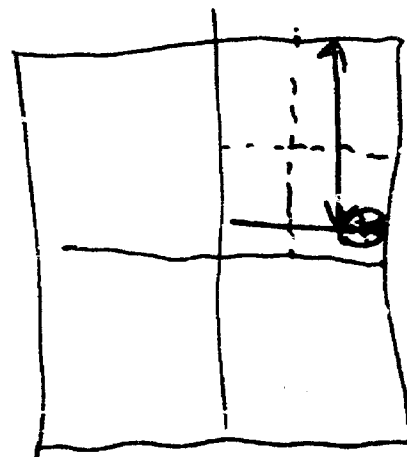


CASE 1285: Harry Bass D-12. Co. & Champlin
Oil & Refg. Co. application for order author-
izing directional drilling, State "A" Well #1,
Echol-Devonian Pool, Lea County.



Case No.

1285

Application, Transcript,
Small Exhibits, Etc.

WARRICK

Champlin Oil & Refining Co.
P. O. BOX 9365
FORT WORTH 7, TEXAS

June 28, 1957

12 1/2
@ SF
9 AM
7/24/57
Life 0500

State of New Mexico
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

It is respectfully requested that an early hearing date be set to consider the application of Harry Bass Drilling Company and Champlin Oil & Refining Co. for an exception to Rule 111 to permit directionally re-drilling their State "A" Well No. 1, Unit O, Section 32, T-10-S, R-37-E, Echols Devonian Pool, Lea County, New Mexico, so that the bottom hole location will be within a fifty foot target area, the center of which is located 2018' from the east line and 330' from the south line of Section 32, T-10-S, R-37-E.

Names and addresses of operators producing the five other wells in the subject pool are Shell Oil Company, P. O. Box 1957, Hobbs, New Mexico, 2 wells; Sinclair Oil and Gas Company, P. O. Box 1470, Midland, Texas, 1 well; The Texas Company, P. O. Box 1270, Midland, Texas, 2 wells.

If it is possible to hold the requested hearing at Hobbs at an early date such a request is made; however, if it would better suit the convenience of the Commission or the Examiner to hold the hearing in Santa Fe or some other location designated by the Commission, applicant is agreeable to such location and time.

Yours very truly,

G. A. Staples
G. A. Staples

GAS:djl

cc: New Mexico Conservation Commission
P. O. Box 2045
Hobbs, New Mexico

*Rec'd New Mexico
7/24/57*

Champlin Oil & Refining Co

P. O. BOX 9365
FORT WORTH 7, TEXAS

July 5, 1957

State of New Mexico
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Please refer to letter of June 26, 1957, wherein Champlin Oil & Refining Co. requested an exception to Rule 111 for their State "A" No. 1, Unit 0, Section 32, T-10-S, R-37-E, Echols Devonian Pool, Lea County, New Mexico.

Following our telephone conversation of today the subject application is hereby amended so as to request a permitted bottom hole location of 2018' from the east line and no closer than 330' to the south line of Section 32, T-10-S, R-37-E.

The proposed deviation of the well is for the purpose of completing at a higher structural position in order to produce oil free from large quantities of salt water.

Thank you for your suggestion in regard to the amended request and for your consideration of an early hearing date.

Yours very truly,

G. A. Staples

G. A. Staples

GAS:djl

cc: New Mexico Conservation Commission
P. O. Box 2045
Hobbs, New Mexico

7/10/57 9:00

7845

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

EXHIBIT NO. _____

CASE _____



EASTMAN OIL WELL SURVEY COMPANY

D E N V E R • L O N G B E A C H • H O U S T O N

Longview • Odessa • Oklahoma City • Lafayette • Casper • Bakersfield • Ventura • Calgary

WELL NO. _____

EASTMAN SURVEY REPORT _____

THIS IS A RECORD OF A SUB-SURFACE SURVEY OF YOUR WELL

It includes:

1. A title page giving the name of company, name and number of well, and the well location.
2. A horizontal plan (as well would appear, if viewed from above), showing each point on the survey in relation to the surface location. The bearing and distance from surface to bottom of the well is given.
3. A number of record of survey sheets, giving the true vertical depth, angle and direction of drift, and rectangular coordinates of each point on the survey. From these, geological correlations, sub-surface lease maps, etc., may be made. This information is especially valuable when straightening or redrilling work is contemplated.
4. If requested, vertical sections will be made showing the course of the well in two planes. The well will appear as if it were viewed from the side.

NOTE

This is a strictly confidential report, and can be secured by no one except with a written order from you. The photographic film on which this survey was made has been destroyed. We have an office copy of the survey. These records are kept locked and are held in the strictest confidence. Should you desire, you may have the office record also. The only reason we deem it advisable to preserve the office copy is for your convenience in case of loss of this report. All records of the survey are your property.

This report is made on tracing cloth and paper with India ink, in order that copies can be rapidly and cheaply made. This booklet can be forwarded to any blueprint company, where copies will be made for a nominal sum. Each sheet of this survey bears a job number, but only the title sheet carries the name. To insure secrecy the title page may be sent to one company and the balance to another.

SUGGESTIONS

If desired, the depths may be stated as true elevations from sea level, instead of depths below the derrick floor. If this is requested, please submit the elevation of the derrick floor, when ordering the survey.

In requesting vertical sections, the operator will find it much to his advantage to have them made with some respect to the formation. He should ascertain from his geologist on which particular plane the vertical section should be projected.

Should the operator care to have his lease lines or nearby property lines shown on the plan, he should submit the necessary data when ordering the survey.

When surveying a number of wells on one lease, it is always desirable to correlate the surveys in the form of a sub-surface lease map. Submit your survey records and surface lease dimensions, and we will be glad to make you such a map.

**REPORT
and
PLAN
of
SUB-SURFACE
ORIENTED
SURVEY**

**CHAMPLIN OIL & REFG. CO.
STATE "NM" - A-1
TATUM, NEW MEXICO**

JOB NO. WT. 65557

DATE 6-6-57

EASTMAN OIL WELL SURVEY COMPANY

DENVER, COLORADO

LONG BEACH, CALIFORNIA

HOUSTON, TEXAS

SURVEY BY

ODESSA, TEXAS

OFFICE



RECORD OF SURVEY

The field data for this survey from readings 2.5 was obtained by field engineer for Eastman Oil Survey Co., and is supported by signed field records. The computation and drafting of this report was done under my supervision and is true and correct to the best of my knowledge.

