



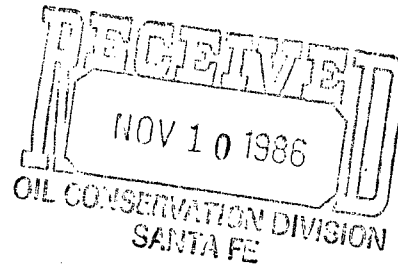
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 11-6-86

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____



Gentlemen:

I have examined the application dated 10-20-86
for the ARCO Toupin Federal #6 A-18-24N-3W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve
This well was the Toupin Federal
18 # 2E

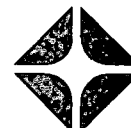
Yours truly,

E. B. Buel

Release Nov 6, 1986

By DCC

ARCO Oil and Gas Company
Central District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 688 5200
October 13, 1986



Mobil Producing Texas and New Mexico Inc.
500 Illinois
Midland, Texas 79702
Attn: Land Department

NSK-2301
RULE-104 (E)

Re: Spacing Exception; ARCO Tonkin Federal #18-2E, Rio Arriba County,
New Mexico

Gentlemen:

Ded Acreage
NE 1/4 and lots 1 & 2 Section 18

West Lindrith Gallup
Dakota Pool

ARCO Oil and Gas Company, a division of the Atlantic Richfield Company, is seeking a spacing exception in the developement of the aforementioned lease. The subject well falls under West Lindrith Gallup/Dakota State Pool Rules which require well locations to be a minimum of 330' from all quarter quarter section lines. Because of topographical considerations, it is necessary to locate the Tonkin Federal #18-2E well 190' from a governmental quarter quarter section line at 1130' FNL and 330' FEL, Section 18, T24N, R3W, Rio Arriba County, New Mexico.

As part of our application to the State of New Mexico for a spacing exception, we are contacting leasees whose acreage borders the subject 80 acre spacing unit. Mobil Producing borders this acreage to the north in Sections 7 and 8 of T24N, R3W. A copy of the surveyor's plat is enclosed for your review.

Please call me at (915)688-5675 with any questions or concerns.

Very truly yours,

Sandy Stash-Zdinak
Sandy Stash-Zdinak
Drilling Engineer

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

Operator ARCO OIL & GAS COMPANY		Lease TONKIN FEDERAL 18		Well No. 2E
Unit Letter A	Section 18	Township 24N	Range 3W	County Rio Arriba
Actual Postage Location of Well: 1130 feet from the North line and 330 feet from the East line				
Ground Level Elev. 6864	Producing Formation	Pool	Dedicated Acreage Acres	

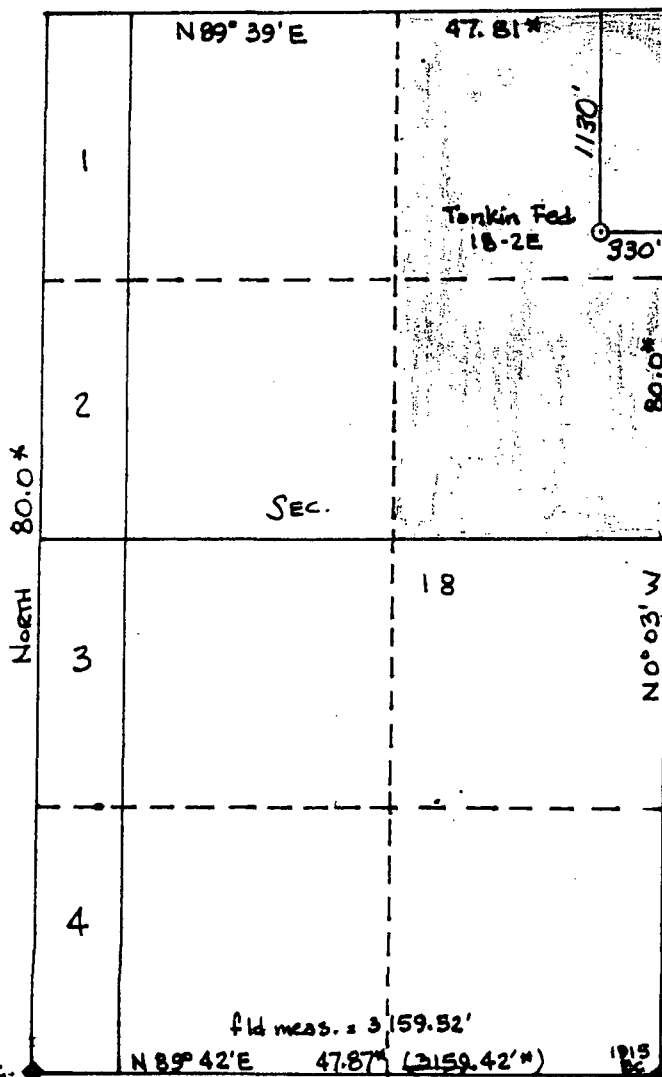
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

