TIDE WATER ASSOCIATED OIL COMPANY
MID-CONTINENT DIVISION
Drawer KK
Hobbs, New Mexico
December 20,1950

Mr. R.R. Spurrier
Secretary-Director,
State of New Mexico Oil Conservation Commission
P.O. Box 871
Santa Fe, New Mexico

Dear Sir:

In compliance with the New Mexico Oil Conservation Commission order pertaining to extending present pool limits and the establishment of new pools, we are submitting the following information:

On 11-22-50, our company, the Tide Water Associated Oil Company, completed the State "S" #3 well in the Ellenberger formation. This well is located in the N/2 of the N/2 of Section 15, T-21-S, R-37-E. This is approximately three-fourths of a mile from the nearest production in the Brunson Pool, which included wells producing in the Ellenberger formation in this area.

We are submitting the following information in evidence that the subject well is producing from the same productive horizon as are the wells in the Brunson Pool and furthermore is an extension of the Brunson Field.

Exhibit "A": Plat of the Northern portion of the Brunson Field, Lea County, New Mexico. This plat presents the boundaries of the pool and shows the location of our State "S" #3.

Exhibit "B": Geological information pertaining to the subject well and indicating why it should be included in the Brunson Field.

Exhibit "C": A tabulation of information pertaining to the wells which are in the northern portion of the Brunson Field.

Exhibit"D": A tabulation of information pertaining to the drilling and completion of the Tide Water State "S" #3.

We beleive the above evidence ~~to~~ proves that the Tide Water State"S" #3 is producing from the Brunson Pool and we ask that it be recognized as such by the New Mexico Oil Conservation Commission.

TIDE WATER ASSOCIATED OIL COMPANY

John M. Mintz

John M. Mintz
Field Engineer Sr.

JMM/Hew
encl.

Exhibit "B"

GEOLOGICAL INFORMATION

It is our opinion that this well is an extension to the Brunson Field for the following reasons:

1. Similarity of sections with (for example) Ohio #5 Warlick "C" (330' FSL and 2310' FEL of Section 15, T-15-S, R-37-E). The Ohio well went from Permian into an eroded surface of Simpson at 7400' (-3973) and from Simpson into another eroded surface of Ellenberger at 7650' (-4223') and into granite at 7815' (-4388').

   Similarly, our well went from Permian into an eroded surface at 7430' (-3972), but due to the fact that the granite is 234' higher (7612' or -4154) in our well most of the Simpson had been removed leaving only 40' of detrital Simpson and granite wash before entering an eroded surface of Ellenberger at 7470' (-4012').

   The Ellenberger sections in the two wells are identical in lithology, texture and color, being a tan, medium crystalline, granular, sucrosic dolomite with numerous rounded coarse quartz grains.

2. It is evident that both wells are producing from the same reservoir, an eroded Ellenberger, decreasing in thickness to the east to nil as the granite gets higher, and overlain by Simpson shale. As shown by Moran #2 Owens in Section 14 when the Ellenberger has been completely removed, granite wash and granite is entered directly from the Permian.

EXHIBIT "C"