JOB NO. WT 65557

DATE 6-6-57

CHECKED BY

[Signature]
EASTMAN OFFICE ENGINEER

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES					
								NORTH	SOUTH	EAST	WEST		
1	70	50	VERTICAL										
2	132	50	VERTICAL										
3	195	30	0° 30'			54	S 20 W			51		18	
4	257	70	0° 30'			54	S 20 W		1	02		36	
5	320	10	0° 20'	320 10		36	S 24 W		1	35		51	
6	382	50	0° 20'			36	S 24 W		1	68		66	
7	444	90	VERTICAL										
8	507	30	VERTICAL										
9	569	70	0° 15'			27	S 47 W		1	86		86	
10	632	10	VERTICAL	632 10	VERTICAL								
11	694	50	VERTICAL										
12	756	90	VERTICAL										
13	819	30	VERTICAL										
14	881	70	VERTICAL										
15	994	10	0° 30'	944 10		54	N 44 W		1	47		1	24
16	1006	50	0° 30'	1006 50		54	N 44 W		1	08		1	62
17	1068	90	0° 30'			54	N 28 W			60		2	10
18	1131	30	0° 30'			54	N 15 W			08		2	62
19	1193	70	0° 45'			82	N 14 W					3	42
20	1256	10	0° 45'	1256 08		82	N 14 W	1	72			4	22
21	1318	50	0° 30'			54	N 16 E	2	04			4	07
22	1380	90	VERTICAL										
23	1443	30	VERTICAL										
24	1505	70	0° 30'			68	N 03 W	2	58			4	10
25	1568	10	VERTICAL										



RECORD OF SURVEY

The field data for this survey from readings 26
thru 50 was obtained by Hutchinson
field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge.
J. C. Hutchinson
EASTMAN OFFICE ENGINEER

CHECKED BY _____

JOB NO. WT 6-5557

DATE 6-6-57

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
								NORTH	SOUTH	EAST	WEST
26	1630	50	VERTICAL								
27	1692	90	VERTICAL								
28	1755	30	VERTICAL								
29	1817	70	VERTICAL								
30	1880	10		1880 08	VERTICAL			2 58			4 10
31	1942	50	0° 30'			54	S 65 W	2 35			4 59
32	2004	90	0° 30'			54	S 30 W	1 88			4 86
33	2067	30	VERTICAL								
34	2129	70	VERTICAL								
35	2192	10	0° 40'	2192 07		72	S 02 W	1 16			4 89
36	2254	50	0° 30'			54	S 08 E	63			4 81
37	2316	90	1° 00'			1 09	S 04 E		46		4 73
38	2379	30	1° 00'			1 09	S 15 E		1 51		4 45
39	2441	70	1° 00'			1 09	S 08 E		2 59		4 30
40	2504	10	0° 45'	2504 03		82	S 32 E		3 29		3 87
41	2566	50	VERTICAL								
42	2628	90	VERTICAL								
43	2691	30	1° 00'			1 09	N 43 W		2 49		4 61
44	2753	70	1° 00'			1 09	N 04 E		1 40		4 53
45	2816	10	1° 00'	2816 00		1 09	N 01 E		31		4 51
46	2878	50	0° 30'			54	N 07 E	24			4 44
47	2940	90	VERTICAL								
48	3003	30	0° 15'			27	S 28 E	0			4 31
49	3065	70	0° 45'			82	S 15 E		79		4 10
50	3128	10	0° 45'	3127 98		82	S 15 E		1 58		3 89



RECORD OF SURVEY

The field data for this survey from readings 51
thru 75 was obtained by Hutchinson, field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge.

JOB NO. WT 65557

DATE 6-6-57

CHECKED BY _____

EASTMAN OFFICE ENGINEER

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		VERTICAL SECTION		COURSE DEVIATION		DRIFT DIRECTION		RECTANGULAR COORDINATES									
												NORTH		SOUTH				EAST		WEST	
51	3190	50	1° 00'	3839	92			1	09	S	18	E			2	62	3	55			
52	3252	90	1° 00'							1	09	S	22	E			3	63		3	14
53	3315	30	1° 00'							1	09	S	32	E			4	55		2	56
54	3377	70	1° 20'							1	45	S	66	E			5	14		1	24
55	3440	10	1° 00'							1	09	S	31	E			6	07			68
56	3502	50	1° 00'	3751	87			1	09	S	31	E			7	00		12			
57	3564	90	1° 00'							1	09	S	33	E			7	91		47	
58	3627	30	1° 00'							1	09	S	50	E			8	61	1	30	
59	3689	70	1° 00'							1	09	S	52	E			9	28	2	16	
60	3752	10	1° 00'							1	09	S	42	E			10	09	2	89	
61	3814	50	0° 45'	4063	84				82	S	39	E			10	73	3	41			
62	3876	90	0° 45'								82	S	30	E			11	44	3	82	
63	3939	30	0° 30'								54	S	15	E			11	96	3	96	
64	4001	70	0° 30'								54	S	15	E			12	48	4	10	
65	4064	10	1° 00'							1	09	S	43	E			13	28	4	84	
66	4126	50	1° 00'	4375	79			1	09	S	43	E			14	08	5	58			
67	4188	90	1° 00'							1	09	S	36	E			14	96	6	22	
68	4251	30	0° 45'								82	S	47	E			15	52	6	82	
69	4313	70	1° 00'							1	09	S	25	E			16	51	7	28	
70	4376	10	1° 00'							1	09	S	25	E			17	50	7	74	
71	4438	50	0° 30'	4687	79				54	S	28	E			17	98	7	99			
72	4500	90	0° 30'								54	S	31	E			18	44	8	27	
73	4563	30	0° 15'								27	S	45	E			18	63	8	46	
74	4625	70	0° 15'								27	S	33	E			18	86	8	61	
75	4688	10								V E R T I C A L											



RECORD OF SURVEY

The field data for this survey from readings 51
thru 75 was obtained by Hutakawa
field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge.

