

County, _____

Township _____ Range _____

Township _____ Range _____

Township _____ Range _____

Township _____ Range _____

Form 104—(Four on Township)

30E

31E

185

195

6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36
6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36

□ Culwin-QUEEN

/// " - YATES

□ SHUGART-YATES R. QUEEN, GRAYBURG

■ N. SHUGART-QUEEN + GRAYBURG

□ Application for N. Shugart

of the Shugart, North Shugart, Culwin and Culwin Yates
Pools, as proposed herein.

Respectfully submitted,

IVERSON & WELCH

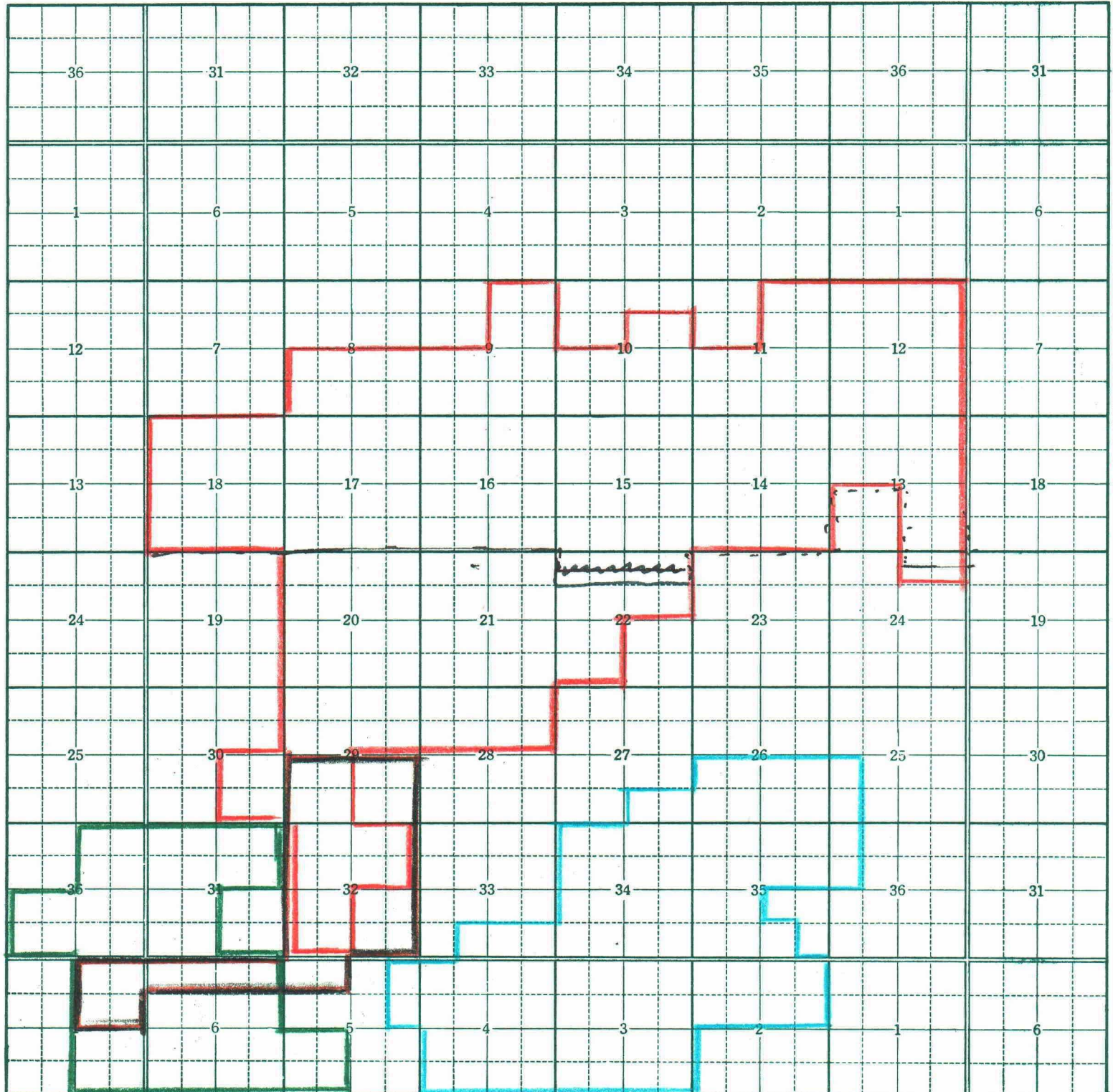
By Jason W. Kellahin
KELLAHIN & FOX
P. O. Box 1713
Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT

19 S 30 E
 19 S 31 E
 18 S 30 E
 18 S 31 E

Township _____, Range 31E, County Eddy, State N. M.

