

WAX-227

DEC 14 1965

**NEWMONT OIL COMPANY**

ROOM 303, FIRST NATIONAL BANK BUILDING  
ARTESIA, NEW MEXICO 88210

December 13, 1965

NEW MEXICO  
DISTRICT OFFICE

*1.00 year of oil  
for St. George.*

Mr. A. L. Porter, Jr.  
Secretary-Director  
State of New Mexico  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

Dear Mr. Porter:

Newmont Oil Company hereby requests administrative approval to convert the following wells in the West Loco Hills Grayburg No. 4 Sand Unit (established by Order No. R-2166) Waterflood to water injection.

<u>TRACT</u>	<u>WELL NO.</u>	<u>UNIT LETTER</u>	<u>S-T-R</u>	<u>ZONE or STAGE</u>
15	2	C	1-18-29	Buffer
27	2	L	1-18-29	Buffer
11	8	L	11-18-29	II
41	1	L	2-18-29	II
17A	1	B	10-18-29	III
17A	5	H	10-18-29	III
10A	2	N	3-18-29	IV
10A	5	E	3-18-29	IV
42	1	N	10-18-29	IV
12	2	I	9-18-29	V

These conversions are within the Buffer Zone Area or Stage Areas as indicated above, which are provided for by Order 2178 (Case 2473) dated 1-30-62 or Order R-2178-B (Case 2578) dated 6-14-62 which subsequently was amended by Order R-2178-C (Case 2805) dated 6-11-63. Location of these wells is indicated on the plat included as Attachment No. 1.

By attachment hereto is pertinent data shown on diagrammatic sketches in compliance with requirement as set forth by the referenced orders.

It is planned to inject water purchased from the Yucca Water Company in each of these wells at an estimated average daily rate of 500 BPD. This is fresh water produced from the Lea County Water Basin. The casing will be pressure tested to 300 psig above maximum surface pressure anticipated at 1200 psig and inject through a tubing and packer as indicated to be necessary from such test.

Mr. A. L. Porter, Jr.  
December 13, 1965

A copy of this application with attachments has been sent to the State Engineer and all offset operators affected. Newmont Oil Company as one of the offset operators offers no objection to these conversions and hereby waives the 15 day waiting period.

Yours truly,

NEWMONT OIL COMPANY



Herman J. Ledbetter  
Division Superintendent

HJL/saf  
Attachments

Carbon copy: Mr. Frank E. Irby  
Chief Water Rights Division  
State Engineer  
Santa Fe, New Mexico

WEST LOCO HILLS UNIT  
TRACT 15 WELL NO. 2

330' FNL - 2310' FEL Sec. 1-T18S-R29E

Completed: 8-29-39  
Elevation: Unknown  
Brackish Wtr Zone: None Reported

Top of Salt: 500'