CHECKED BY _____

JOB NO. WT 65557

DATE 6-6-57

J. C. Hutakawa
EASTMAN OFFICE ENGINEER

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		VERTICAL SECTION	COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES							
										NORTH		SOUTH		EAST		WEST	
51	3190	50	1° 00'	3839	92		1	09	S 18 E			2	62			3	55
52	3252	90	1° 00'				1	09	S 22 E			3	63			3	14
53	3315	30	1° 00'				1	09	S 32 E			4	55			2	56
54	3377	70	1° 20'				1	45	S 66 E			5	14			1	24
55	3440	10	1° 00'				1	09	S 31 E			6	07				68
56	3502	50	1° 00'	3751	87		1	09	S 31 E			7	00			12	
57	3564	90	1° 00'				1	09	S 33 E			7	91		47		
58	3627	30	1° 00'				1	09	S 50 E			8	61	1	30		
59	3689	70	1° 00'				1	09	S 52 E			9	28	2	16		
60	3752	10	1° 00'				1	09	S 42 E			10	09	2	89		
61	3814	50	0° 45'	4063	84			82	S 39 E			10	73	3	41		
62	3876	90	0° 45'					82	S 30 E			11	44	3	82		
63	3939	30	0° 30'					54	S 15 E			11	96	3	96		
64	4001	70	0° 30'					54	S 15 E			12	48	4	10		
65	4064	10	1° 00'				1	09	S 43 E			13	28	4	84		
66	4126	50	1° 00'	4375	79		1	09	S 43 E			14	08	5	58		
67	4188	90	1° 00'				1	09	S 36 E			14	96	6	22		
68	4251	30	0° 45'					82	S 47 E			15	52	6	82		
69	4313	70	1° 00'				1	09	S 25 E			16	51	7	28		
70	4376	10	1° 00'				1	09	S 25 E			17	50	7	74		
71	4438	50	0° 30'	4687	79	V E R T I C A L		54	S 28 E			17	98	7	99		
72	4500	90	0° 30'					54	S 31 E			18	44	8	27		
73	4563	30	0° 15'					27	S 45 E			18	63	8	46		
74	4625	70	0° 15'					27	S 33 E			18	86	8	61		
75	4688	10															



RECORD OF SURVEY

The field data for this survey from readings 76
show 100 was obtained by Hutchison
field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge
H. A. Hutchison
EASTMAN OFFICE ENGINEER

CHECKED BY _____

JOB NO. WT 65557

DATE 6-6-57

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
								NORTH	SOUTH	EAST	WEST
76	4750	50		VERTICAL					18 86	3 41	
77	4812	90		VERTICAL							
78	4875	30		VERTICAL							
79	4937	70		VERTICAL							
80	5000	00		4999 79					18 86	8 61	
81	5062	50	1° 00'			1 09	S 37 W		19 73	7 95	
82	5124	90	1° 00'			1 09	S 52 W		20 40	7 09	
83	5187	30	1° 00'			1 09	S 35 W		21 29	6 46	
84	5249	70	1° 00'			1 09	S 13 W		22 35	6 21	
85	5312	10	0° 30'	5311 75		54	S 12 W		22 88	6 10	
86	5374	50		VERTICAL					22 88	6 10	
87	5436	90	0° 15'			27	S 35 W		23 10	5 95	
88	5499	30	0° 45'			82	S 35 W		23 77	6 42	
89	5561	70	0° 45'			82	S 31 E		24 47	6 84	
90	5624	10		5623 73			VERTICAL				
91	5686	50	0° 15'			27	N 08 E		24 20	6 88	
92	5748	90		VERTICAL							
93	5811	30	0° 15'			27	N 35 E		23 98	7 03	
94	5873	70	0° 15'			27	N 33 E		28 75	7 18	
95	5936	10	0° 30'	5935 73		54	N 43 E		23 36	7 55	
96	5998	50	0° 30'			54	N 50 E		23 01	7 96	
97	6060	90	0° 30'			54	N 38 E		22 58	8 29	
98	6123	30	0° 45'			82	N 48 E		22 03	8 90	
99	6185	70	0° 45'			82	N 48 E		21 48	9 51	
100	6248	62	0° 45'	6247 70		82	S 83 E		21 58	10 32	



RECORD OF SURVEY

The field data for this survey from readings 101
thru 125 was obtained by Hutchinson
field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge.
[Signature]
EASTMAN OFFICE ENGINEER

CHECKED BY _____

JOB NO. WT 65557

DATE 6-6-57

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		VERTICAL SECTION	COURSE DEVIATION		DRIFT DIRECTION		RECTANGULAR COORDINATES							
											NORTH	SOUTH	EAST	WEST				
101	6310	50	0° 30'	6559	68			54	S	74	W		21	73	9	80		
102	6382	90	0° 30'					54	S	52	W		22	06	9	37		
103	6435	30	0° 30'					54	S	85	W		22	11	8	83		
104	6497	70	0° 45'					82	S	43	W		22	71	8	27		
105	6560	10	0° 45'					82	S	62	W		23	09	7	55		
106	6622	50	0° 45'	6871	63			82	S	38	W		23	74	7	05		
107	6684	90	1° 00'			1	09	S	31	W		24	67	6	49			
108	6747	30	0° 45'					82	S	58	W		25	10	5	79		
109	6809	70	0° 30'					54	S	22	W		25	60	5	59		
110	6872	10	1° 00'			1	09	S	40	W		26	43	4	89			
111	6934	50	1° 00'	7183	58			1	09	S	45	W		27	20	4	12	
112	6996	90	1° 00'			1	09	S	36	W		28	08	3	48			
113	7059	30	1° 00'			1	09	S	44	W		28	86	2	72			
114	7121	70	1° 00'			1	09	S	42	W		29	67	1	99			
115	7184	10	1° 00'			1	09	S	66	W		30	11		99			
116	7246	50	1° 00'	7495	53			1	09	S	40	W		30	94	29		
117	7308	90	1° 00'			1	09	S	65	W		31	40			70		
118	7371	30	1° 00'			1	09	S	64	W		31	88		1	68		
119	7433	70	1° 00'			1	09	S	66	W		32	32		2	68		
120	7496	10	1° 00'			1	09	S	60	W		32	87		3	62		
121	7558	50	1° 00'	7807	48			1	09	S	58	W		33	45	4	54	
122	7620	90	1° 00'			1	09	S	66	W		33	39		5	54		
123	7683	30	1° 00'			1	09	S	75	W		34	17		6	59		
124	7745	70	1° 00'			1	09	S	55	W		34	80		7	48		
125	7808	10	1° 00'			1	09	S	36	W		35	68		8	12		



RECORD OF SURVEY

The field data for this survey from readings 126

thru 150 was obtained by

field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge.

