

1 - 178

NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

July 21, 1964

NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

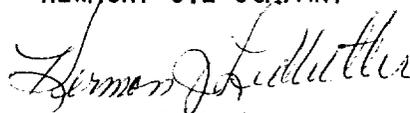
Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Well No. 33-1 (C-2-18S-29E) Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY



Herman J. Ledbetter
District Superintendent

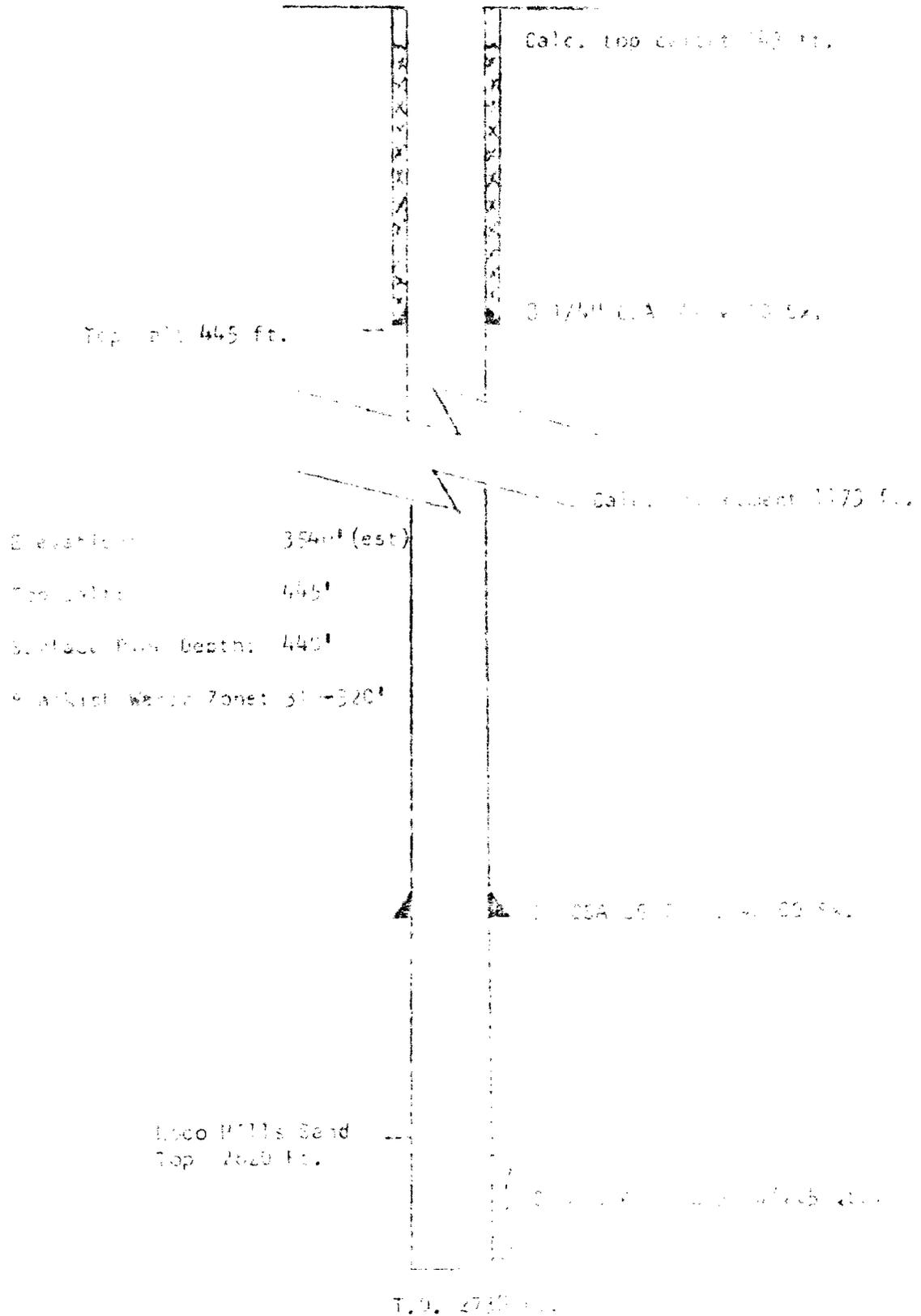
HJL-sf
Attachments (2)

Sinclair Oil Company
520 East Broadway
Hobbs, New Mexico

Bassett-Birney Oil Company
Carper Building
Artesia, New Mexico

Mr. S. E. Reynolds
State Engineer
Santa Fe, New Mexico

WEST LOCO HILLS UNIT
 WELL 33-1
 COMPLETED: JAN. 1941
 INITIAL POTENTIAL: FLOW 60 BOPD



NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

July 30, 1964

NEW MEXICO
DISTRICT OFFICE
1964 AUG 7 AM 7:48

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 21B Well No. 5, Section 18-18-30, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

