 212 located 210 feet from the town line and 1730 feet from the west line of section 19, Township 28 North, Range 13 West, N10W, T28N, R13W, Garfield County, New Mexico.

the above-mentioned location is hereby approved.

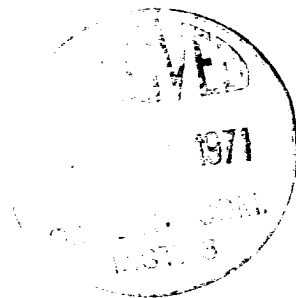
DATE: JUL 9 1968

70, 80, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050,

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United States Geological Survey - Washington
 101 - Civil Engineering Commission - Washington
 102 - Civil Engineering Commission - Washington





Amoco Production Company

Security Life Building
Denver, Colorado 80202

Producing Department

H. T. Hunter
Division Production
Manager

W. M. Jones
T. M. Curtis
District Superintendents

May 14, 1971

File: AMR-863-986.511

Re: Unorthodox Well Location
Gallegos Canyon Unit No. 257
Undesignated Fruitland
San Juan County, New Mexico

Mr. A. D. Porter, Jr. (3)
New Mexico Oil Conservation Commission
P. O. Box 2588
Santa Fe, New Mexico

Dear Sir:

Amoco Production Company, operator of the Gallegos Canyon Unit, respectfully requests administrative approval to recomplete Gallegos Canyon Unit No. 257 to the Fruitland formation. This well, located 2130' FSL and 2030' FWL, Section 19-T28N-R11W, is closer than 790' to the boundary of the 160 acre tract comprising the SW/4 of Section 19 and would be unorthodox for a Fruitland sand test under Commission Rule 104 B II(a).

Well No. 257 was completed in March, 1967 as a water injection well in the Pinon Gallup secondary recovery project. Temperature surveys obtained during early 1968 showed that much of the water being injected was being lost to the shale zone lying above the Gallup sand. Attempts to shut off this "thief" zone were unsuccessful. The well is currently taking only 47 BWPD at maximum injection pressure of 1,200 psi, with cumulative injections of 220,000 barrels. The closest offset producer, Well No. 258, has been shut-in since March, 1969 when production went to 100% water. The only other offset producer, Well No. 254, is producing only 8 BOPD and 1 BWPD. It is evident that Well No. 257 has no further value as a water injection well, and abandonment of the Gallup zone is therefore planned.

The electric log obtained during completion of Well No. 257 shows a well developed Fruitland sand at a depth of approximately 1,305 feet which appears to be potentially gas productive. This same sand is very highly productive in the nearby Pinon Fruitland Pool. Based on our analysis of all wells in this general area which have logged the Fruitland formation, the sand in Well No. 257 may be an extension of the Pinon Fruitland development. This can be confirmed only by pressure data obtained upon recompletion. The nearest well in that Pool, Gallegos Canyon Unit Well No. 261, is currently producing 325 MCFD and has a cumulative production of nearly 700,000 MCF since completion in April, 1967.

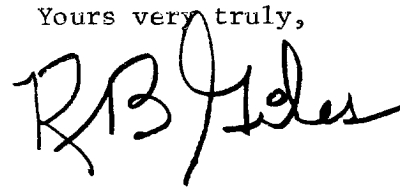
Attached hereto is a plat showing the ownership of all leases offsetting the spacing unit for this unorthodox location, and all wells completed thereon.

The owners of Gallup and Fruitland rights in the Gallegos Canyon Unit have approved this recompletion. By certified mail, we are furnishing National Drilling Company a copy of this application, they being the only owner of Gallup rights in offsetting spacing units outside the Gallegos Canyon Unit. National Drilling has approved this recompletion as an owner within the Gallegos Canyon Unit.

Commission Rule 104 F provides the Secretary-Director authority to grant location exceptions when the necessity thereof is based upon the recompletion of a well previously drilled to another horizon, provided such well was drilled at an orthodox location for such original horizon. Well No. 257 was drilled at a location authorized under NMOC Order No. R-3163 dated December 9, 1966 covering the Pressure Maintenance Project in the Pinon Gallup Pool.

We respectfully request therefore that you approve this unorthodox location without notice and hearing.