Island Township Plat



- Shugart (Yates, Seven Rivers, Queen, Grayburg)
- North Shugart (Queen, Grayburg)
- Culwin (Queen)
- Culwin-Yates (Yates)

OIL PRODUCTION - DUAL COMPLETIONS
CULWIN YATES AND NORTH SHUGART FIELDS

SUNRAY-MIDCONTINENT - STATE Y #1

	<u>YATES ZONE</u>	<u>PENROSE</u>	<u>TOTAL</u>
1961 - March	1237		1237
April	752	563	1315
May	1050	528	1578
June	989	445	1434
July	411	410	821
<i>Aug</i>	<i>1031</i>	<i>609</i>	

CHAMBERS & KENNEDY - MONTEREY STATE #2 AND #3

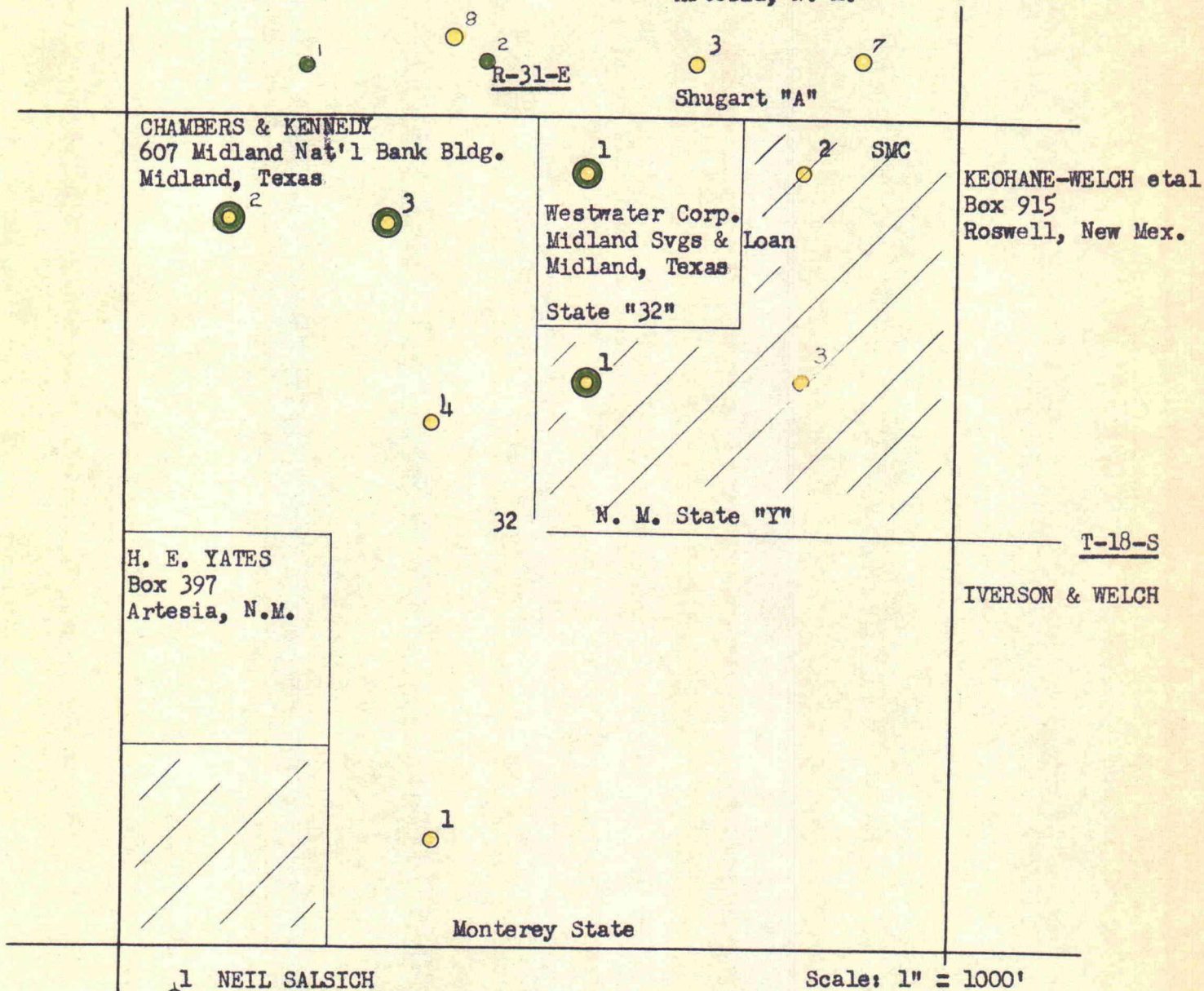
	<u>YATES ZONE</u>	<u>PEN-GRY.</u>	<u>TOTAL</u>
1961 - February	1588	1225	2813
March	814	697	1511
April	522	1272	1794
May	860	1222	2082
June	610	1204	1814
July	344	1009	1353