Yours very truly,

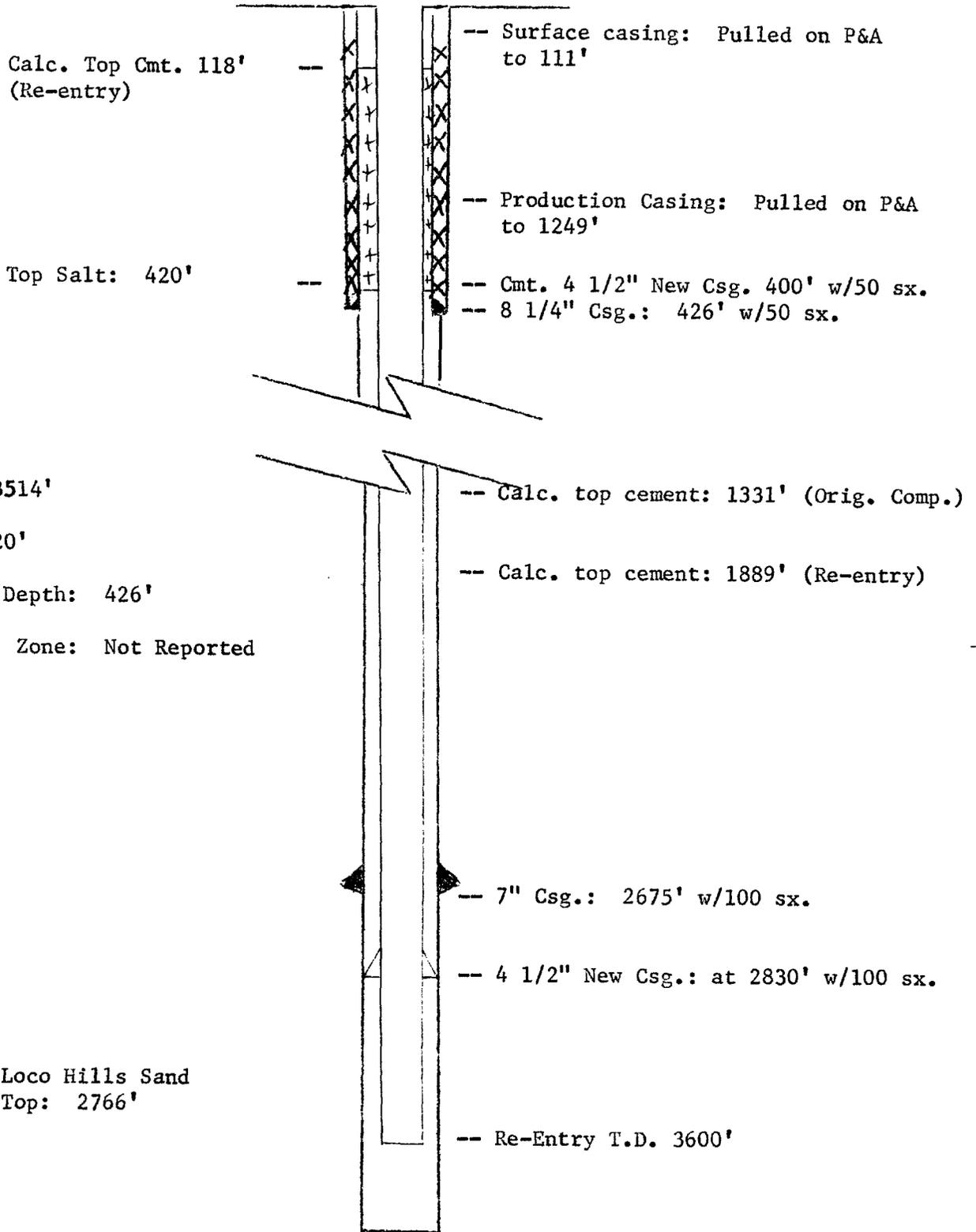
NEWMONT OIL COMPANY

Herman J. Ledbetter
by John A. Fagin
Herman J. Ledbetter
District Superintendent

JAF:HJL/sf
Attachments (2)

WEST LOCO HILLS UNIT
WELL 21B-5

1980' FNL & 1980' FWL
Sec. 18-18S-30W
Original Completion 8-4-45 P&A 11-24-50
Re-entry Completion 4-21-64



Elevation: 3514'

Top Salt: 420'

Surface Pipe Depth: 426'

Brackish Wtr. Zone: Not Reported

Loco Hills Sand
Top: 2766'

Old T. D. 3620'

NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

MAIN OFFICE 000

July 30, 1964

1964 AUG 7 AM 7 47

NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Sarta Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 21B Well No. 6, Section 18-18-30, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

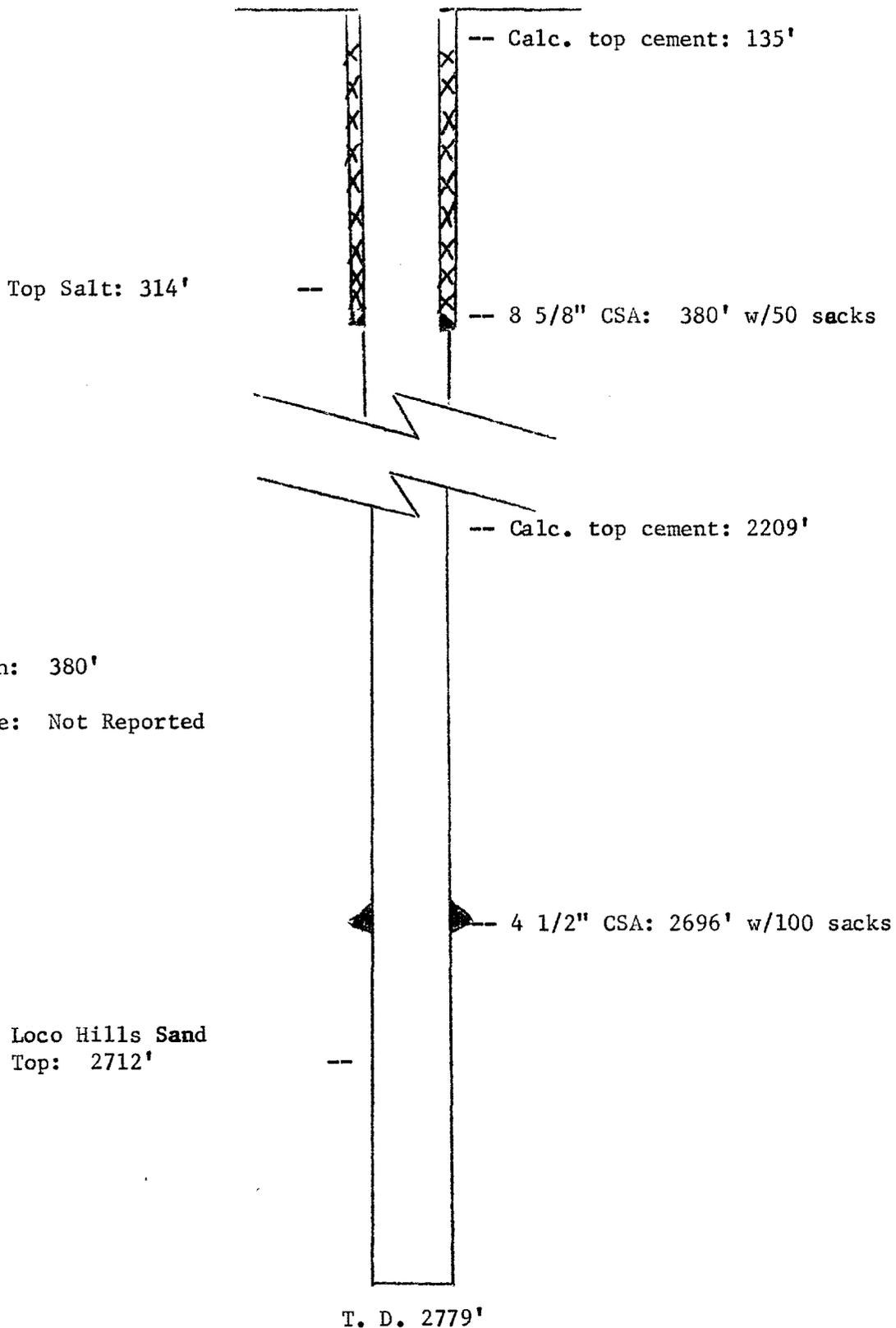
Yours very truly,

NEWMONT OIL COMPANY

Herman J. Ledbetter
by John C. Fagin
Herman J. Ledbetter
District Superintendent

JAF:HJL/sf
Attachments (2)