JOB NO. WT 65557

DATE 6-6-57

CHECKED BY _____

J. C. Hubert
EASTMAN OFFICE ENGINEER

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		VERTICAL SECTION	COURSE DEVIATION		DRIFT DIRECTION		RECTANGULAR COORDINATES			
											NORTH	SOUTH	EAST	WEST
126	7870	50	1° 00'				1 09		S 36	W		36 56		8 76
127	7932	90	1° 00'				1 09		S 53	W		37 22		9 63
128	7995	30	1° 00'				1 09		S 37	W		38 09		10 29
129	8057	70	1° 00'				1 09		S 53	W		38 75		11 16
130	8120	10	1° 00'	8119	43		1 09		S 50	W		39 45		11 99
131	8182	50	1° 20'				1 45		S 36	W		40 62		12 84
132	8244	90	1° 20'				1 45		S 36	W		41 79		13 69
133	8307	30	1° 20'				1 45		S 64	W		42 43		14 99
134	8369	70	1° 20'				1 45		S 70	W		42 93		16 35
135	8432	10	1° 20'	8431	33		1 45		S 40	W		44 04		17 28
136	8494	50	1° 20'				1 45		S 37	W		45 20		18 15
137	8556	90	1° 10'				1 27		S 25	W		46 35		18 69
138	8619	30	1° 00'				1 09		S 49	W		47 07		19 51
139	8681	70	1° 00'				1 09		S 32	W		47 99		20 09
140	8744	10	1° 00'	8743	27		1 09		S 22	W		49 00		20 50
141	8806	50	1° 00'				1 09		S 37	W		49 87		21 16
142	8868	90	1° 00'				1 09		S 52	W		50 54		22 02
143	8931	30	1° 00'				1 09		S 35	W		51 43		22 65
144	8993	70	1° 00'				1 09		S 13	W		52 49		22 90
145	9056	10	1° 30'	9055	23		54		S 12	W		53 02		23 01
146	9118	50	VERTICAL											
147	9180	90	0° 15'				27		S 35	W		53 28		23 16
148	9243	30	0° 45'				82		S 35	E		53 91		22 69
149	9305	70	0° 45'				82		S 31	E		54 61		22 27
150	9368	10		9367	21		VERTICAL							



RECORD OF SURVEY

The field data for this survey from readings 151
thru 175 was obtained by Hutchison, field engineer for
Eastman Oil Survey Co., and is supported by signed field records.
The computation and drafting of this report was done under my
supervision and is true and correct to the best of my knowledge.

JOB NO. WT 65557

DATE 6-6-57

CHECKED BY _____

EASTMAN OFFICE ENGINEER

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
									NORTH	SOUTH	EAST	WEST
151	9430	50	0° 15'	VERTICAL	9679 21		22	N 08 E		54 34		22 23
152	9492	90	0° 15'							54 34		22 23
153	9555	30	0° 15'				27	N 35 E		54 12		22 08
154	9617	70	0° 15'				27	N 33 E		53 89		21 93
155	9680	10	0° 30'				54	N 43 E		53 50		21 15
156	9742	50	0° 30'		9991 18		54	N 50 E		53 15		21 15
157	9804	90	0° 30'				54	N 38 E		52 72		20 82
158	9867	30	0° 45'				82	N 48 E		52 17		20 21
159	9929	70	0° 45'				82	N 48 E		51 62		19 60
160	9992	10	0° 45'				82	N 83 E		51 72		18 79
161	10054	51	0° 45'	10303 03			82	N 66 E		51 39		18 04
162	10116	91	0° 45'				82	N 89 E		51 38		17 22
163	10179	31	2° 00'			2 18	S 84 E			51 61		15 05
164	10241	71	2° 00'			2 18	S 84 E			51 84		12 88
165	10304	11	2° 20'			2 34	S 83 E			52 15		10 36
166	10366	51	2° 30'	10614 80		2 72	S 80 E			52 62		7 68
167	10428	91	2° 00'			2 18	S 62 E			53 64		5 76
168	10491	31	2° 00'			2 18	S 62 E			54 66		3 84
169	10553	71	2° 30'			2 72	S 69 E			55 63		1 30
170	10616	11	1° 45'			1 90	S 67 E			56 37	45	
171	10678	51	1° 45'	10926 56		1 90	S 56 E			57 43	2 03	
172	10740	91	2° 00'			2 18	S 57 E			58 62	3 06	
173	10803	31	2° 00'			2 18	S 35 E			60 41	5 11	
174	10865	71	2° 30'			2 72	S 24 E			62 89	6 22	
175	10928	11	2° 45'			3 00	S 24 E			65 63	7 44	



RECORD OF SURVEY

The field data for this survey from readings 186

that 188 was obtained by Hitchcock

field engineer for Eastman Oil Survey Co., and is supported by signed field records. The computation and drafting of this report was done under my supervision and is true and correct to the best of my knowledge.

JOB NO. WT 65557

DATE 6-6-57

J. C. Robinson
EASTMAN OFFICE ENGINEER

CHECKED BY _____

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
									NORTH	SOUTH	EAST	WEST
176	10990	51	3° 20'				3 63	S 34 E		68 64	9 47	
177	11052	91	3° 30'				3 41	S 24 E		72 12	11 02	
178	11115	31	3° 45'				4 08	S 23 E		75 88	12 61	
179	11177	71	3° 45'				4 08	S 27 E		79 52	14 46	
180	11240	11	4° 00'	11237	92		4 36	S 18 E		83 67	15 81	
181	11302	51	4° 00'				4 36	S 30 E		87 45	17 99	
182	11364	91	4° 00'				4 36	S 22 E		91 49	19 62	
183	11427	31	4° 00'				4 36	S 16 E		95 68	20 82	
184	11489	71	4° 45'				5 17	S 13 E		100 72	21 98	
185	11552	11	4° 45'	11549	05		5 17	S 04 E		105 88	22 34	
186	11614	51	5° 00'				5 44	S 04 W		111 31	21 96	
187	11676	91	4° 45'				5 17	S 03 W		116 47	21 69	
188	11707	52	4° 45'	11703	91		2 53	S 05 W		118 99	21 47	
CLOSURE 120.10'									S 10°19' E			

DOCKET. EXAMINER HEARING JULY 24, 1957

Oil Conservation Commission 9:00 a.m., Mabry Hall, State Capitol, Santa Fe

The following cases will be heard before Daniel S. Nutter, Examiner.

CASE 1284:

Application of Horace F. McKay, Jr. for permission to produce a well in the Aztec-Fruitland Gas Pool, San Juan County, New Mexico, without tubing in exception to Rule 107 (c) of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order granting permission to produce the McKay-Payne Bearden No. 1 Well located 1750 feet from the North line and 890 feet from the West line of Section 19, Township 29 North, Range 10 West, San Juan County, New Mexico, without setting tubing in said well.

CASE 1285:

Application of Harry Bass Drilling Company and Champlin Oil and Refining Company for an order authorizing directional drilling to a predetermined point in the Echol-Devonian Pool, Lea County, New Mexico, in exception to Rule 111 of the Commission Rules and Regulations. Applicants in the above-styled cause, seek an order authorizing them to re-enter their State "A" Well No. 1 located 660 feet from the South line and 1980 feet from the East line of Section 32, Township 10 South, Range 37 East, Lea County, New Mexico, for the purpose of directionally re-drilling said well to a 50 foot target area, the center of which is located 2018 feet from the East line and 355 feet from the South line of said Section 32.

ir/

2018
1968

SINCLAIR OIL & GAS COMPANY

PETROLEUM LIFE BUILDING

MIDLAND, TEXAS

July 19, 1957

FLOYD BAFFIN
VICE PRESIDENT & GENERAL MANAGER

JOHN J. HARRIS
ASSISTANT DIVISION MANAGER

H. DEERENDRACH
VICE PRESIDENT & GENERAL MANAGER

F. C. ROGERS
VICE PRESIDENT & GENERAL MANAGER

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. Daniel S. Nutter

Gentlemen:

Please refer to Case 1285 on the Examiner Docket scheduled to be heard July 24, 1957, in Santa Fe, New Mexico. We have been advised by the Champlin Oil & Refining Company that they desire to directionally redrill their State "A" Well No. 1 located 660 feet from the South line and 1980 feet from the East line of Section 32-10S-37E, Echols Devonian Field, Lea County, New Mexico. We understand that Champlin desires to bottom their well no closer than 330 feet from their lease line.