Exhibit 6

LOCATION PLAT
SUNRAY MID-CONTINENT OIL COMPANY N. M. STATE "Y"

N. SHUGART QUEEN-GRAYBURG POOL AND CULWIN-YATES POOL
EDDY COUNTY, NEW MEXICO

IVERSON & WELCH
100 Booker Bldg.
Artesia, N. M.



1 NEIL SALSICH
716 First Nat'l Bank
Midland, Texas

Pan Am Federal

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 1
CASE NO. 2425

Scale: 1" = 1000'

- N. Shugart Queen-Graybg Pool
- Culwin Yates Pool
- Dual in Culwin Yates Pool and N. Shugart Queen-Grayburg Pool
- ▨ Sunray Mid-Continent Oil Co. N. M. State "Y" Lease

INITIAL POTENTIAL 24 hr.	COMPLETION INTERVAL	FORMATION	COMPLETION DATE	CUMMULATIVE PRODUCTION		PRODUCTION		
				to 1-1-61	to 1-1-61	PER YEAR to 1-1-61	AUG. DAILY PRODUCTION GRAVITY	
CULWIN								
FEATHERSTONE, OLEN F. Fed. "B" Acreage Factor 0.900	45	P 3119-43	3-13-60	Q	3,893	156	6 32	
	48 42	P 3082-3111 P 3080-97	1-15-60 1-1-60	Q Q	5,377 5,887	147 147	7 7	
HANKAMER, CURTIS TEASCO, Fed.	180	P 3184-3225	6-3-61	Q			24 35	
MONDO OIL & GAS CO. State Oil	52	OH 3071-3115	4-11-59	Q	19,515	292	19 35	
	58	P 3090-3108	5-21-59	Q	19,026	300	19 35	
	62	P 3105-50	7-1-59	Q	17,192	300	13 35	
	45	P 3117-30	9-15-59	Q	14,534	290	13 35	
	86	P 3124-33	4-16-60	Q	6,923	259	13 35	
	96	P 3106-30	6-15-60	Q	5,246	262	13 35	
	62	P 3110-26	8-18-60	Q	3,334	249	19 35	
	120	P 3102-3115	10-12-60	Q	2,162	324	19 35	
NORTH STAR OIL CORP. Feather.Fed. St. 36	120 28	P 3198-34 58 P 3114-70	9-3-61 6-11-60	Q Q	2,024	100	7 30	
	O'NEILL, J. I., JR. Fed. "F" " (Dual) Fed. "G"	50 41 47 22	P 3092-3126 P 3080-3112 P 3090-3118 P 3102-44	1-18-59 5-14-59 7-28-59 1-13-60	Q Q Q Q	13,357 9,446 7,113 3,146	174 149 126 78	7 34 7 35 7 35 3 33
PURE OIL CO. Fed. "E" " Fed. "P"		11 25 65 66	P 3315-3423 P 3594-3604 P 3628-37 P 3596-3619	11-14-59 12-3-60 4-3-60 8-8-60	Q Q Q Q	3052 542 6,724 4,198	70 162 252 315	4 28 6 30 11 28 24 32