WEST LOCO HILLS UNIT
WELL 21B-6
1650' FNL - 924' FWL
Sec. 18-18S-30E
Completed 5-21-64



NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

1964 AUG 7 AM 7:47

July 30, 1964

NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 11A-2 in Section 11-18-29, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator off-setting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY

Herman J. Ledbetter
by John A. Fagin

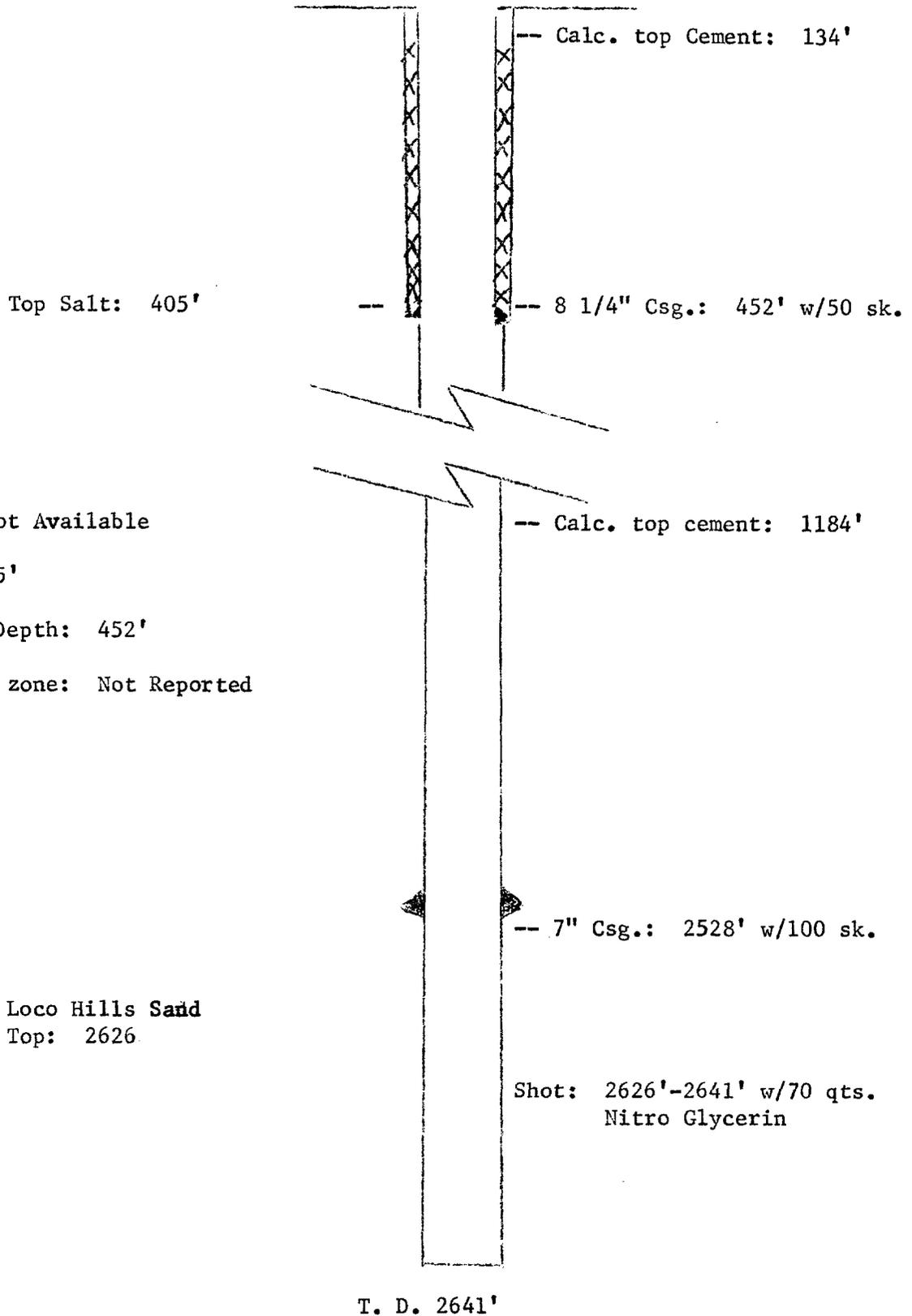
Herman J. Ledbetter
District Superintendent

JAF:HJL/sf
Attachments (2)

CC: Mr. S. E. Reynolds
State Engineer
Santa Fe, New Mexico

WEST LOCO HILLS UNIT
WELL 11A-2

990' FNL & 990' FWL
Sec.11-18S-29E
Completed 1-4-40



NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

NEW MEXICO OIL

July 30, 1964

1964 AUG 7 AM 7 57 NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 29 Well No. 2, Section 2-18-29, Loco Hills Sand Unit waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator off-setting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY

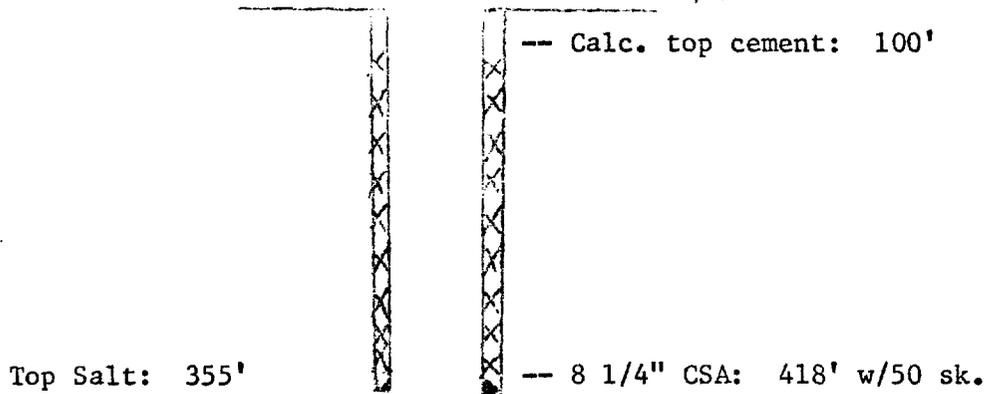
Herman J. Ledbetter
by John A. Fagan
Herman J. Ledbetter
District Superintendent

JAF:HJL/sf
Attachments (2)

CC: Mr. S. E. Reynolds
State Engineer
Santa Fe, New Mexico

WEST LOCO HILLS UNIT
WELL 29-2
Sec. 2-18S-29E
1980' FNL & 1980' FEL
Completed 11-14-39

2010 FNL 8'
2010 FEL 8'



Elevation: Not Available

Top Salt: 355'

Surface Pipe Depth: 418'

Brackish Wtr. Zone: Not Reported

-- Calc. top cement: 1181'

-- 7" CSA: 2525' w/100 sks.