A TABULATION OF WELL DATA

NORTHERN PORTION BRUNSON POOL

Lea County, New Mexico

Company	Lease	Well No.	S.T.R.	Compl. Date	Elev.	Top Pay	Sub-sea Top Pay	Total Depth
Amerada	Hare	4	33-21-37	3-19-47	3459	7900	-4441	7938
		5	33-21-37	5-17-49	3456	7805	-4349	7856
Continental	Lockhart	1	27-21-37	7-10-49	3431	7670	-4239	7782
		2	27-21-37	7-17-50	3432	-	-	7865
	Wantz	1	21-21-37	10-28-48	3459	8100	-4641	8270
		2	21-21-37	12-16-49	3478	8041	-4562	8230
Gulf	Carson	5	33-21-37	2-8-49	3456	7359	-3903	7442
		7	33-21-37	6-21-48	3459	7404	-3945	7644
		8	28-21-37	8-3-49	3435	7565	-4130	7741
		5	28-21-37	2-1-48	3444	7782	-4338	7910
		6	28-21-37	4-17-48	3446	7365	-3919	7500
	King	7	28-21-37	3-6-48	3447	7904	-4457	8063
		10	28-21-37	6-5-48	3456	7865	-4409	8040
		12	28-21-37	3-9-49	3441	7747	-4306	7979
		15	28-21-37	5-13-49	3461	7942	-4481	8146
		17	28121-37	7-26-49	3466	8021	-4555	8168
		18	28-21-37	9-25-49	3468	8065	-4597	8140
		21	28-21-37	4-1-50	3440	7736	-4296	7935
	Eubanks	5	22-21-37	4-14-50	-	7631	-	7756
		6	22-21-37	6-11-50	3425	7572	-4147	7686
Magnolia	Carson	10	33-21-37	2-24-48	3464	8190	-4726	8216
		13	33-21-37	9-15-47	3461	7596	-4135	7591
		14	33-21-37	12-26-47	3471	8190	-4719	8220
		16	33-21-37	6-7-48	3474	8176	-4702	8220
		17	28-21-37	7-28-48	3461	8112	-4651	8156
		18	28-21-37	10-20-48	3476	8130	-4654	8175
		19	28-21-37	1-22-49	3473	8080	-4607	8173
		2	33-21-37	12-17-47	3462	7310	-3848	7470
	Corrigan	1	33-21-37	4-7-47	3459	7644	-4185	7679
		4	33-21-37	4-29-47	3451	7610	-4159	7662
		7	33-21-37	8-30-47	3449	7430	-3981	7446
Ohio	Marshall	7	27-21-37	4-7-50	3420	7590	-4170	7774
	Warlick	5	15-21-37	7-10-50	3427	7711	-4284	7827
Shell	Argo	5	15-21-37	9-5-50	3429	7785	-4356	8091
		6	22-21-37	7-3-50	3428	7670	-4242	7810
	Turner	7	22-21-37	12-5-49	3430	8095	-4665	8180
		9	22-21-37	3-20-50	3423	7725	-4302	7951
		11	22-21-37	8-1-50	3420	7559	-4139	7782
Stanolind	Corrigan	2	33-21-37	5-26-47	3449	7410	-3961	7452
Tide Water	State "S"	3	15-21-37	11-22-50	3456	7470	-4014	7631

EXHIBIT "D"

Well Data - State "S" #3
Tide Water Associated Oil Company, Brunson Field
Lea County, New Mexico

Spudded: October 3, 1950
Completed: November 22, 1950

Pipe Program:

13 3/8" @ 260' w/300 sax cement
8 5/8" @ 3004' w/2000 Sax cement
5 1/2" @ 7631' w/500 Sax cement

Perforation Record: 7550' - 7612' w/372 1/2" holes by Lane-Wells

Acid Record: Well would not flow and was acidized with 1000 gallons of 15% Mud acid by Dowell, Inc.

Initial Potential: Well flowed 162 barrels oil in 12 hours on a 5/16" choke with a Gas-oil ratio of 740/1.