CULWIN CONTINUED											
TEXACO, INC.											
Fed. (8)	1 C	6-19-31	30	P	3150-84	Q	1-20-60	934	23	1	32
TRIGG, JOHN H.											
Fed. "TR"	1 M	31-18-31	46	P	3092-3144	Q	9-5-59	10,751	215	4	32
WELCH, W. C.											
Feather. Fed.	1 K	5-19-31	85	P	3466-84	Q	6-1-61			27	
"	4 J	"	40	P	3530-75	Q	10-25-61				
CULWIN - YATES											
BAKKE, W. E.	1 J	32-18-31	69	P	2648-2658	Y	10-1-61				
Monterey											
CHAMBERS & KENNEDY											
Monterey St.	1 N	32-18-31	47	P	2582-2590	Y	4-3-60	10,936	409	13	31
" (Dual)	2 D	"	56	P	2632-40	Y	11-11-60			14	34
" (Dual)	3 C	"	37	P	2620-2632	Y	12-31-60			14	35
"	4 F	"	76	P	2622-36	Y	10-5-61	1,750	262	14	32
HANSON, E. A.											
Ginsberg Fed.	1 O	25-18-30	264	P	2490-2500	Y	10-18-60				
IVERSON & WELCH											
Shugart "A"	3 O	29-18-31	80	P	2620-2632	Y	8-20-60	4,362	327	32	
"	4 K	"	180	P	2538-54	Y	9-1-60	3,967	396	32	
"	5 L	"	100	P	2540-55	Y	11-1-60	1,966	294	32	
"	6 J	"	110	P	2560-85	Y	4-4-61			32	
"	7 P	"	150	P	2573-2658	Y	5-22-61			32	
"	8 N	"	100	P	2590-2610	Y	6-16-61			32	
NORTH STAR OIL CORP.											
St. 32	(Dual) 1 B	32-18-31	100	P	2622-34	Y	9-29-60	2,870	284	26	38
O'NEILL, JOSEPH I.											
(Dual) 3 H	1-19-30	51	P	2582-2604	Y		8-9-59	3,262	61	1	

INITIAL POTENTIAL 24 hr.			COMPLETION INTERVAL	FORMATION	COMPLETION DATE	CUMULATIVE PRODUCTION TO 1-1-61	PRODUCTION PER ACRE PER YEAR TO 1-1-61	AUG. DAILY PRODUCTION GRAVITY
Page 3								
CULWIN - YATES CONTINUED								
SUNRAY MID-CONT. OIL CO.								
NM St. "Y" (Dual)	1 G	32-18-31	209		Y			Top 38
"	2 A	"	368		Y			32 35
"	3 H	"	360		Y			Top 27
No. 2 & 3 approved as duals but lower zone non commercial.								
SILVERTHORNE, R. Q.								
Keinath Fed.	1 N	25-18-30	40		Y			28 32
Lanning Fed.	1 P	"	50		Y			
SHUGART (Y. SR. Q. G.)								
BOYD, TOM								
State 36	1 D	36-18-31	40		recomp. 10-3-59	10,043	5	33
CARPER DRILG. CO.								
Carp. Nick.	1 D	4-19-31	35		Q			13 37
Hink. Fed.	1, 3 O	34-18-31	1-50 3- 7		Y			13 34
"	2 P	"	50		Q	182,505		
Welch	1 B	4-19-31	348		Q	110,979	148	34
"	2 G	"	47		Q	13,922	321	35
"	3 F	"	60		Q	9,180	305	37
"	4 C	"	87		Q	6,133	306	37
					Q	3,275	328	37
CHERRY BROS.								
Feath. Fed.	1 J	4-19-31	210		Q	8,066	201	24 37
DONNELLY DRILG. CO., INC.								
Featherstone Fed.	1 H	5-19-31	40		Q	675		13 36
"	2 A	"	50		Q			13 36
Donnelly Pan Am. IX G		"	88		Q			
IVERSON & WELCH								
Shug. "B"	1 O	33-18-31	150		Y, Q	8,066	301	3
"	3 N	"	90		Q	5,660	284	3