Loco Hills Sand
Top: 2638'

Shot: 2631' to 2656' w/120 qts.
Nitro Glycerin

T. D. 2656'

NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

MAIL ROOM 000

July 30, 1964

1964 AUG 7 AM 7:47 NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 11B Well No. 9, Section 11-18-29, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY

Herman J. Ledbetter
by John A. Fagin
Herman J. Ledbetter
District Superintendent

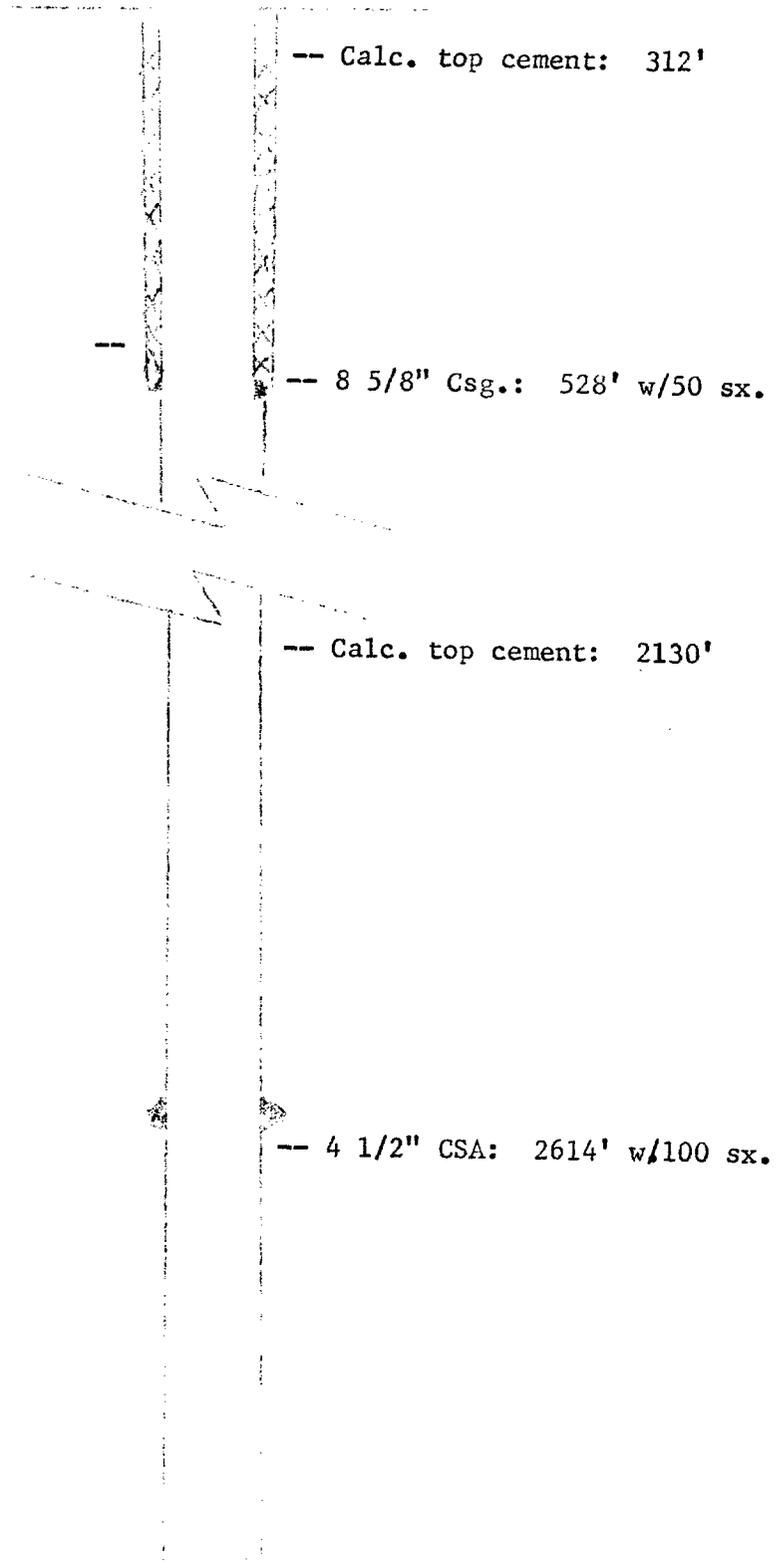
JAF:HJL/sf
Attachments (2)

CC: Mr. S. E. Reynold
State Engineer
Santa, Fe, New Mexico

Fair Oil Company
P. O. Box 689
Tyler, Texas

Dixon Yates
Artesia, New Mexico

WEST LOCO HILLS UNIT
WELL 11B-9
660' FSL & 660' FWL
Sec. 11-18S-29E
Completed 5-22-64



Top Salt: 490'

Elevation: 3505 GR

Top Salt: 490'

Surface Pipe Depth: 528'

Brackish Wtr. Zone: Not Reported

Loco Hills Sand
Top: 2626'

T. D. 2670'

NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

OFFICE 000

July 30, 1964

1964 AUG 7 AM 7:45
NEW MEXICO DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 32B Well No. 6, Section 11-18-29, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY

Herman J. Ledbetter
by John C. Faigin
Herman J. Ledbetter
District Superintendent

JAF:HJL/sf
Attachments (2)