Gravity: 42 degrees API Sulphur Content: None

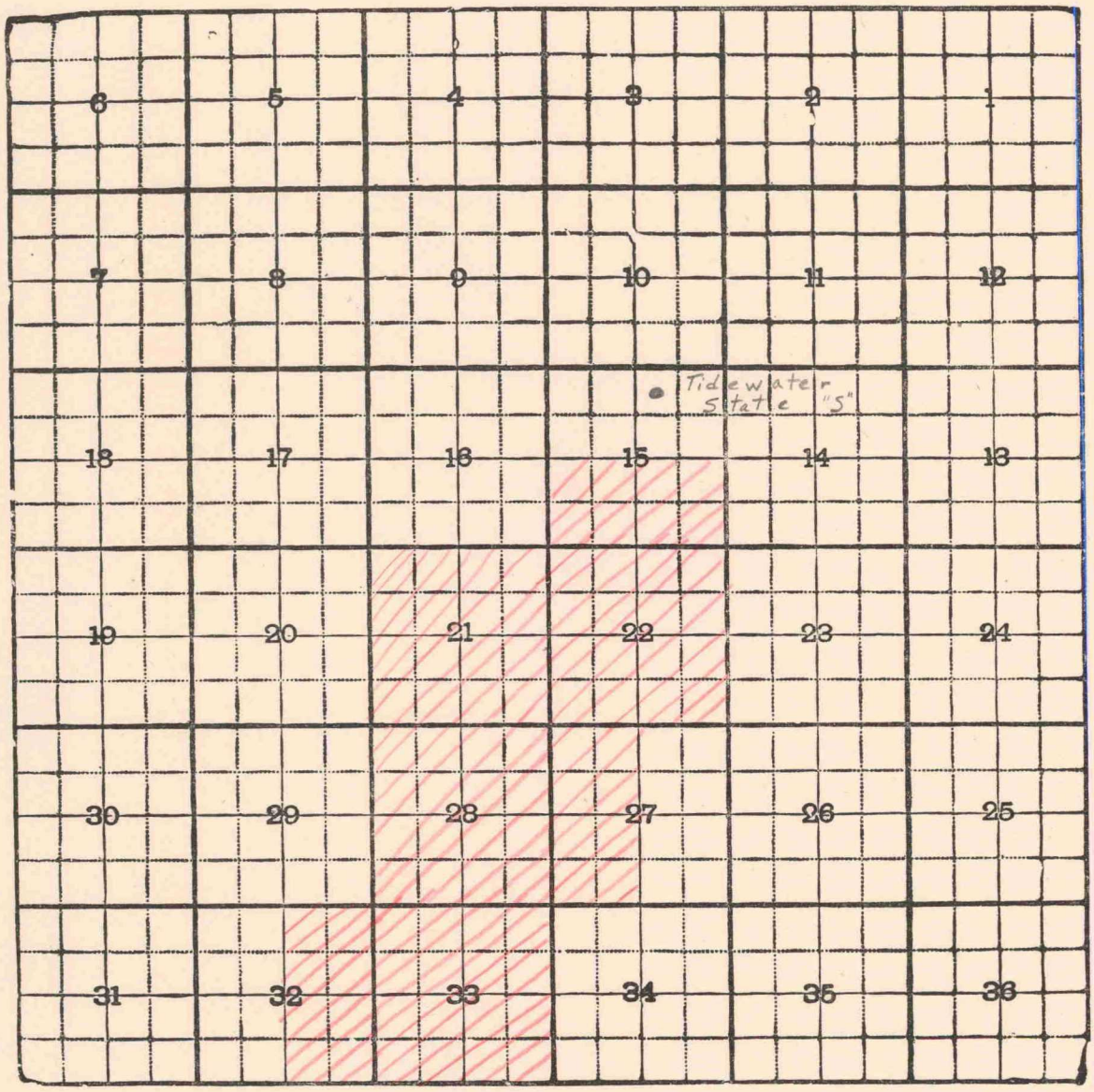
Formation Water: None

Bottom Hole Pressure: 2066 psi @ -4300' after 48 hrs. Shut In Period.

BRUNSON

Township No. T. 21 S of Range No. 37 E

New Mexico Principal Meridian.