179' Calculated top of cement

8 1/4" casing @ 508' w/50 Sax

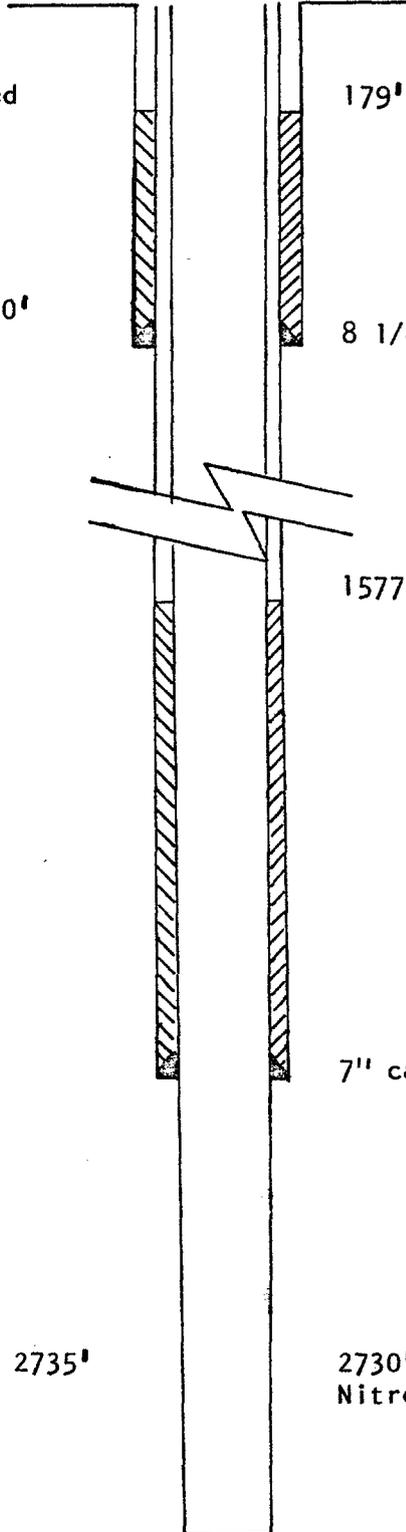
1577' Calculated top of cement

7" casing @ 2635' w/100 Sax

Top of Loco Hills: 2735'

2730' - 2754' shot with 70 Qts.  
Nitro Glycerin

TD 2754'



WEST LOCO HILLS UNIT  
TRACT 27 WELL NO. 2

2310' FSL 990' FWL Sec. 1-T18S-R29E

Completed: 11-25-63  
Elevation: 3516'  
Zero: GL  
Brackish Wtr Zone: None Reported

Top of Salt: 415'

Calculated top of cement @ 218'

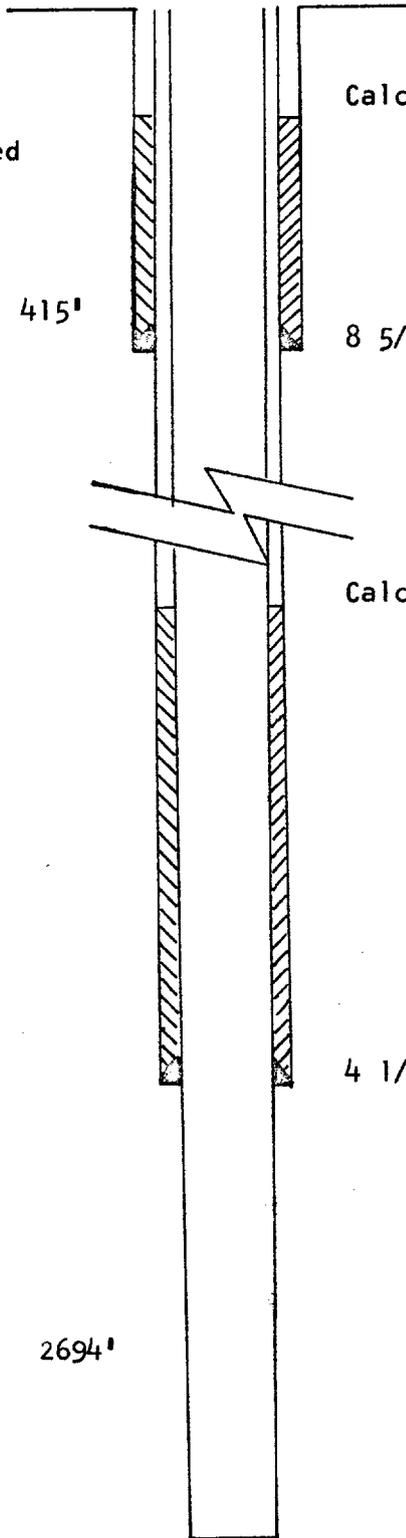
8 5/8" casing @ 450' w/50 sx

Calculated top of cement @ 2151'

4 1/2" casing @ 2669' w/100 sax

Top Loco Hills: 2694'

T.D. 2736'