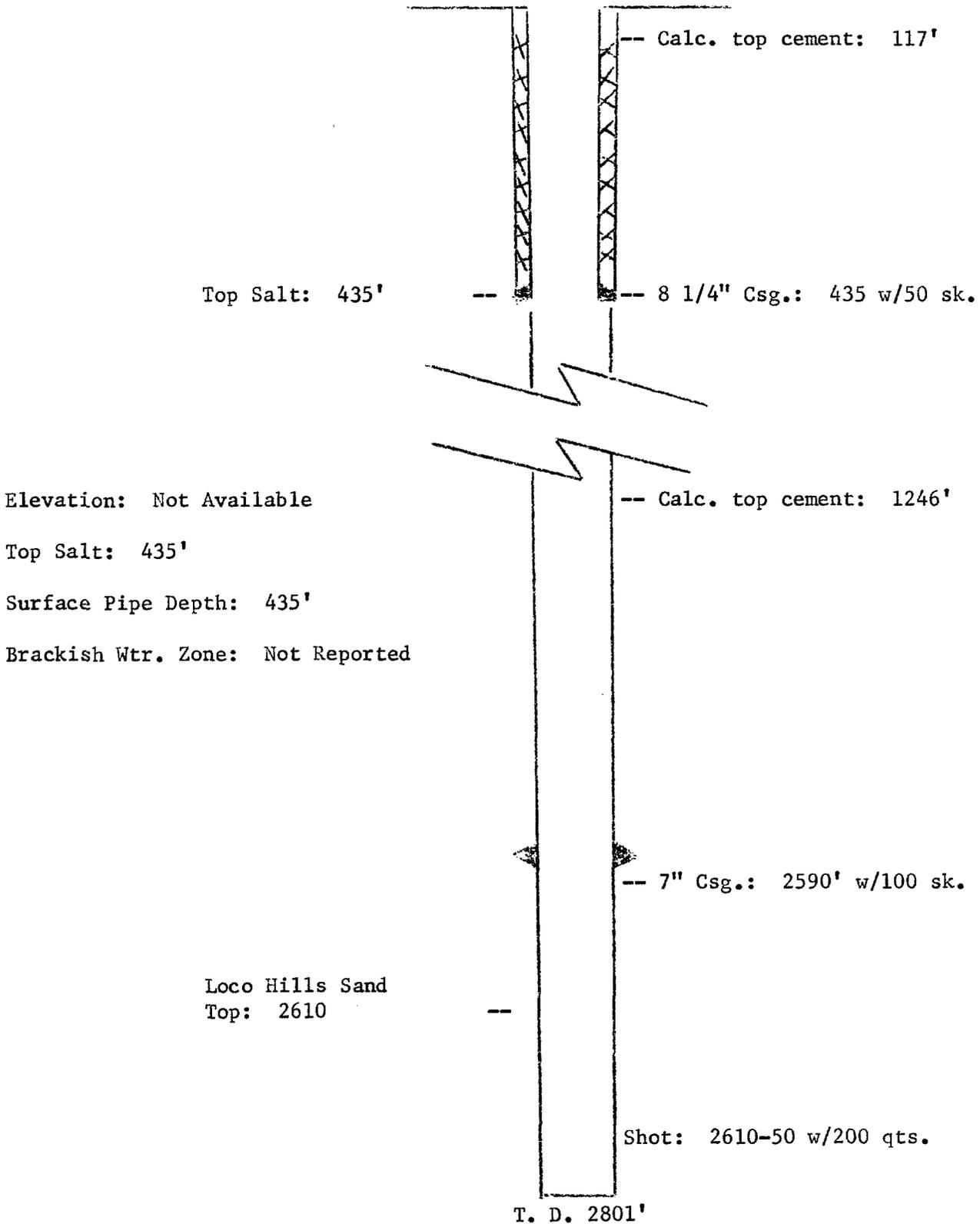
CC: Mr. S. E. Reynolds
State Engineer
Santa Fe, New Mexico

Yates Petroleum Corp.
Carper Building
Artesia, New Mexico

WEST LOCO HILLS UNIT
WELL 32B-6

2310' FSL & 2310' FEL

Completed 6-15-40



NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

NEW MEXICO DISTRICT OFFICE

July 30, 1964

1964 AUG 7 AM 7 45
NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 7A Well No. 1, Section 13-18-29, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY

Herman J. Ledbetter
by John A. Fagin

Herman J. Ledbetter
District Superintendent

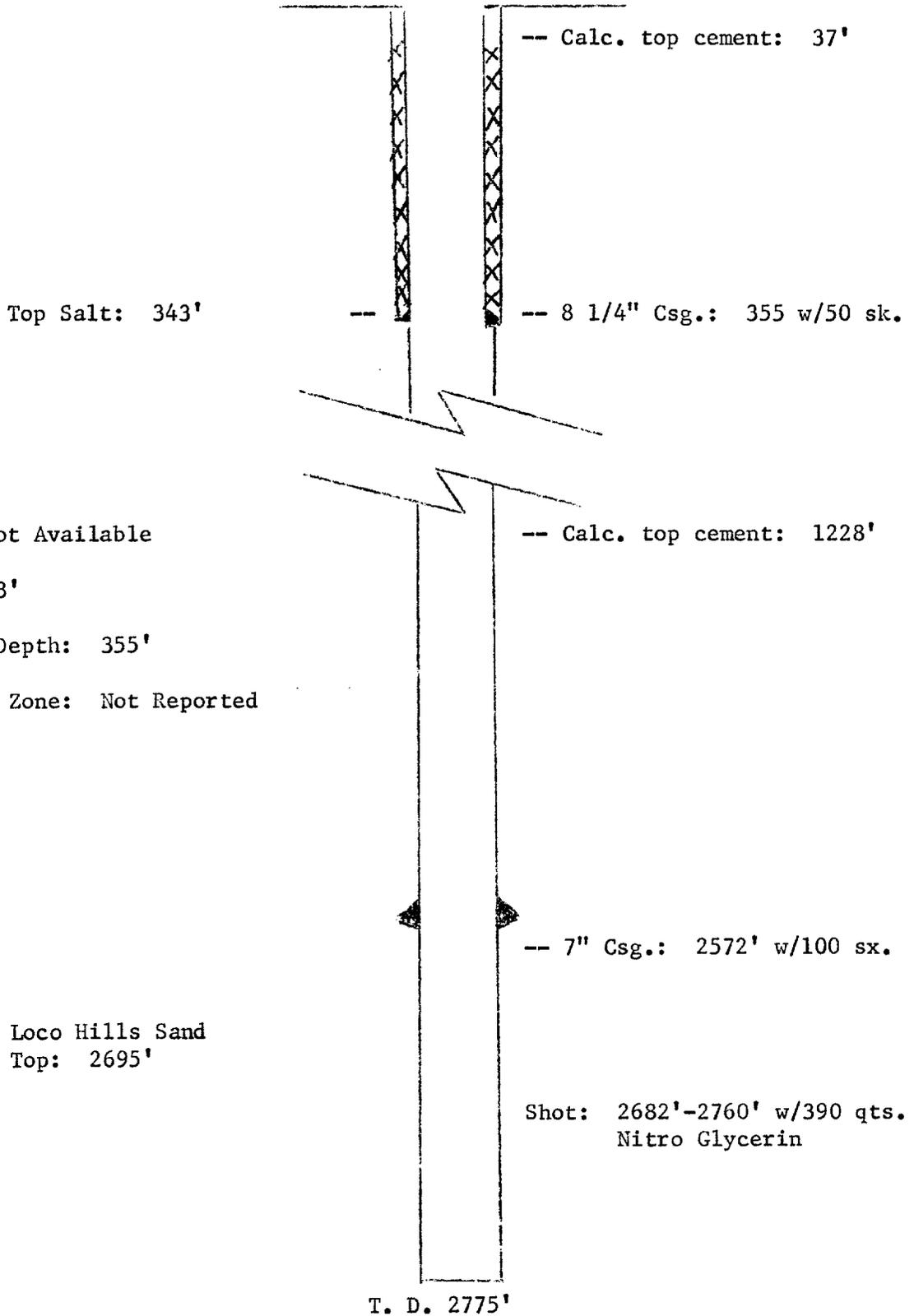
JAF:HJL/sf
Attachments (2)