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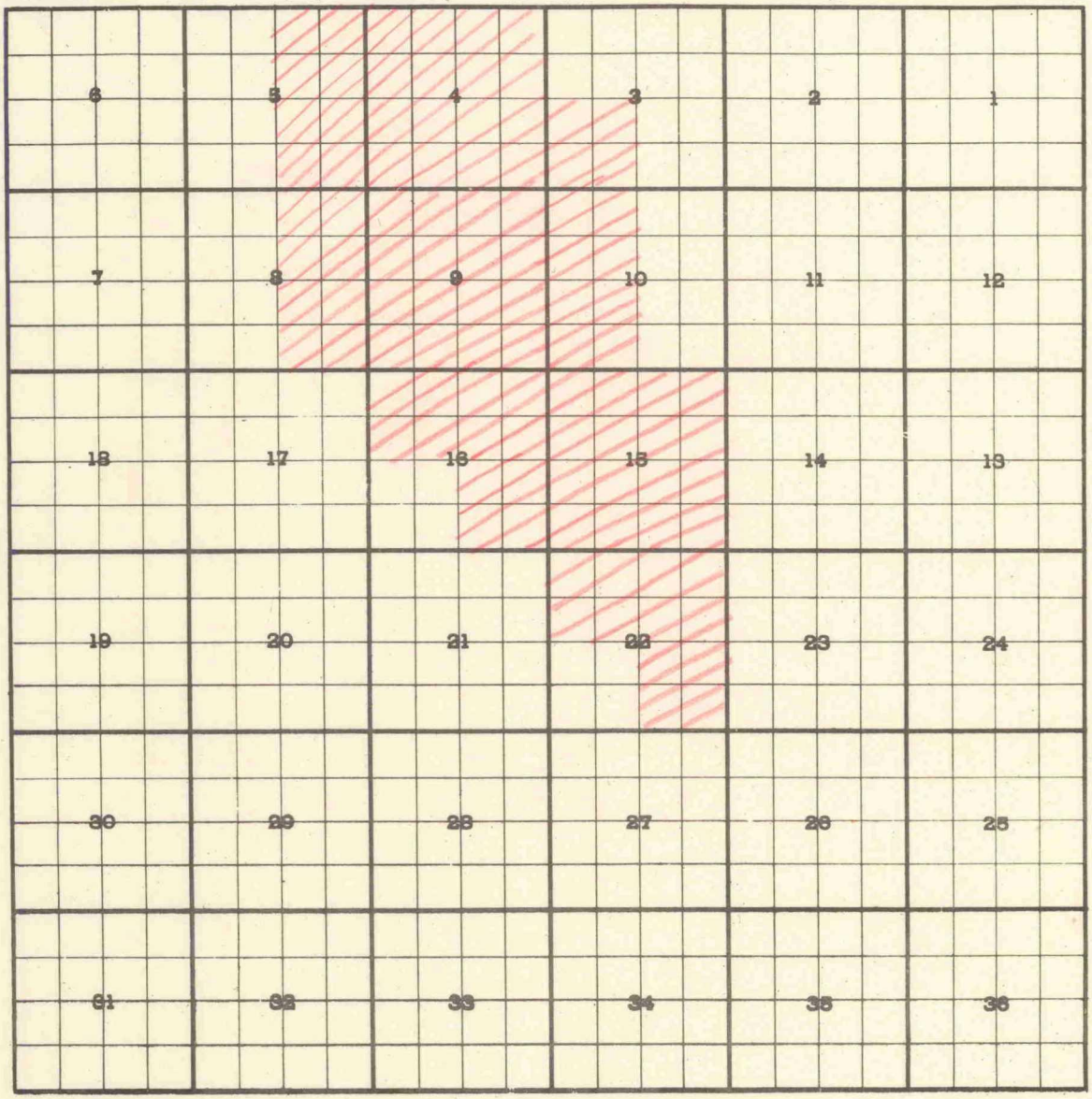
22 S - 37 E

1-5-51

BRONSON (cont.)