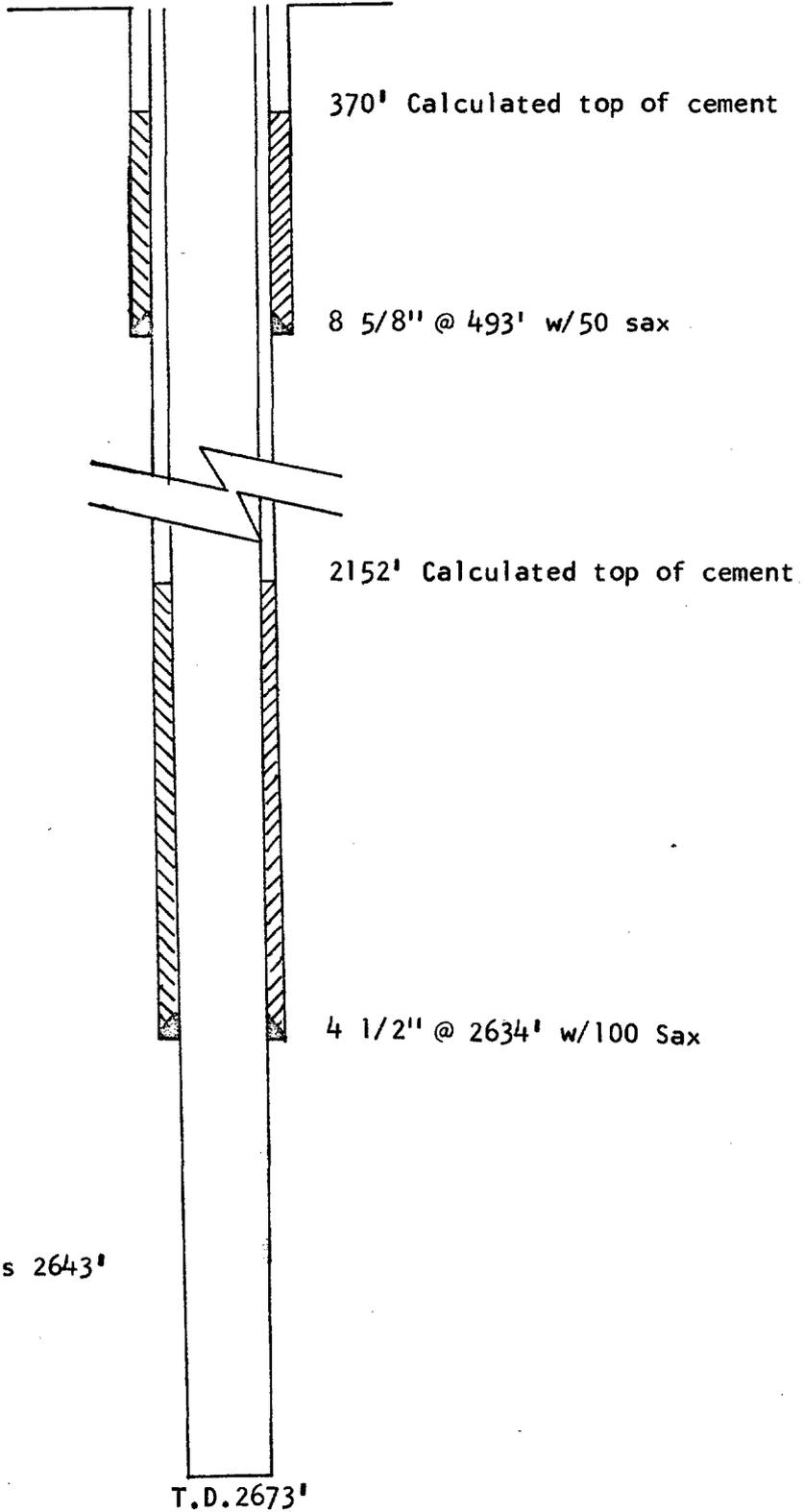


WEST LOCO HILLS UNIT  
TRACT 11B WELL NO. 8

1980' FSL 660' FWL Sec. 11-T18S-R29E

Completed: 3-13-64  
Elevation: 3509' G.L.  
Zero: GL  
Brackish Wtr Zone: Not reported

Top of Salt: 418'



Top Loco Hills 2643'