Sinclair Oil & Gas Company has no objections to the granting of this application provided the applicant be required to comply with the provision of Statewide Rule 111 (b) which requires that a deviational and directional survey be run and filed with the Commission.

Yours very truly,

R. F. Higginbotham
R. F. Higginbotham,
Assistant Division
Production Superintendent

RFH:RMA:mk

cc: Champlin Oil & Refining Company
P. O. Box 9365
Fort Worth 7, Texas
Attn: Mr. W. S. Jones

*Return to C.C.C.
Santa Fe*

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date

7.30.57

CASE

1285

Hearing Date

9 AM on 7/24/57 @ SF

My recommendations for an order in the above numbered cases are as follows:

OK to write order of approval
as advertised with requirement
for direction survey report upon
completion of work.

Wanumantis
Staff Member

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date

7/26

CASE

1285

Hearing Date

7/24/57

asked SF @ 900 am

My recommendations for an order in the above numbered cases are as follows:

Enter an order authorizing applicants to reenter their State "a" well no 1, 660' FSL and 1980' FEL Sec 32, T10S, R37E, Lea County, New Mexico, for the purpose of, ^{plugging said well back, and} setting a whip stock at or about 9100' below the surface and directionally drilling to the Devonian formation.

Provide that the hole shall be bottomed at a point located ~~within~~ no closer than 330 feet from the boundaries of the SW 1/4 of the SE 1/4 of Sec 32, T10S, R37E

Provide further that the applicant shall furnish the Commission with a deviational and directional survey, made by a reputable well surveying ^{Staff Member} company, upon completion of the well.
Van Miller
Examiner

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 1285
Order No. P-1032

IN THE MATTER OF THE APPLICATION
OF HARRY BASS DRILLING COMPANY
AND CHAMPLIN OIL AND REFINING
COMPANY AUTHORIZING DIRECTIONAL
DRILLING TO A PREDETERMINED POINT
IN THE ECHOL-DEVONIAN POOL, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on July 24, 1957, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 14th day of August, 1957, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicants, Harry Bass Drilling Company and Champlin Oil and Refining Company, are the co-owners and co-operators of the State "A" Well No. 1 at a surface location of 660 feet from the South line and 1980 feet from the East line of Section 32, Township 10 South, Range 37 East, NMPM, Lea County, New Mexico. That the said State "A" Well No. 1 is presently completed in the Echol-Devonian Pool and is producing large quantities of water.

(3) That the applicants propose to re-enter the said State "A" Well No. 1 for the purpose of plugging the well back to approximately 9,100 feet and there setting a whip stock and directionally drilling to the Devonian formation in an attempt to eliminate the water production from said well.

(4) That approval of the subject application will not cause waste nor impair correlative rights.

(5) That the applicants should not be permitted to bottom the said State "A" Well No. 1 closer than 330 feet from the boundaries of the SW/4 of the SE/4 of said Section 32.

-2-

Case No. 1285
Order No. R-1032

(6) That the applicants should be required to furnish the Commission with a deviational and directional survey, made by a reputable surveying company, upon completion of the well.

IT IS THEREFORE ORDERED:

(1) That the applicants, Harry Bass Drilling Company and Champlin Oil and Refining Company, be and the same are hereby authorized to re-enter their State "A" Well No. 1 at a surface location of 860 feet from the South line and 1980 feet from the East line of Section 32, Township 10 South, Range 37 East, NMPM, Lea County, New Mexico, for the purpose of plugging said well back to approximately 9,100 feet and there setting a whip stock and directionally drilling said well to the Devonian formation within the boundaries of the SW/4 SE/4 of said Section 32.

PROVIDED, HOWEVER, That the said State "A" Well No. 1 shall not be bottomed closer than 330 feet from the boundaries of the SW/4 or the SE/4 of said Section 32.

(2) That the applicants shall furnish the Commission with a deviational and directional survey, made by a reputable well surveying company, upon completion of the well.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. Mechem

EDWIN L. MECHEM, Chairman

Murray E. Morgan

MURRAY E. MORGAN, Member

A. L. Porter, Jr.

A. L. PORTER, Jr., Member & Secretary



ir/

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

August 19, 1957

C
O
P
Y

Mr. G. A. Staples
Champlin Oil & Refining Co.
P.O. Box 9365
Ft. Worth 7, Texas

Dear Sir:

We enclose a copy of Order R-1032 issued August 14, 1957, by the Oil Conservation Commission in Case 1285, which was heard on July 24th at Santa Fe before an Examiner.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

bp
Encl.

MAIN OFFICE OCC *Champion Oil & Refining Co.*
P. O. BOX 9305
FORT WORTH 7, TEXAS

1957 AUG 16 AM 3:40 August 16, 1957

State of New Mexico
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Under date of July 14 the commission heard Case 1285 which was the application of Harry Bass Drilling Company and Champlin Oil & Refining Co. for an order authorizing the directional drilling of their State "A" Well 1, Echol Devonian Field, Lea County, New Mexico.

Inasmuch as the well is presently operating at an economical loss, the operator is desirous of commencing the proposed directional drilling work at the earliest possible date and respectfully requests an early ruling from the commission.

Yours very truly,

G. A. Staples
G. A. Staples

GAS:djl

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
July 24, 1957.

CASE NO. 1285

DEARNLEY - MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE - SANTA FE
3-6691 2-2211

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

HEARING DATE Examiner July 26, 1967 TIME: 1:00 P.M.

NAME	REPRESENTING	LOCATION
Warren W. Mankin	W. M. C. C.	San Francisco, N. B.
Jack Cooley		
Nancy Loyel	N. M. S. S. S. S.	San Francisco
Wm. F. Jones	Reporting Service	San Francisco
George Staples	Champion Oil Refining Co.	San Francisco
Art. Gale		
W. R. Jackson	321 Washington St.	San Francisco
Robert D. King	77 Bay St.	San Francisco

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
July 24, 1957.