CC: Mr. S. E. Reynolds
State Engineer
Santa Fe, New Mexico

Dixon Yates
Carper Building
Artesia, New Mexico

WEST LOCO HILLS UNIT
WELL 7A-1

660' FNL & 660' FEL
Completed 2-7-44



NEWMONT OIL COMPANY

ROWLEY BUILDING
ARTESIA, NEW MEXICO

1964 AUG 7 AM 7 43

July 30, 1964

1964 AUG 7 AM 7 43 NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter
Secretary-Director
P. O. Box 871
Santa Fe, New Mexico

Dear Sir:

Newmont Oil Company hereby requests administrative approval to convert Tract 13B Well No. 9 in Section 12-18-29, Loco Hills Sand Unit Waterflood to water injection. This conversion is within Stage II of the Development Plan as provided for in Order R-2178-B (Case Number 2578) and as amended by Order R-2178-C (Case 2805), the later order being dated June 11, 1963.

By attachment hereto is pertinent data in compliance with requirements as set forth by the above referred orders. A copy of this application has been sent to each operator offsetting the proposed injection well and to the state engineer.

Yours very truly,

NEWMONT OIL COMPANY

Herman J. Ledbetter
by John A. Fager

Herman J. Ledbetter
District Superintendent

JAF:HJL/sf
Attachments (2)

CC: Mr. S. E. Reynolds
State Engineer
Santa Fe, New Mexico

WEST LOCO HILLS UNIT
WELL 13B-9
1980' FNL - 660' FWL
Sec.12-18S-29E
Completed 5-28-64

Top Salt: 443'

-- Calc. top cement: 203'

-- 8 5/8" Csg.: 446' w/50 sx.

Elevation: 3510'

Top Salt: 443'

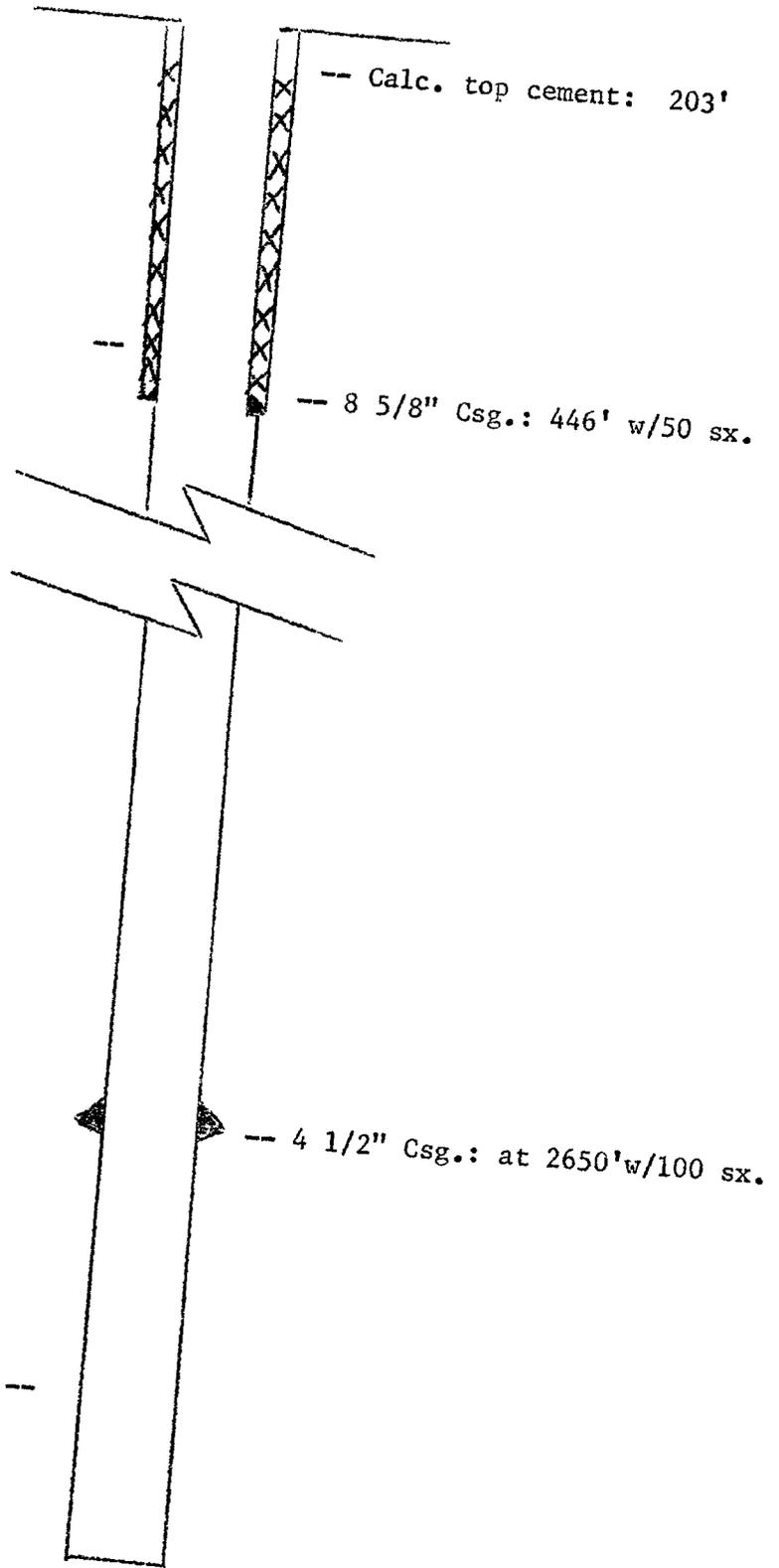
Surface Pipe Depth: 446'

Brackish Wtr. Zone: Not Reported

-- 4 1/2" Csg.: at 2650' w/100 sx.