* Record GLO plot 1917



CERTIFICATION

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

Daniel E. Lowe

Name **DEL**

DRLG ANAL SUPV

Position

ARCO OIL & GAS CO

Company

A DIVISION OF ATLANTIC RICH.

Date

OCT 14, 1986

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.

8894

EXHIBIT "B"
TORO MAP VICINITY
AND ONE MILE RADIUS

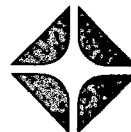
ARCO
MOBILE
JILLSON

JILLSON FEDERAL
MOBILE #4
WO HUGHES #3
WO HUGHES #5
MOBILE #1
WO HUGHES #4
JICARILLA #13-12
COTTON PET. APACHE
JICARILLA #14-13
APACHE #147
APACHE #13
ARCO CHACON FED #101
ARCO CHACON #6
READING #1771
READING #1771

COTTONWOOD PIPELINE
LARGO
MEDIO

6863
6874
6867
6862
6861
6856
6852
6850
6843
6833
6826
6811
6806
6800
6794
6788
6782
6776
6770
6764
6758
6752
6746
6740
6734
6728
6722
6716
6710
6704
6698
6692
6686
6680
6674
6668
6662
6656
6650
6644
6638
6632
6626
6620
6614
6608
6602
6596
6590
6584
6578
6572
6566
6560
6554
6548
6542
6536
6530
6524
6518
6512
6506
6500
6494
6488
6482
6476
6470
6464
6458
6452
6446
6440
6434
6428
6422
6416
6410
6404
6398
6392
6386
6380
6374
6368
6362
6356
6350
6344
6338
6332
6326
6320
6314
6308
6302
6296
6290
6284
6278
6272
6266
6260
6254
6248
6242
6236
6230
6224
6218
6212
6206
6200
6194
6188
6182
6176
6170
6164
6158
6152
6146
6140
6134
6128
6122
6116
6110
6104
6098
6092
6086
6080
6074
6068
6062
6056
6050
6044
6038
6032
6026
6020
6014
6008
6002
5996
5990
5984
5978
5972
5966
5960
5954
5948
5942
5936
5930
5924
5918
5912
5906
5900
5894
5888
5882
5876
5870
5864
5858
5852
5846
5840
5834
5828
5822
5816
5810
5804
5798
5792
5786
5780
5774
5768
5762
5756
5750
5744
5738
5732
5726
5720
5714
5708
5702
5696
5690
5684
5678
5672
5666
5660
5654
5648
5642
5636
5630
5624
5618
5612
5606
5600
5594
5588
5582
5576
5570
5564
5558
5552
5546
5540
5534
5528
5522
5516
5510
5504
5498
5492
5486
5480
5474
5468
5462
5456
5450
5444
5438
5432
5426
5420
5414
5408
5402
5396
5390
5384
5378
5372
5366
5360
5354
5348
5342
5336
5330
5324
5318
5312
5306
5300
5294
5288
5282
5276
5270
5264
5258
5252
5246
5240
5234
5228
5222
5216
5210
5204
5198
5192
5186
5180
5174
5168
5162
5156
5150
5144
5138
5132
5126
5120
5114
5108
5102
5096
5090
5084
5078
5072
5066
5060
5054
5048
5042
5036
5030
5024
5018
5012
5006
5000
4994
4988
4982
4976
4970
4964
4958
4952
4946
4940
4934
4928
4922
4916
4910
4904
4898
4892
4886
4880
4874
4868
4862
4856
4850
4844
4838
4832
4826
4820
4814
4808
4802
4796
4790
4784
4778
4772
4766
4760
4754
4748
4742
4736
4730
4724
4718
4712
4706
4700
4694
4688
4682
4676
4670