IN THE MATTER OF:

Application of Harry Bass Drilling Company and
Champlin Oil and Refining Company for an order
authorizing directional drilling to a predeter-
mined point in the Echol-Devonian Pool, Lea
County, New Mexico, in exception to Rule III of
the Commission Rules and Regulations. Appli-
cants in the above-styled cause, seek an order
authorizing them to re-enter their State "A"
Well No. 1 located 660 feet from the South line
and 1980 feet from the East line of Section 32,
Township 10 South, Range 37 East, Lea County,
New Mexico, for the purpose of directionally
re-drilling said well to a 50 foot target area,
the center of which is located 2018 feet from
the East line and 355 feet from the South line
of said Section 32.

) Case 1285

MABRY HALL, STATE CAPITOL
SANTA FE, NEW MEXICO

BEFORE:

Daniel S. Nutter, EXAMINER.

TRANSCRIPT OF HEARING

MR. NUTTER: The hearing will come to order, please.
The first case on the docket this morning will be Case Twelve
Eighty-five.

MR. COOLEY: Case Twelve Eighty-five, Application of

Harry Bass Drilling Company and Champlin Oil and Refining Company
for an order authorizing directional drilling to a predetermined
point in the Echol-Devonian Pool, Lea County, New Mexico, in
exception to Rule 111 of the Commission Rules and Regulations.
Who represents the applicant?

MR. STAPLES: I will. Possibly all of us are to testify.

MR. COOLEY: Would you identify yourself for the record.

MR. STAPLES: George Staples.

MR. COOLEY: Representing?

MR. STAPLES: Champlin Oil and Refining Company.

MR. COOLEY: And you have possibly two witnesses?

MR. STAPLES: Yes.

MR. COOLEY: Will you stand and be sworn, please?

(Witnesses sworn.)

MR. COOLEY: You may proceed, Mr. Staples.

A We have made this application to deviate the hole bore
of this State "A" One Well so that the bottom hole location will
be within a fifty-foot target area, the center of it which is two
thousand eighteen feet from the east line and three hundred fifty-
five feet from the South line of Section 32, Township 10 South,
Range 37 East. Currently, the well is producing large quantities
of salt water. Disposition of the salt water is exceedingly
difficult and expensive. It is believed that if the well be

deviated to the above requested point, a water free completion will be effected, and considerable additional oil recovery therefrom. We have been contacted by Sinclair, one of the other operators in the pool there, and I believe you have had a copy of their waiver of objection to this proposed location. Now, we have talked with Texas Company, and they have said they would not appear, and had no objection. They did not give us a letter on that. We have not heard from other operators in the field in regard to this proposed deviation. May I ask a question off the record?

MR. NUTTER: Yes, sir. Off the record.

(Discussion off the record.)

MR. NUTTER: On the record.

A (By Mr. Staples) I have here an Eastman Survey showing the present bottom hole location of the well.

MR. COOLEY: Let me interrupt. Will you state your name for the record, please?

A George A. Staples.

Q By whom are you employed?

A Champlin Oil and Refining Company.

Q Mr. Staples, would you give us a brief outline of your education and experience and background?

A I graduated from the Agricultural and Mechanical College

of Texas, with a degree in Geology in Nineteen Thirty-four. Since that time I have been with the Amerasia Petroleum Corporation, several independent contractors, and Champlin Oil and Refining Company, which was previously a Chicago corporation.

MR. NUTTER: And what position do you hold?

A I am assistant to the Vice-President in the Production Department.

MR. NUTTER: Would you proceed. Your qualifications are accepted.

MR. STAPLES: I would like to offer as Exhibit the present bottom hole location as determined by Eastman Survey.

MR. COOLEY: The instrument, identified as Exhibit One, is Eastman Directional Survey at present bottom hole location?

A Yes, sir. This survey shows that the present bottom hole location is south one hundred eighteen point ninety-nine feet, and east twenty-one point forty-seven feet, of the surface location.

MR. MANKIN: A hundred eighteen feet south, and what else?

MR. NUTTER: What is the surface location of this well?

A The surface location of this well is six hundred sixty from the south line, nineteen eighty from the east line, Section thirty-two, Township ten South, Range thirty-seven East, Lea

County, New Mexico.

MR. NUTTER: So, what would the location with regard to the section line of the bottom of the hole be, Mr. Staples?

A Let me see if I have that written down. According to Mr. Mankin's figures, it is nineteen sixty-five from the east line, and five forty-one from the south line.

MR. MANKIN: Is it fifty-five instead of sixty-five?

A We will see.

MR. MANKIN: Yes, fifty-five.

A Would you correct that to show nineteen fifty-five instead of sixty-five?

MR. NUTTER: And forty-five forty-one feet from the south line?

A Yes, sir. Now, I would like to point out that the proposed new bottom hole location will conform with the spacing Rule for the field as outlined in the Commission's Field Rules, and the proposed deviation is merely in the sake of economy, rather than driving a new well. The same thing can be accomplished by drilling a new well to this requested point here, and according to my information, it would be a permitted location.

MR. NUTTER: What formation is this well presently completed in?

A I will have to ask Mr. Gale to testify on that. He is

...I am not qualified to answer that.

MR. NUTTER: Do you have anything further, Mr. Staples?

A Not unless there are questions.

MR. NUTTER: Mr. Staples, the actual mechanics of directionally drilling this well will be in conformance with accepted industry procedure, will they not? That is, you will have a survey run of the well at periodic intervals to measure the point at which the bottom of the hole will be located?

A Yes, sir. We propose to do that, and we propose to furnish the Commission with a certified copy of the survey upon completion of the well.

Q And you will have this work done by a reputable well surveying location company?

A Yes, sir, a well known company.

MR. NUTTER: I believe that's all I have.

MR. MANKIN: Mr. Staples, to reiterate where you propose to locate this well, it will still be not closer than three hundred and thirty feet from the lease boundary line, is that correct?

A That is correct.

Q Which was as indicated in the notice of the hearing, would be two thousand and eighteen from the east line, and three hundred fifty from the south line of Section thirty-two?

A Yes, sir. That was the center of the target area as is outlined in the hearing notice. Now, it could get to within three hundred thirty feet from the lease line, and still be in conformance with the hearing notice.

Q Yes, but it still would not be closer than three hundred thirty feet from the outer boundary of the lease?

A Yes, that's true.

Q It -- this is to be whipstocked from what point?

A Actually, we don't know. We are going to attempt to pull the present five and a half casings, and if that is successful, we hope to retrieve the casing down to about ninety-one hundred feet. Now, that is just our plan. I don't know that we'll be able to do it, but we hope to; and, if that can be done, it would be deviated from that point.

Q Deviated from approximately ninety-one hundred, or whatever you are able to pull at that point?