SHUGART (Y. SR. Q. G.) CONTINUED

KEOHANE & WEST, JR.	2 D	2-19-31	240	P 3408-3889	O	recomp. 5-1-61			34	36
St. E-6071				Formerly completed 2667-79 5-16-55						
KEOHANE, SAUNDERS, ET AL										
Hink "A" Fed.	1 L	35-18-31		OH 3327-4088	SR, Q, GB	2-20-38	75,743	87	5	35
"	2 J	34-18-31		OH 3550-71	Q	4-13-59	59,667		17	
"	3 I	"	100	P 3390-3445	Q	1-22-57	79,396	496	23	35
"	4 M	35-18-31	800	F 3400-3460	Q	Rec omp. 10-11-56	53,390		23	35
"	5 N	"	100	P 3350-70	Q	4-8-57	46,611	317	23	35
"	6 B	34-18-31	240	P 3832-50, OH 3850-55	Q	7-15-57	41,666	304	23	
"	7, 15 L	35-18-31	7-200	P 2653-2719	Y	8-18-57	29,460	221		
"		15-125		P 2650-78	Y	10-8-61				
"	8 K	"	100	P 3564-3808	Q	10-26-57	37,785	298	23	35
"	9 E	"	65	P 3554-3884	Q	11-23-57	36,677	297	23	35
"	10 F	"	150	P 3812-3992	Q-GB	5-8-58	30,489	294	23	35
"	11 G	34-18-31	100	P 3520-52	Q	8-1-58	27,531	295	23	35
"	12 C	35-18-31		P 2698-2774, 3801-77	Y-Q	12-18-58	16,396	206	23	35
"	13 A	34-18-31	240	P 3836-90	GB	11-8-58	25,634	308	23	32
"	14 B	"	200	P 3765-3871	Q	8-14-59	16,349	306	23	32
*Hinkle B	1 D	"	75	P 3306-3430, Old well deep- ened in 1959	Q		56,476		26	37
"	2 K	"	150	OH 2642-2742	Y	1-25-45	49,530	77	10	37
"	3 P	27-18-31	100	P 3754-64	Q	2-25-58	19,830	175	10	38
"	4 J	35-18-31	100	P 2772-90, 3698-3842	Y, Q	1-29-59	14,777	193	22	34
"	5 F	34-18-31	60	P 3818-32, 4422-34	GB	6-14-59	10,512	175	8	34
"	6 L	"	50	P 2634-2777	Y	10-14-59	6,517	139	8	35
"	7X O	35-18-31	100	OH 4080-93	G	7-13-60	5,109	304	Top	35
McFadden	4 B	3-19-31	150	OH 2429-2665	Y	3-21-41	221,728	286	25	
MASK, JENNINGS, KEOHANE & WESTALL										
State	1 C	2-19-31	117	P 3414-70, 3804-53	Q	6-12-59	16,151	276	20	
"	2 B	"		P 4092-4104 (Old completion 3443-83, 11-28-59)	GB	Rework 4-14-61	10,630		20	
"	3 F	"	240	P 4094-4106	GB	10-7-60	650	96	20	

INITIAL POTENTIAL 24 hr.	COMPLETION INTERVAL	FORMATION	COMPLETION DATE	CUMMULATIVE PRODUCTION TO 1-1-61	PRODUCTION	
					PER ACRE PER YEAR	AUG. DAILY PRODUCTION GRAVITY

TO 1-1-61

SHUGART CONTINUEDPLEMMONS, JACK

McFadden Fed. 1&2 A 3-19-31 1-75 3398-3806
2-30 OH 2660-87

Q 12-19-59 158,215
Y 11-5-57 160

SOUTHWESTERN, INC.

*Carper Malone 1 E 4-19-31 50 P 3330-48

Q 9-16-61

TEXACO, INC.

St.NM "CK" 1 E 36-18-31 85 P 3461-3484

Q 6-1-60 3,290 140 11 31

TEXACO SEABOARD, INC.

B.I.Han.Fed. 1 K 3-19-31 93 P 3392-3426, 3628-62
" 2 J " 70 P 3377-3650

Q 12-19-59 3,147 72 6 34
Q 3-23-60 3,772 125 6 36

WELCH, J. M.

Hink.B Fed. 1 G 35-18-31 100 OH 3640-3933
" 2 E " 100 OH 3875-85
" 3 A " 180 P 3890-3900
" 4 H " 200 P 3588-3600

Q 9-7-57 39,733 305 16
Q 2-19-58 33,553 295 16
Q-Q 1-21-59 21,521 280 16
Q 5-6-59 18,291 288 16

WELCH, THOMAS F.

Hink.B-26 1,5 M 26-18-31 1-250 P 3798-3916
5- 78 P 2730-54
" 2 L " 146 P 3750-69
" Rinkle B 3 N " 384 P 2746-68
" 4 K " 288 P 3761-71
" Ke hane 1 M 25-18-31 34 P 2840-2858
" 2 L " 42 P 3712-3912

Q-GB 4-6-57 13,900 95 22 37
SR 6-6-61 85 22 37
Q 8-17-57 11,464 85 22 37
Y 1-3-61 21 21
Q 3-9-61 21 21
Y 2-24-58 8,470 75 37
Q-GB 7-1-58 5,674 58 37

SHUGART QUEEN GRAYBURG, NORTHCHAMBERS & KENNEDY

Gulf Fed. 1 O 20-18-31 76 P 3451-71
" 2 I " 63 P 3198-3218
Monterey St. (Dual) 2 D 32-18-31 62 P 3448-62
" (Dual) 3 C " 39 P 3626-36