4664
4658
4652
4646
4640
4634
4628
4622
4616
4610
4604
4598
4592
4586
4580
4574
4568
4562
4556
4550
4544
4538
4532
4526
4520
4514
4508
4502
4496
4490
4484
4478
4472
4466
4460
4454
4448
4442
4436
4430
4424
4418
4412
4406
4400
4394
4388
4382
4376
4370
4364
4358
4352
4346
4340
4334
4328
4322
4316
4310
4304
4298
4292
4286
4280
4274
4268
4262
4256
4250
4244
4238
4232
4226
4220
4214
4208
4202
4196
4190
4184
4178
4172
4166
4160
4154
4148
4142
4136
4130
4124
4118
4112
4106
4100
4094
4088
4082
4076
4070
4064
4058
4052
4046
4040
4034
4028
4022
4016
4010
4004
3998
3992
3986
3980
3974
3968
3962
3956
3950
3944
3938
3932
3926
3920
3914
3908
3902
3896
3890
3884
3878
3872
3866
3860
3854
3848
3842
3836
3830
3824
3818
3812
3806
3800
3794
3788
3782
3776
3770
3764
3758
3752
3746
3740
3734
3728
3722
3716
3710
3704
3698
3692
3686
3680
3674
3668
3662
3656
3650
3644
3638
3632
3626
3620
3614
3608
3602
3596
3590
3584
3578
3572
3566
3560
3554
3548
3542
3536
3530
3524
3518
3512
3506
3500
3494
3488
3482
3476
3470
3464
3458
3452
3446
3440
3434
3428
3422
3416
3410
3404
3398
3392
3386
3380
3374
3368
3362
3356
3350
3344
3338
3332
3326
3320
3314
3308
3302
3296
3290
3284
3278
3272
3266
3260
3254
3248
3242
3236
3230
3224
3218
3212
320

ARCO Oil and Gas Company
Central District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 688 5200
October 13, 1986



State of New Mexico Oil Conservation Division
Box 2088
Santa Fe, New Mexico 87501
Attn: Mr. Dave Catanach

#6

Re: ARCO Tonkin Federal #18-2E, Rio Arriba County, N. M.
Spacing Exception

Dear Dave:

Per our telephone conversation and by way of this letter and supporting surveyor's plat, ARCO Oil and Gas Company, a division of the Atlantic Richfield Company, wishes to make application for a spacing exception for the subject well. This well falls under West Lindrith Gallup/Dakota Pool Rules which require well locations to be a minimum of 330' from all governmental quarter quarter section lines. Because of topographic considerations, it will be necessary to locate this well 190' from a quarter quarter section line at 1130' FNL and 330' FEL, Section 18, T24N, R3W, Rio Arriba Co., N. M.

The well is to be spaced in an 80 acre "stand up" unit. Per the attached topographic map, the 80 acres is bordered by ARCO acreage to the west, south, and east. The tract is bordered by acreage held by Mobil Producing Texas and New Mexico Inc., 500 Illinois, Midland, Texas 79702, to the north. ARCO's notification letter to Mobil is enclosed for your review.