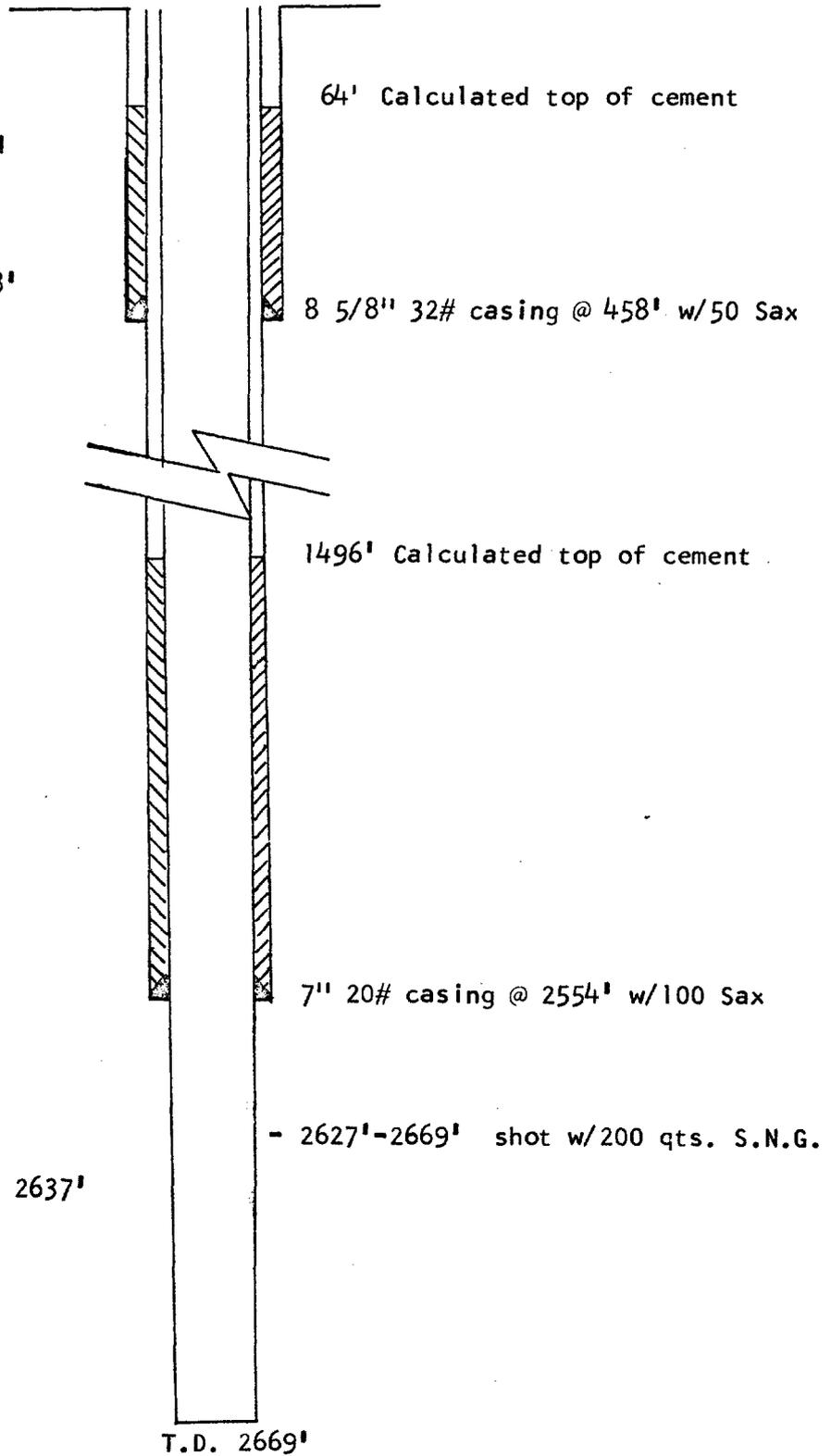
WEST LOCO HILLS UNIT  
TRACT 41 WELL NO. 1

2310' FNL 4950' FEL Sec. 2-T18S-R29E

Completed: 10-16-39  
Elevation: 3521'  
Zero: GL  
Brackish Wtr Zone: None Reported

Top of Salt: 448'