Q 8-30-60 2,286 170 17 32
Q 2-23-61 18 35
Q 10-25-59 11,607 248 10 31
Q 4-2-60 6,796 253 25 31

Page 6											
SHUGART, QUEEN GRAYBURG, NORTH											
COLLIER, R. D.											
Ginsberg Fed.	1 O	8-18-31	17	P 3139-49	Q	2-2-58	2,777	24	3	34	
GULF OIL CORP.											
Keo.C Fed.	1 P	21-18-31	68	P 3616-3796	GB	1-21-59	4,739	62	4	27	
Littlef.AB Fed.	2 N	22-18-31	72	P 3626-75	GB	1-22-59	10,883	141	8	39	
HASKINS, PAUL E.											
Edwards Fed.	1 O	9-18-31	39	P 3916-74	GB	12-1-59	2,976	68	5	35	
"	2 G	"	20	P 3893-3933	GB	5-1-60	667	29	2	31	
"	3 I	"	35	P 3964-76	GB	9-4-60	1,018	100	4		
"	4 A	"	44	P 3980-90	GB	2-11-61			18	34	
Paton Fed.	1 K	"	35	P 3874-84	GB	12-15-60			6	36	
HONDO OIL & GAS CO.											
Erwin Fed.	1 P	9-18-31	41	P 3929-89	GB	3-7-58	11,680	106	7		
HUDSON, WM. A. & ED. R.											
Shug."A"	1 N	10-18-31									
"	2 K	"	265	P 3307-27	Q	6-26-57	12,910	92	12	37	
"	3 G	"	104	P 3316-31	Q	9-3-57	8,699	66	3	37	
"	4 H	"	345	P 3326-3348	Q	10-9-57	8,481	66	3	37	
"	5 M	"	31	P 3954-4026	GB	2-15-59	17,719		37		
				Formerly Queen 3288-3310							
				Abandoned/							
Shug."B"	1 M	11-18-31	330	P 3364-78	Q	3-19-57	21,309	142	0	36	
"	2 A	15-18-31	466	P 3362-3376	Q	4-8-57	22,118	150	6	36	
"	3 B	"	340	P 3342-3362	Q	5-20-57	20,584	143	6	38	
"	4 L	11-18-31	335	P 3357-3376	Q	7-11-57	14,438	149	0	38	
"	5 E	15-18-31	260	P 3384-3396	Q	7-31-57	15,450	113	5	38	
"	6 G	"	165	P 3365-3379	Q	8-18-57	15,259	114	5	36	
IVERSON & WELCH											
Shug"A"	1 M	29-18-31	200	P 3595-3669	Q	4-1-60	9,030	337	Top		
"	2 N	"	150	P 3616-3642	Q	6-9-60	6,500	324	Top		
"	9 I	29-18-31	150	P 3280-3760	Q	9-13-61					
Shug."C"	1 P	30-18-31	90	P 3611-46	Q	10-22-60	2,513	378	20		
"	2 O	"	60	P 3594-3630	Q	12-30-60	68		20		

BRIDGEMAN, QUEENSBURG, NORTH CONTINUED

IVYSON & WELCH CONTINUED

Shugart "C"

3 I

30-18-31

96

P 3640-56

3-19-61

20

JOHNSON, BOE

Sweat. Fed.

1 E

14-18-31

40

OH 3163-3471

P 3420-49

12-26-38

130,351

148

35

"

2 A

"

25

OH 3324-3535

"

8-9-39

47,909

56

35

"

3 F

"

35

OH 3230-3465

"

11-24-54

3,526

14

35

"

4 G

"

16

OH 3458-3539

"

11-19-48

17,301

35

35

"

5 I

"

120

OH 3472-3523

"

8-29-55

25,785

120

35

"

6 J

"

600

P 3443-3464

"

5-10-57

32,880

229

37

"

7 I

"

100

P 3483-3510

"

6-25-58

19,276

192

36

"

1 E

"

66

OH 3210-3442

"

12-1-52

39,737

123

37

"

2 D

"

400

P 3370-3380

"

1-30-57

21,851

136

39

"

3 E

"

250

P 3378-3400

"

11-21-57

12,047

47

33

"

4 P

"

180

P 3490-3504

"

10-23-59

9,114

195

35

KENWOOD OIL CO.

Gins. "A"

1 A

17-18-31

157

OH 3025-3187

"

10-17-39

66,759

78

1

"

2 C

"

150

OH 3012-3225

"

7-17-40

30,823

37

1

"

3 D

"

180

OH 3016-3183

"

9-1-40

40,880

37

2

"

4 E

"

125

OH 3047-3198

"

10-25-40

39,880

49

3

Gins. "B"

1 E

18-18-31

15

OH 3046-3565

"

5-14-40

31,776

154

4

Shug. "A"

1 I

29-18-31

74

OH 3535-3573

"

2-10-40

82,646

99

12

"

2 B

"

78

OH 3540-3729

"

4-21-42

56,277

75

3

"

3 H

"

60

P 3522-48

"

5-7-58

15,975

154

6

KEOHANE, SAUNDERS, WEICH * IVERSON

Keohane Fed.