County 22S Pool 37E

TOWNSHIP South, RANGE East, NEW MEXICO PRINCIPAL MERIDIAN



OK SE/16

1-5-51

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

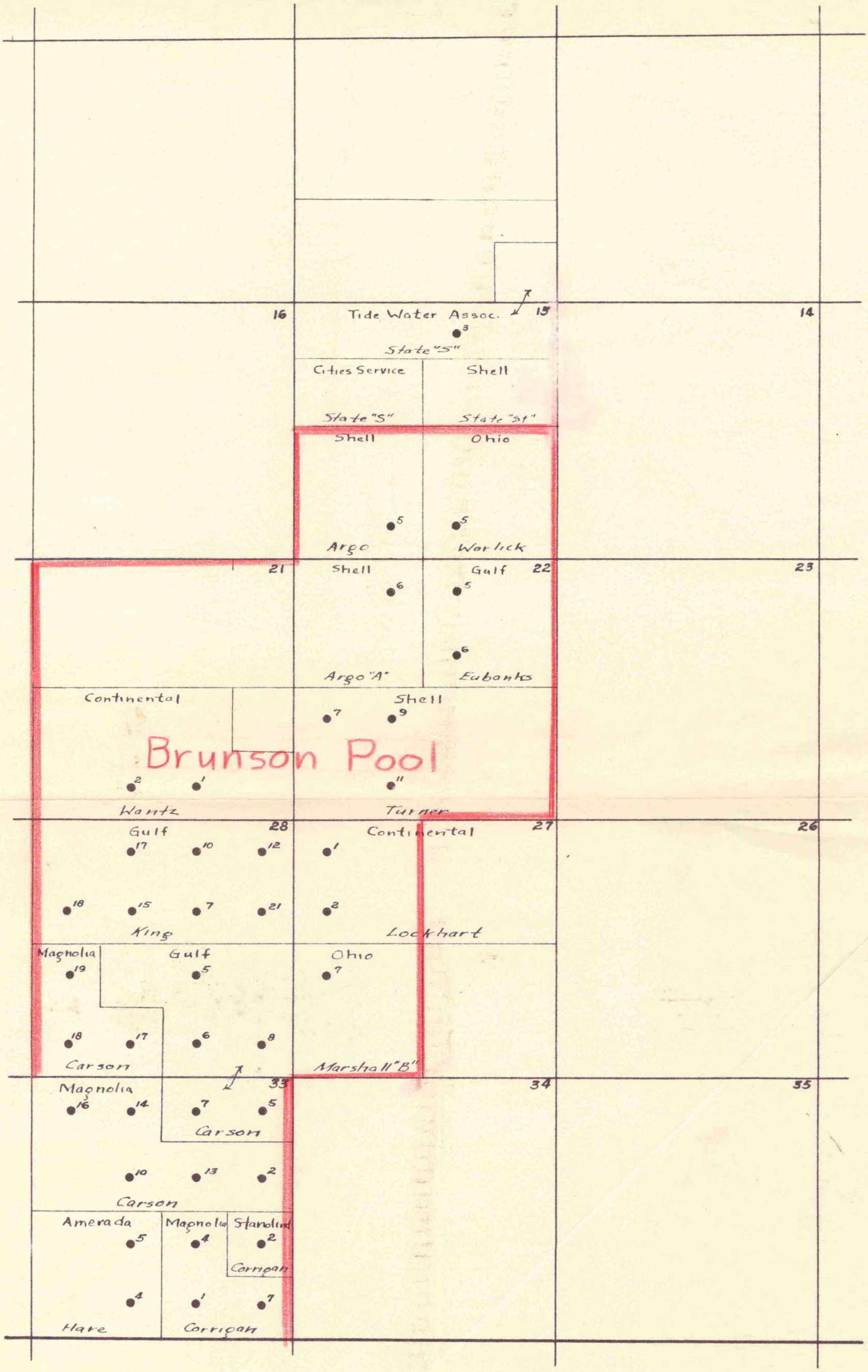


EXHIBIT "A"

Northern Portion of Brunson Pool
Lea County, New Mexico

Scale: 1" = 2000'

Tide Water Associated Oil Company
Date Drawn: 12-20-50
Drawn By: J. M. Kmitz