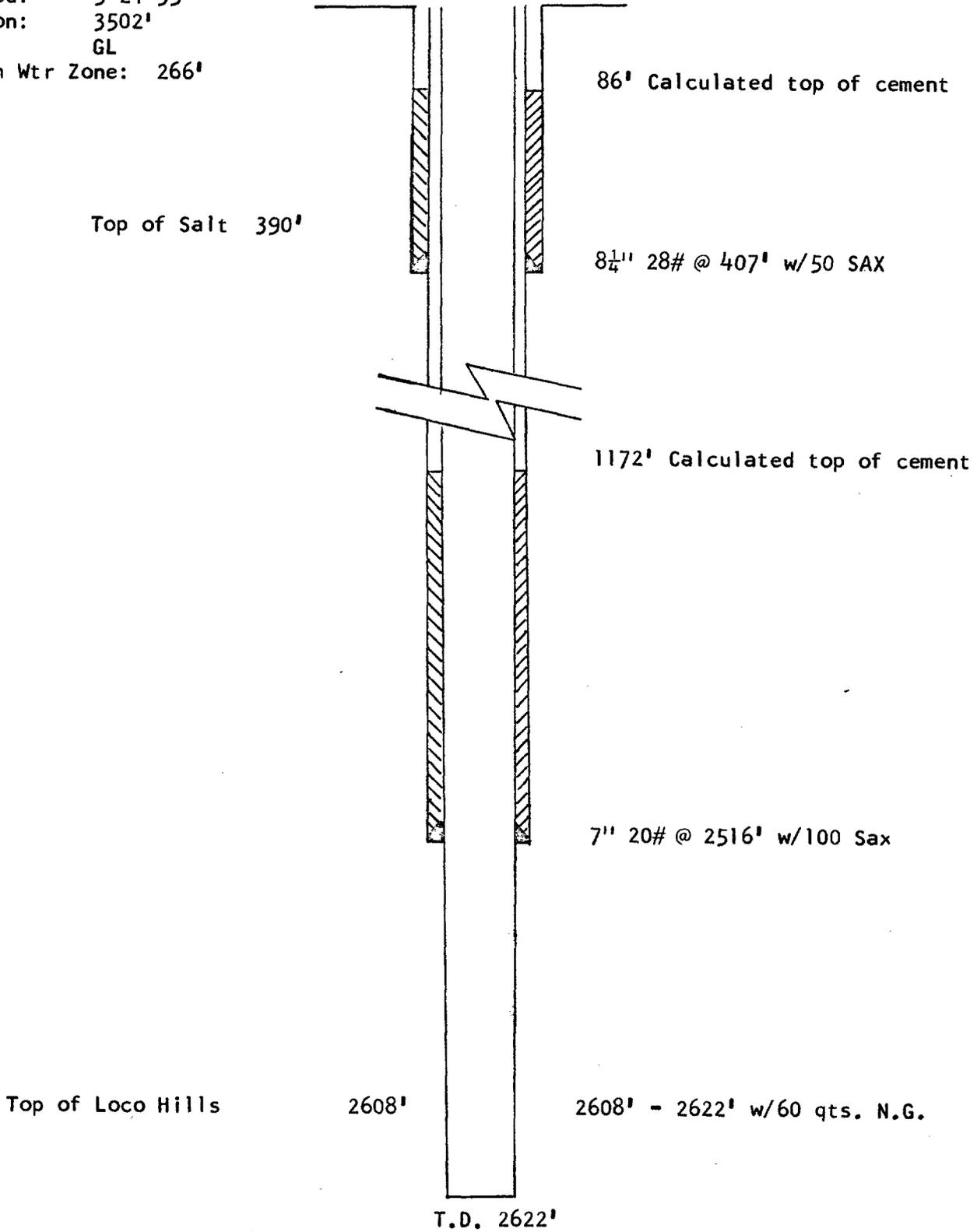
Top of Loco Hills: 2637'