Loco Hills Sand
Top: 2666'

T. D. 2732'





1964 JUL 30 AM 7:37

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

July 29, 1964

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

178

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Newmont Oil Company dated July 21, 1964 which seeks administrative approval to convert Well No. 33-1 (C-2-18S-29E) Loco Hills Sand Unit waterflood project to water injection.

After reviewing the application and the diagrammatic sketch on the subject well and considering the age of the well, the depth to salt and the depth setting of the surface casing, it appears that no threat of contamination to the fresh waters which may exist in the area will occur, provided injection is through tubing under a packer with the packer wet well below the top of the cement surrounding the 7 inch casing. Therefore, this office offers no objection to the granting of the application, provided injection is accomplished in the manner set forth above.

Yours truly,

S. E. Reynolds
State Engineer

By: *Frank E. Irby*
Frank E. Irby
Chief
Water Rights Div.

FEI/ma
cc-Newmont Oil Co.
F. H. Hennighausen



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

August 18, 1964

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

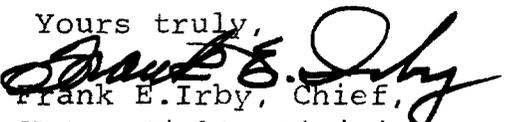
Reference is made to the applications of Newmont Oil Company which seek authorization to convert the following wells in the Loco Hills Sand Unit Waterflood to water injection:

<u>Tract</u>	<u>Well No.</u>	<u>Section</u>
21B	6	18-18-30
21B	5	18-18-30
11B	9	11-18-29
7A	1	13-18-29
32B	6	11-18-29
29	2	2-18-29
11A	2	11-18-29
13B	9	12-18-29

This office offers no objection to the granting of these applications provided the following wells accomplish their injection down tubing under a packer:

21B	5	18-18-30
7A	1	13-18-29
32B	6	11-18-29
29	2	2-18-29
11A	2	11-18-29

FEI/ma
cc-Newmont Oil Co.
F. E. Hennighausen

Yours truly,

Frank E. Irby, Chief,
Water Rights Division

BASSETT - BIRNEY OIL CORPORATION

ARTESIA, NEW MEXICO

OIL PRODUCERS AND OPERATORS

EL PASO, TEXAS

ARTESIA, NEW MEXICO

August 24, 1964.

MAIN OFFICE

'64 SEP 13 PH 12 21

Mr. A. L. Porter,
Secretary-Director,
Oil Conservation Commission,
P. O. Box 371,
Santa Fe, New Mexico.

Dear Mr. Porter:

Regarding request of Newmont Oil Company for approval to convert Well No. 33-1 (Unit C-2-18S-29E) West Loco Hills Sand Unit Waterflood, to water injection.

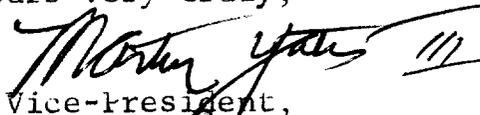
Well No. 33-1 is a direct offset to and 500 feet east of Bassett-Birney Oil Corporation State No. 5 well, located in Unit D (NW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section 2, T. 18 S., R. 29 E, which is producing from a different zone (Me-Tex) than the sand being waterflooded. The No. 4 sand is present in this #5 well, had a show of gas but did not produce oil.

If well #33-1 is converted to water injection, Bassett-Birney Oil Corporation will expect the Unit Operator to protect said #5 well from waterflood damage as required in Article 12, Paragraph 12.2 of the Unit Operating Agreement, West Loco Hills Grayburg No. 4 Sand Unit which states:

"The Unit shall be responsible for protecting from waterflood damage that one certain well known as the Bassett-Birney #5, located in the SENWNW of Section 2, T. 18 S., R. 29 E. that is producing from a different zone."

If this #5 well is given the required protection, Bassett-Birney Oil Corporation has no objection to the conversion of Well No. 33-1 to water injection.

Yours very truly,



Vice-President,

Bassett-Birney Oil Corporation.

MY:nc
Cc. Newmont Oil Co.



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

August 26, 1964

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

87501

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Comm.
Santa Fe, N. M.

Dear Mr. Porter:

Reference is made to the applications of Newmont Oil Company which seek authorization to convert the following wells

Tract	Well No.	Section
21B	6	18-18-30
21B	5	18-18-30
11B	9	11-18-29
7A	1	13-18-29
32B	6	11-18-29
29	2	2-18-29
11A	2	11-18-29
13B	9	12-18-29

in the Loco Hills Sand Unit Waterflood to water injection and to my letter of August 18, 1964 pertaining to these applications.

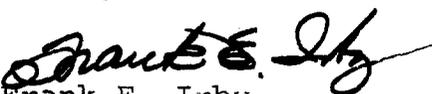
Mr. John F. Russell, Attorney for Newmont Oil Company and Mr. Herman J. Ledbetter, Producing Superintendent came to my office yesterday and discussed with me the general situation in the Loco Hills pool and handed me a report titled "The Method of Drilling and Completing Oil Wells in the Loco Hills Sand and other Grayburg-San Andres Fields along the Artesia-Lovington Trend." Attached to and made a part of the report was Exhibit 1 which shows the series of formations penetrated by these wells and the casing program of the wells. Also attached to and made a part of the report are Exhibits 2, 3, 4 and 5 which are analyses of water being injected.

After reading this report and discussing the geology and the

several methods of determining if and when leaks occur in the casing and the treatment of the water being injected, I have a much clearer understanding of the situation in this project. I am now convinced that the injection method proposed in the applications above referred to is adequate to prevent any threat of contamination to fresh waters which may exist in the area. Therefore, this office offers no objection to the granting of the applications.