A Yes, sir. I might state further, if we are not able to pull this casing down to a fairly good depth, it won't be practical to continue with the operation.

Q Do you have any knowledge as to the status of the well? Is it not cemented up to a point where you will have to cut and leave the lower, will you not?

A According to the record that I have on the well, the

temperature survey runs at the cementing of the five and a half casings, would be nine hundred feet.

Q You feel you are going to attempt to cut and pull it at that point?

A That is right.

Q And then you will, of course, have to whipstock it and put it in this fifty foot target area to again obtain the Devonian production, and obtain less water?

A That is correct.

Q Will there be someone testifying as to the well conditions, as to the water encountered, and the status of the pool, as to other wells making water?

A I have no information in regard to the other wells. I can give you the status of this well if you want me to.

Q Yes, I'd like to have that, please.

A The last test run at the well was sometime last week. It was pumping eleven strokes per minute, one hundred twenty inch strokes, with twenty-four barrels of oil, plus ninety percent water.

Q Do you know anything as to the history of this pool as to water production? Does it normally make quite a bit of water, or just edge water?

A I do not know.

Company as State AR-One, at the southeast corner of Section thirty-two. I assume you will attempt to stay farther away from that well, or is your target closer to that well?

A Actually --

Q I believe your target is closer to that well.

A It will be awful close. If you will notice, the proposed deviation direction, it is directly toward the Texas Company "AR" One.

Q Which is south of your well?

A South, and some west.

Q So, actually, the dry hole of the Texas Company well, directly west of your well -- you will not be any closer to that well?

A Very little.

Q Very little, if any? The reason I asked you was because it was an abandoned well?

A Yes, sir.

MR. MANKIN: I believe that's all.

MR. NUTTER: Mr. Staples, the proposed bottom of this hole is three hundred thirty feet from the south line, and two thousand eighteen from the east line, correct?

A Yes, sir, that was the second application after making

my original application to the hearing. I talked with Mr. Porter, and found out the application was not in the very best of form, and he suggested I make an amendatory application, which I did, and suggested that the bottom hole be three thirty from the south; and when the hearing notice came out, it incorporated parts of both of the requests for hearing.

MR. NUTTER: Well, now --

A (Interrupting) But now, we do definitely request that it be no closer than three thirty to the lease line.

Q Well, now, you have outlined that the projected bottom of the hole is two thousand eighteen feet from the east line, and three hundred thirty feet from the south line?

A Yes, sir.

Q But you are requesting a fifty-foot target area. Do you mean a fifty foot radius, or diameter circle?

A Fifty foot diameter.

Q In other words, you would have a leeway of twenty or twenty-five feet in any direction?

A No, sir. We are not asking for twenty-five feet closer to the lease line. We are just asking that we be -- I would be perfectly willing to make it, or make it as my last letter indicated, three hundred thirty from the south line, and two thousand eighteen from the west line.

Q Is the distance from the south line?

A East line.

Q In other words, that would be less restrictive to inside your unit area, and you could come in further away from the unit line, and you would not bottom the hole any closer than those figures?

A That is right. I would like to have a little tolerance on my side, not on the other man's side. If I'm three forty, I don't want to do anything about it, so -- I mean three thirty from him.

Q Well, Mr. Staples, New Mexico Rules and Regulations don't permit a hole to be closer than three hundred thirty feet from the lot line. However, that's the surface location; we don't know where a lot of these holes bottom out. How much deviation would you like to have as far as your side of the hole is concerned?

A May I ask a question? I'm not sure I understand there. The point I'm trying to make, I don't want to get closer than three thirty to that line. I don't mind if I'm three forty or three fifty. I want to be as close to three thirty as I can get, which would be the legal location. If it ends at three hundred forty feet from the south line, or three hundred fifty, I would like to keep the well.

A I'll see it doesn't.

Q I see. You are not asking less than three hundred thirty feet from that line?

MR. RANKIN: (Interrupting) Mr. Staples, I believe the advertisement stated "directionally re-drillings said well to a fifty foot target area from the center of the location". That still gave twenty-five foot leeway in any direction. This could cover your problem of not being less than three hundred thirty feet, and would still give you three forty or three thirty, or anything within a fifty-foot target area. I believe it would still cover your problem.

A That is correct, sir.

MR. COOLEY: Mr. Staples, would the authority as advertised be satisfactory -- fifty-foot target area -- the center of which would be two thousand eighteen feet from the east line, and three fifty feet from the south line?

A Yes, sir, that would be satisfactory.

MR. MUTTER: That would be a fifty foot diameter circle from that point?

A Yes, sir.

MR. MUTTER: Anyone else have questions of the witness? If not, the witness may be excused.

MR. CCOLEY: I want to ask you two questions.

MR. NUTTER: Recall the witness.

MR. CCOLEY: Have you tried to calculate what the economic savings will be over the drilling of an additional well, if this application is granted?

A No, sir, I have not in it's entirety. I have calculated the cost of this. My figures say one hundred forty-seven thousand nine hundred twenty dollars.

Q What does it cost to drill a well in this area?

A You'd probably be working at a saving of somewhere around seventy-five thousand dollars.

MR. NUTTER: Any other questions of the witness? If not, he may be excused.

(Witness excused.)

ARTHUR GALE

a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

MR. CCOLEY: State your name and position.

A Arthur S. Gale. Junior Chief Exploration Geologist for Champlin Oil and Refining Company.

Q Would you briefly outline your educational background and experience you have had in the oil industry.

A I graduated with a degree in Geology from the University

of Rochester, New York in 1934. He received a Masters Degree in Geology from the University of Chicago, Nineteen Thirty-eight, and since that time have been actively engaged in petroleum geology in the southwest, working in many states.

Q Are you familiar with the geology in the Echols-Devonian Pool in Lea County, New Mexico?

A I am.

MR. COOLEY: Witness' qualifications acceptable?

MR. NUTTER: They are.

MR. COOLEY: Will you proceed and present what evidence you have.

A Off the record.

MR. NUTTER: Off the record.

(Discussion off the record.)

MR. NUTTER: On the record.

A Champlin State One "A" well in the Echols field is completed currently at the Devonian formation, is topped at eleven thousand six hundred and twenty-five feet sub "C", minus seven thousand six hundred sixty-nine and it is completed through perforations from eleven thousand six hundred thirty-one to eleven thousand seven-zero-one. The water level, which I'm using in this field, which is at a sub "C" depth of eleven thousand eight hundred and forty-five -- pardon me -- seven thousand eight

formation. We have no break in this long series of perforations. We have reason to believe that it will be virtually impossible, by previous experience of others in this field, to effectively shut off the water that is coming in, in that long series of perforations, and then recomplete the well as an effective producer. We believe a new hole into the formation is necessary to eliminate the water. Our application, therefore, is based on a new hole, and at the same time, placing that hole structurally a little more advantageously on the lease. We anticipate encountering the Devonian forty to fifty feet higher than in the present hole by so deviating.