1 A

24-18-31

120

P 3811-17

5-3-61

31

MAXWELL OIL CO.

A.C.Taylor "A"

3 N

12-18-31

48

OH 3452-3595

"

6-22-47

34,653

95

6

"

6 K

"

65

OH 3407-3598

"

9-27-48

46,675

122

4

"

2 L

"

"

OH 3295-3572

"

11-12-40

97,769

135

3

"

1,7 M

"

"

1-OH 3435-3600

"

1-24-40

113,085

95

11

"

7-OH

3419-3567

"

1-24-50

41,519

200

4

"

5 C

13-18-31

"

7-4-48

59,443

137

3

"

4 D

"

OH 3461-3567

"

4-18-48

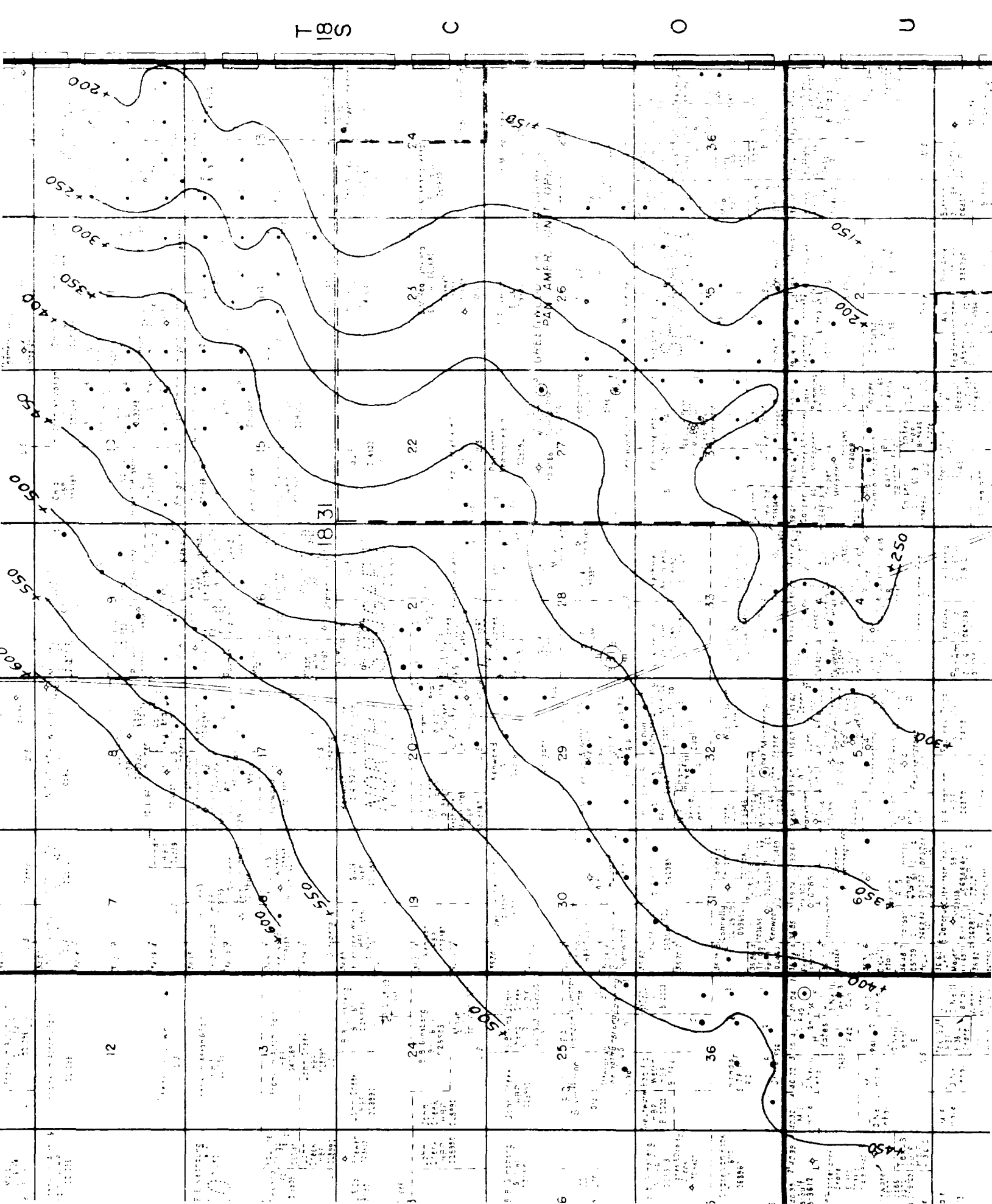
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137