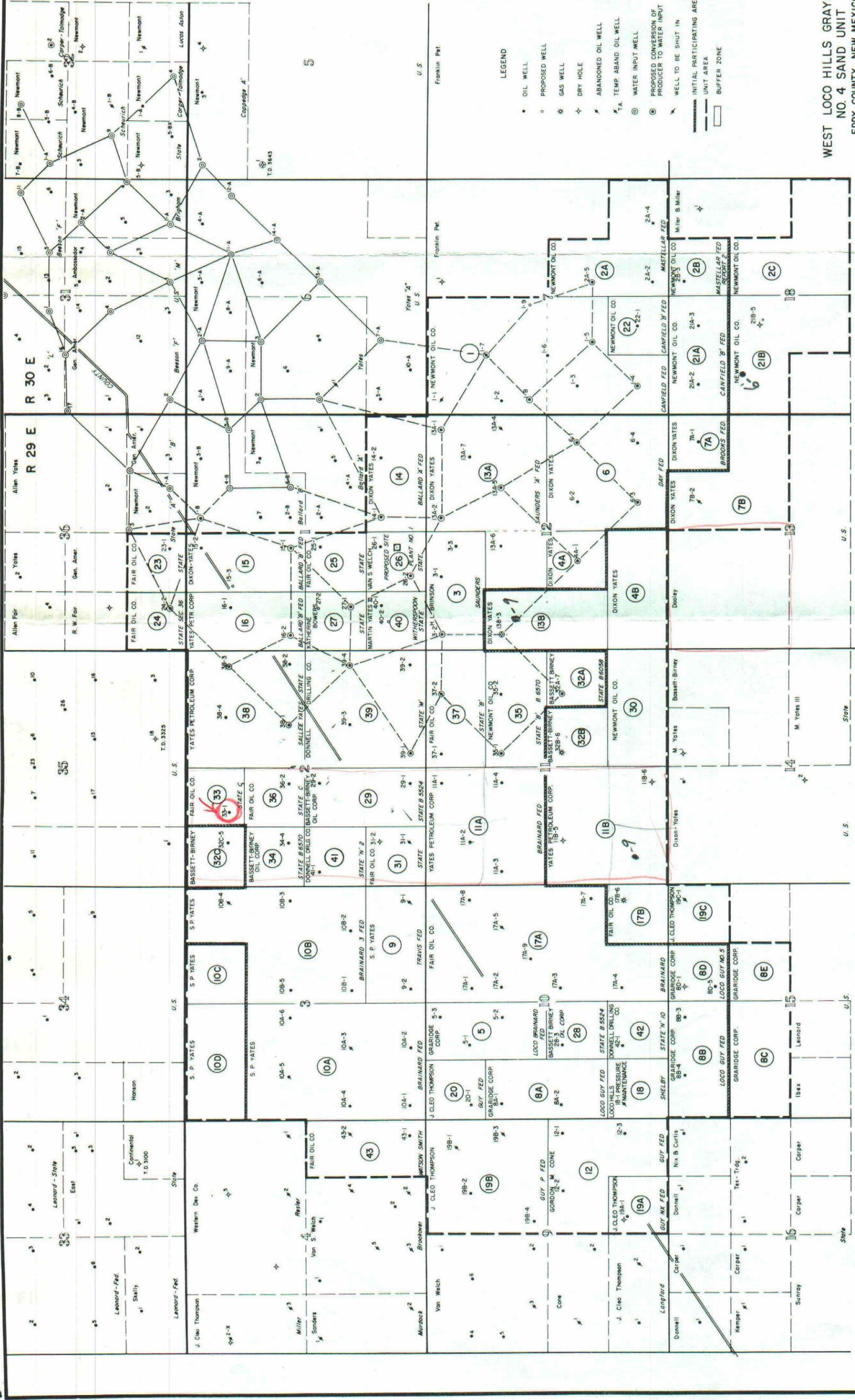
Very truly yours,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Div.

FEI/ma
cc-F. H. Hennighausen
Newmont Oil Co.

T 17 S
T 18 S



Tract No.	Sec. No.	Lease No.	Well No.
1	7	LC-047629 (a)	1, 2, 3, 4, 5, 6, 7, 8
2A, B, C	7 B 18	LC-048468	2, 3, 4, 5
21A, B, B	7	WM-025614	2, 3, 4
22	7	WM-025623	1
3	12	LC-050029 (a)	1, 2, 3
4A, B, B	12	LC-050429 (b)	1, 2, 3, 4
6	12	LC-055374	1, 2, 3, 4
13A, B, B	12	LC-059904	1, 2, 3, 4, 5, 6, 7
14	12	LC-062905 (a)	1, 2
15	12	LC-062905 (b)	1, 2
16	36	B-1778-34	1, 2
23	36	B-2033-8	1, 2
24	36	B-2064-128	1, 2
25	36	B-5584-13	1, 2
26	36	B-5584-13	1, 2
27	40	B-7072-5	1, 2
28	40	B-7072-5	1, 2
29	11	LC-050481	1, 2, 3, 4, 5, 6
30	11	B-5584-24	1, 2
31	11	B-5584-24	1, 2
32A, B, C	11	B-5584-24	1, 2
33	11	B-5584-24	1, 2
34	11	B-5584-24	1, 2
35	11	B-5584-24	1, 2
36	11	B-5584-24	1, 2
37	11	B-5584-24	1, 2
38	11	B-5584-24	1, 2
39	11	B-5584-24	1, 2
40	11	B-5584-24	1, 2
41	11	B-5584-24	1, 2
42	10	LC-044293	1, 2, 3
43	10	LC-056014	1, 2
44	10	LC-056014	1, 2
45	10	LC-056014	1, 2
46	10	LC-056014	1, 2
47	10	LC-056014	1, 2
48	10	LC-056014	1, 2
49	10	LC-056014	1, 2
50	10	LC-056014	1, 2
51	10	LC-056014	1, 2
52	10	LC-056014	1, 2
53	10	LC-056014	1, 2
54	10	LC-056014	1, 2
55	10	LC-056014	1, 2
56	10	LC-056014	1, 2
57	10	LC-056014	1, 2
58	10	LC-056014	1, 2
59	10	LC-056014	1, 2
60	10	LC-056014	1, 2
61	10	LC-056014	1, 2
62	10	LC-056014	1, 2
63	10	LC-056014	1, 2
64	10	LC-056014	1, 2
65	10	LC-056014	1, 2
66	10	LC-056014	1, 2
67	10	LC-056014	1, 2
68	10	LC-056014	1, 2
69	10	LC-056014	1, 2
70	10	LC-056014	1, 2
71	10	LC-056014	1, 2
72	10	LC-056014	1, 2
73	10	LC-056014	1, 2
74	10	LC-056014	1, 2
75	10	LC-056014	1, 2
76	10	LC-056014	1, 2
77	10	LC-056014	1, 2
78	10	LC-056014	1, 2
79	10	LC-056014	1, 2
80	10	LC-056014	1, 2
81	10	LC-056014	1, 2
82	10	LC-056014	1, 2
83	10	LC-056014	1, 2
84	10	LC-056014	1, 2
85	10	LC-056014	1, 2
86	10	LC-056014	1, 2
87	10	LC-056014	1, 2
88	10	LC-056014	1, 2
89	10	LC-056014	1, 2
90	10	LC-056014	1, 2
91	10	LC-056014	1, 2
92	10	LC-056014	1, 2
93	10	LC-056014	1, 2
94	10</		