MR. NUTTER: Do you have anything further?

A I can't think of anything.

Q Any further questions of the witness?

MR. MANKIN: Mr. Gale, I got the impression you talked of topping the Devonian, in the present well there at seventy-six seventy-nine minus seventy-six sixty-nine feet, and I believe you said the water level was minus seventy-eight forty-five.

A That is correct. That is the original water level. The water level today, I am afraid, is ill defined.

Q Do you feel the water level today is possibly somewhat near the top of your perforations in the present well?

A I wish I knew; I don't. We are making water, and we

don't know in that long series of perforations, which is embarrassing to me -- it's a broken zone of porosity, and any one of those zones may be the water bearing one. We have no way of knowing what level the water is coming in.

Q You said a long series of perforations. I believe your well has about seventy feet of perforations?

A That is correct.

Q You don't feel anywhere in that seventy feet of perforations you could get a semi-water-free completion?

A I believe in all probability, the water is in the bottom part, and, if we could mechanically and effectively shut it off, we probably could effect a water free completion. We don't feel we can soon do that.

Q Has experience been in this pool to get rid of water there by plugging back, or is it impossible to get rid of water?

A Attempts have been made to plug it back; and in some cases it has been effective to some degree, and in others, it has been a complete failure at great expense.

MR. MANKIN: I believe that's all.

MR. NUTTER: Are you prepared to testify as to the difficulties that might be encountered in plugging this well by having it a crooked hole?

A No, sir.

Q Is there any address who will testify as to that?

A No, sir.

MR. MANKIN: I believe that's all.

MR. NUTTER: Any questions of this witness? If not, he may be excused.

(Witness excused.)

MR. COOLEY: Recall Mr. Staples to the stand, please.

MR. NUTTER: Mr. Staples, do you anticipate, when you get a producing well in the Devonian formation from your new hole, that it will be a flowing well?

A It will possibly flow for a short period of time.

Q What is the history of wells in this location? Are they flowing or pumping wells?

A I don't know. This well, I am familiar with, is a pumping well; I think all are pumping wells.

Q What system of pumping do you use?

A Rod pumps, and we are pumping from a fairly shallow depth, though the fluid stands high in the hole. If I may refresh my memory here, the pump is set at approximately four thousand feet, so there will be no crooked hole at that point. The hole will be in its original condition.

MR. NUTTER: I think you said you whipstocked at ninety-one hundred feet?

A Yes, sir.

Q You don't anticipate you would be pumping the well with the pump set below the point at which you will whipstock?

A That is correct, sir.

Q So there will be no problem as to artificial lift as a result of whipstocking --

MR. MANKIN: (Interrupting) Do you know what the normal drift of the wells in this field is? I mean, is it less than four degrees normal completion?

A The only one I'm familiar with is this particular well on which we submitted the Survey.

Q Do you have any idea whether that is two, three or four degrees, roughly?

A I will have to look and see where it took place, as to the depth of the well -- down to approximately nine thousand feet. I have not seen any drift angle greater than about one and a half degrees. Below that point, I note that there are several four and five degree leads.

Q So, essentially, the statewide rule requires for the all-over degrees deviation. This has been met in most cases?

A For this particular well, yes.

Q Yes, I'm speaking of this particular well.

A Yes, sir.

Q Have you had any calculations from your own surveying company as to what maximum deviations would be necessary?

A I believe I have such here: let me check and see. It looks like ten degrees is the maximum deviation here.

MR. NUTTER: Thank you. Anyone else have questions of the witness? If not, he may be excused.

(Witness excused.)

MR. NUTTER: Does anyone else have anything further they wish to enter on Case Twelve Eighty-five?

(No response.)

MR. NUTTER: We have correspondence from Sinclair Oil and Gas Company regarding this case?

MR. COOLEY: I have a letter from Sinclair Oil and Gas Company, Midland, Texas, dated July Nineteenth, Nineteen Fifty-seven, addressed to New Mexico Oil Conservation Commission, Post Office Box Eight-Seven-One, Santa Fe, New Mexico, for Attention Mr. Daniel S. Nutter (reading) - "Please refer to Case Twelve Eighty-five on the Examiner Docket scheduled to be heard July Twenty-fourth, Nineteen Fifty-seven, in Santa Fe, New Mexico. We have been advised by the Champlin Oil and Refining Company that they desire to directionally redrill their State "A" Well Number One located six hundred sixty feet from the South line and nineteen hundred eighty feet from the East line of Section Thirty-

two, Ten S., Thirty-seven East, Echols Derricks Field, Lea County, New Mexico. We understand that Champlin desires to bottom their well no closer than three hundred thirty feet from their lease line. Sinclair Oil and Gas Company has no objections to the granting of this application provided the applicant be required to comply with the provision of Statewide Rule One Eleven (b) which requires that a deviational and directional survey be run and filed with the Commission. Yours very truly, (signed) R. F. Higginbotham, Assistant Division Production Superintendent."

MR. NUTTER: Does anyone else have anything further in this case?

(No response).

MR. NUTTER: Without objection, you wish to enter Exhibit Number One?

A Yes, sir.

MR. NUTTER: Without objection, Exhibit One will be entered in Case Twelve Eighty-five. No further statements?

(No response.)

MR. NUTTER: We will take the case under advisement.

C E R T I F I C A T E

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

I, CALVIN BEVELL, Court Reporter, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand this 30th day July, 1957, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Calvin Bevell

Calvin Bevell, Court Reporter.

I do hereby certify that the foregoing is a complete record of the proceedings in the examination hearing of No. 1285 heard by me on 7-24, 1957.

Samuel H. Tuttle
Examiner
New Mexico Oil Conservation Commission

Champion Oil & Refining Co.

P. O. Box 1767
Santa Fe, New Mexico

September 11, 1957

Case
1285

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Dear Sir:

According to Case No. 1285, Order No. 2-1032 dated August 14, 1957, we obtained authority to plug the State 92" Well No. 1 above the present producing interval at 11,701 feet - 11,701 feet, pull and salvage 5-1/2" production casing, then re-trill the well directionally to complete the well to the same producing horizon.

This is to inform you, that after the well was plugged to carry out the above procedure due to the fact that the 5-1/2" casing, we have now decided to plug the well with well.

It is understood that no cancellation of the above order will be needed, but we feel that our change of plan should be submitted for the information of the Oil Conservation Commission.

Very truly,

CHAMPION OIL & REFINING CO.

District Superintendent

HNE:jdd

ILLEGIBLE