38

Page 8	INITIAL POTENTIAL 24 hrs	COMPLETED INTERVAL	FORMATION	COMPLETION DATE	CUMMULATIVE PRODUCTION TO 1-1-61	PRODUCTION	
						PER ACRE PER YEAR TO 1-1-61	DAILY PRODUCTION GRAVITY
MAXWELL OIL CO. CONTINUED							
AC Taulor "B"	2 E 13-18-31	OH 3406-3569	Q	2-7-49	55,332	117	4
"	3 F "	OH 3408-3558	Q	11-20-54			
	45			4-1-49 TA	2,008		TA
Mal. Tay. "A"	2 J 12-18-31	OH 3450-3575	Q	6-28-48	93,875	187	15
"	1 O "	OH 3402-3588	Q	10-5-47	67,100	127	52
"	4 P "	OH 3409-3620	Q	6-30-49	64,353	139	4
"	3 B 13-18-31	OH 3427-3578	Q	9-14-48	48,096	98	5
NORTH STAR OIL CORP.							
St. 32 (Dual)	1 B 32-18-31	P 3477-3660	Q	12-8-60	341		Top
OHIO OIL CO.							
John. "A" Fed.	1 P 10-18-31	F 3350-61,3957-4010-4066-76	Q, GB	7-30-56	37,632	212	5
"	2 O "	P 3332-47,3944-4062	Q, GB	4-8-57	35,633	242	12
"	3 J "	P 3324-50	Q	8-18-57	27,880	209	6
"	4 I "	P 3346-62	Q	9-13-57	18,700	143	1
John. B a/c	1 D 15-18-31	P 3940-4065	GB	2-28-58	9,727	59	4
John. B a/c Fed. 2 C	"	P 3318-32	Q	7-24-57	16,289	119	3
PATON BROS.							
Fat. Er. Fed.	1 M 9-18-31	OH 3005-3210 SR open	Q	6-12-39	75,570	87	3
"	2 N "	OH 2960-3230 SR open	Q	11-28-39	75,569	87	3
Fat. John.	1 P 11-18-31	OH 3347-3775	Q	4-1-39	44,400	51	3
SUNRAY MID-CONTINENT OIL CO.							
St. "Y" (Dual)	1 G 32-18-31	P 3468-3683	Q	3-31-61			20
TRAVIS, J. J.							
Littlef. AA Fed.	1 F 20-18-31	P 3666-3720	Q	5-22-58	5,828		27
Keohane Fed.	1 L 21-18-31	P 3210-3234	Q	5-1-61			Top
"	2 K "	P 3251-77	Q	8-13-61			21
Kenwood Fed.	1 P "	P 3210-26	Q	11-24-60	1,254	372	Top
"	2 D "	P 3202-24	Q	2-14-61			Top
"	3 F "	P 3240-3262	Q	5-27-61			32
"	4 C "	P 3225-50	Q	10-7-61			Top
VOLTZ, M. R.							
Mag. St.	1 E 16-18-31	P 3180-3210	Q	6-23-56	6,775	37	3

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Re EXHIBIT NO. 1
CASE NO. 2425



242

STRUCTURAL MAP

SHUGART AREA

CONTOURS ON TOP OF QUEEN

APR 2008

Scale: 1" = 4000' Oct. 24, 1961

Exhibit 2

*will be good part are prod.
 see zone here
 here here
 over & poorer up*

STATUS AS OF JAN. 1, 1961

*Range of
 over prod
 of*

POOL	NO. WELLS	CUM. OIL PRODUCED	AVERAGE CUM. PROD. PER WELL	AVERAGE DAILY PROD. PER WELL*	DISCOVERY YEAR
Shugart	51	1,831,476	35,911	19	1937
North Shugart	67	2,294,808	34,250	7	1937
Culwin Queen	19	163,732	8,619	15	1959
Culwin Yates	1	3,262	3,262	5	1960
Culwin Yates through August 1961	16	60,232	3,765	15**	
Culwin Queen through August 1961	22	213,704	9,714	9**	

*has been 10,000 to 150,000
 now to more than 100,000*

*1821.8 3211.8
 1086.1 1183.9
 925.4 1137.0
 51 21.1
 46 17.11 21.1*

* For 1960
 ** For first 8 months of 1961.

*note fld — over sands open
 identified forms
 water into each sand body.*