Yours very truly,



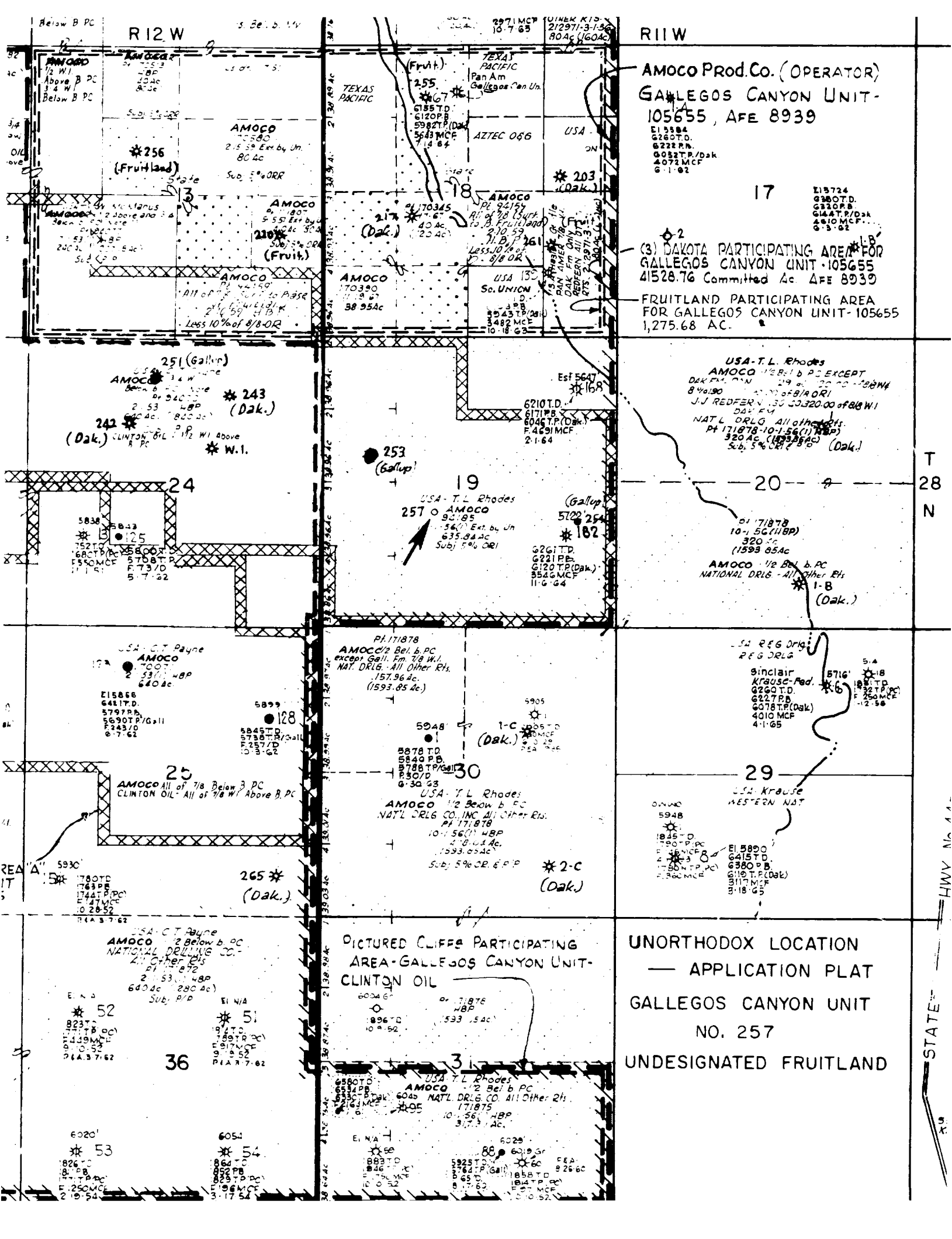
Attachment

cc: Mr. E. C. Arnold (2)
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

United States Geological Survey (2)
P. O. Box 965
Farmington, New Mexico

United States Geological Survey (2)
Drawer 1857
Roswell, New Mexico

National Drilling Company, Inc.
4810 North Kenneth Avenue
Chicago, Illinois 60630



AMOCO Prod.Co. (OPERATOR)
GALLEGOS CANYON UNIT-
105655, AFE 8939

(3) DAKOTA PARTICIPATING AREA FOR
GALLEGOS CANYON UNIT-105655
41528.76 Committed Ac. AFE 8939
FRUITLAND PARTICIPATING AREA
FOR GALLEGOS CANYON UNIT-105655
1,275.68 AC.

UNORTHODOX LOCATION
— APPLICATION PLAT
GALLEGOS CANYON UNIT
NO. 257
UNDESIGNATED FRUITLAND