This well is under the jurisdiction of the Bureau of Land Management, and an Application for Permit to Drill has been filed with their Farmington Resource Area.

Please call me at (915)688-5675 with any questions or concerns.

Very truly yours,

Sandy Stash-Zdinak
Sandy Stash-Zdinak
Drilling Engineer

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

Operator ARCO OIL & GAS COMPANY		Lense TONKIN FEDERAL 18		Well No. 2E
Unit Letter A	Section 18	Township 24N	Range 3W	County Rio Arriba
Actual Footage Location of Well: 1130 feet from the North line and 330 feet from the East line				
Ground Level Elev. 6864	Producing Formation		Pool	Dedicated Acreage Acres

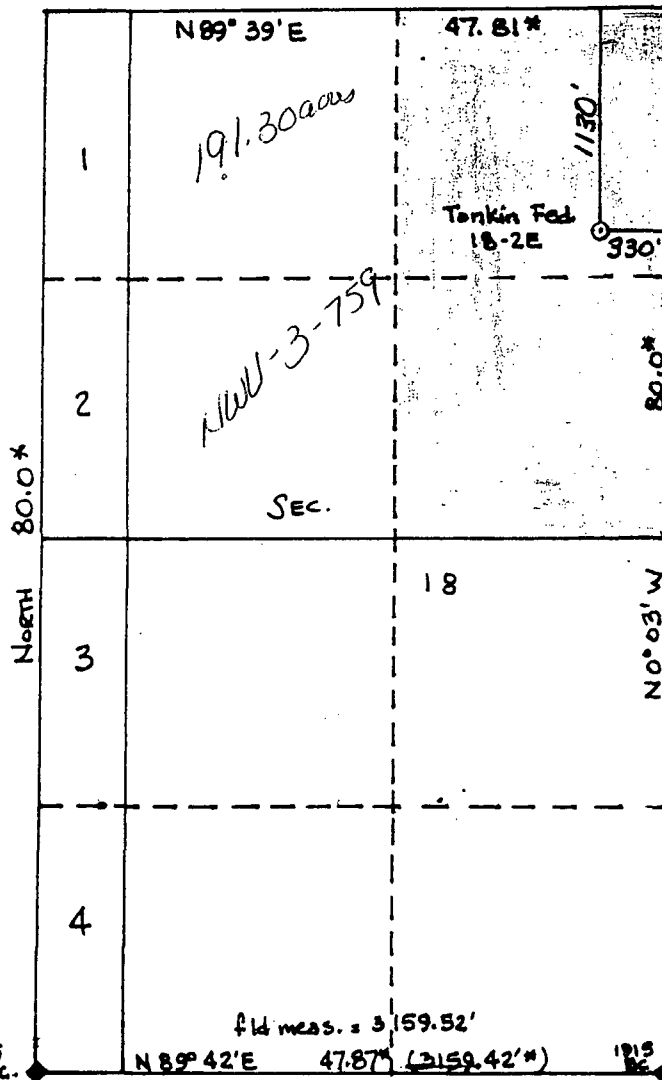
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lense is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lense of different ownership is 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.

*Record GLO plot 1917



CERTIFICATION

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

Daniel E. Lowe

Name *DEL*

DRUG ANALYST SUPV

Position

ARCO OIL & GAS CO

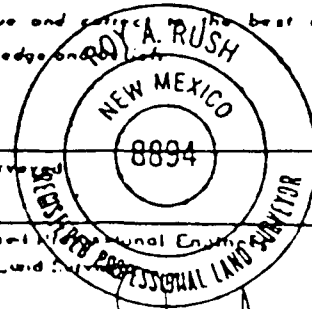
Company

A DIVISION OF ATLANTIC RICHFIELD

Date

OCT 14, 1986

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

Roy A. Rush

Certificate No.

8894