WEST LOCO HILLS UNIT  
TRACT 17A WELL NO. 1

990' FNL - 2310' FEL Sec. 10-T18S-R29E

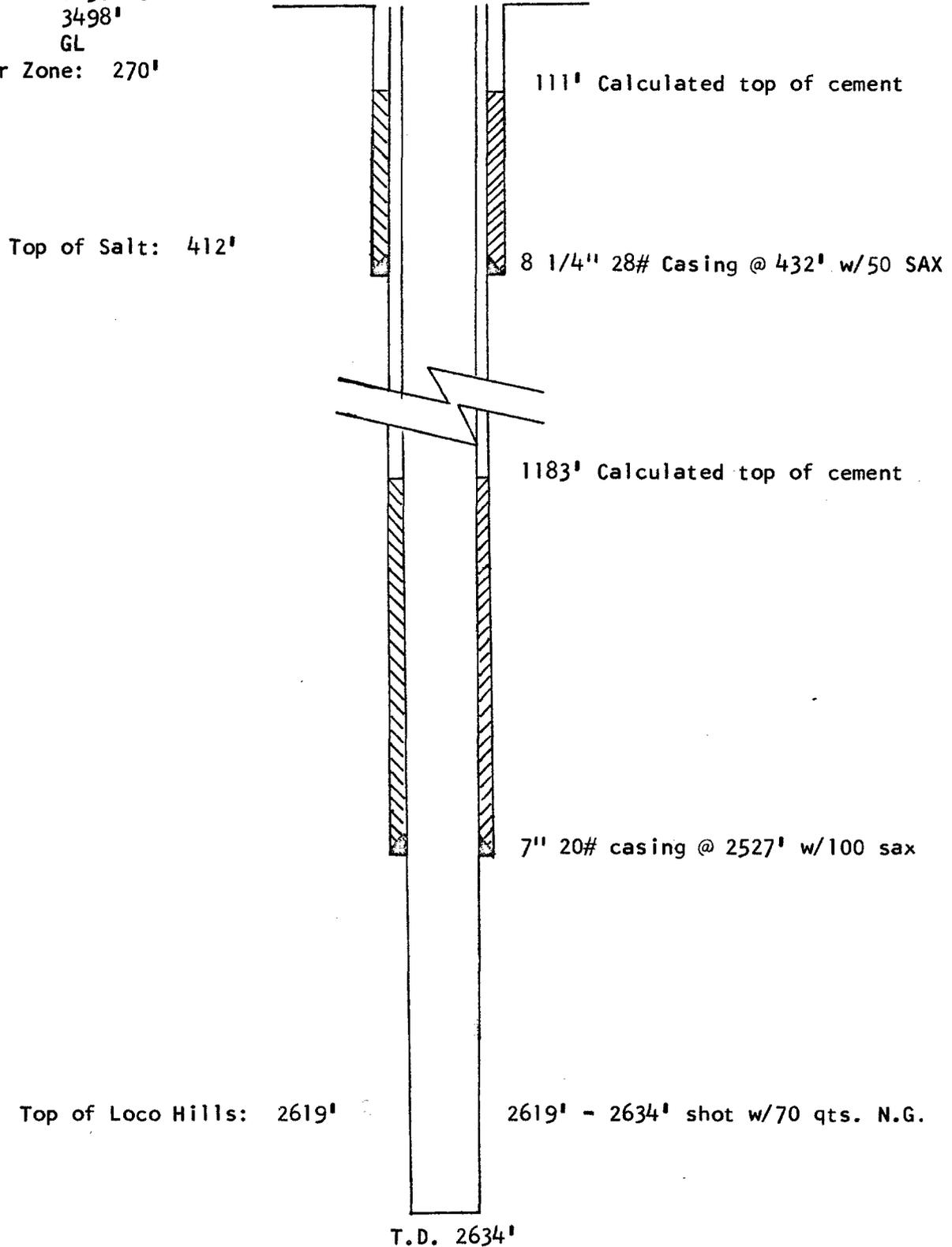
Completed: 9-24-39  
Elevation: 3502'  
Zero: GL  
Brackish Wtr Zone: 266'



WEST LOCO HILLS UNIT  
TRACT 17A WELL NO. 5

1650' FNL 990' FEL - Sec. 10-T18S-R29E

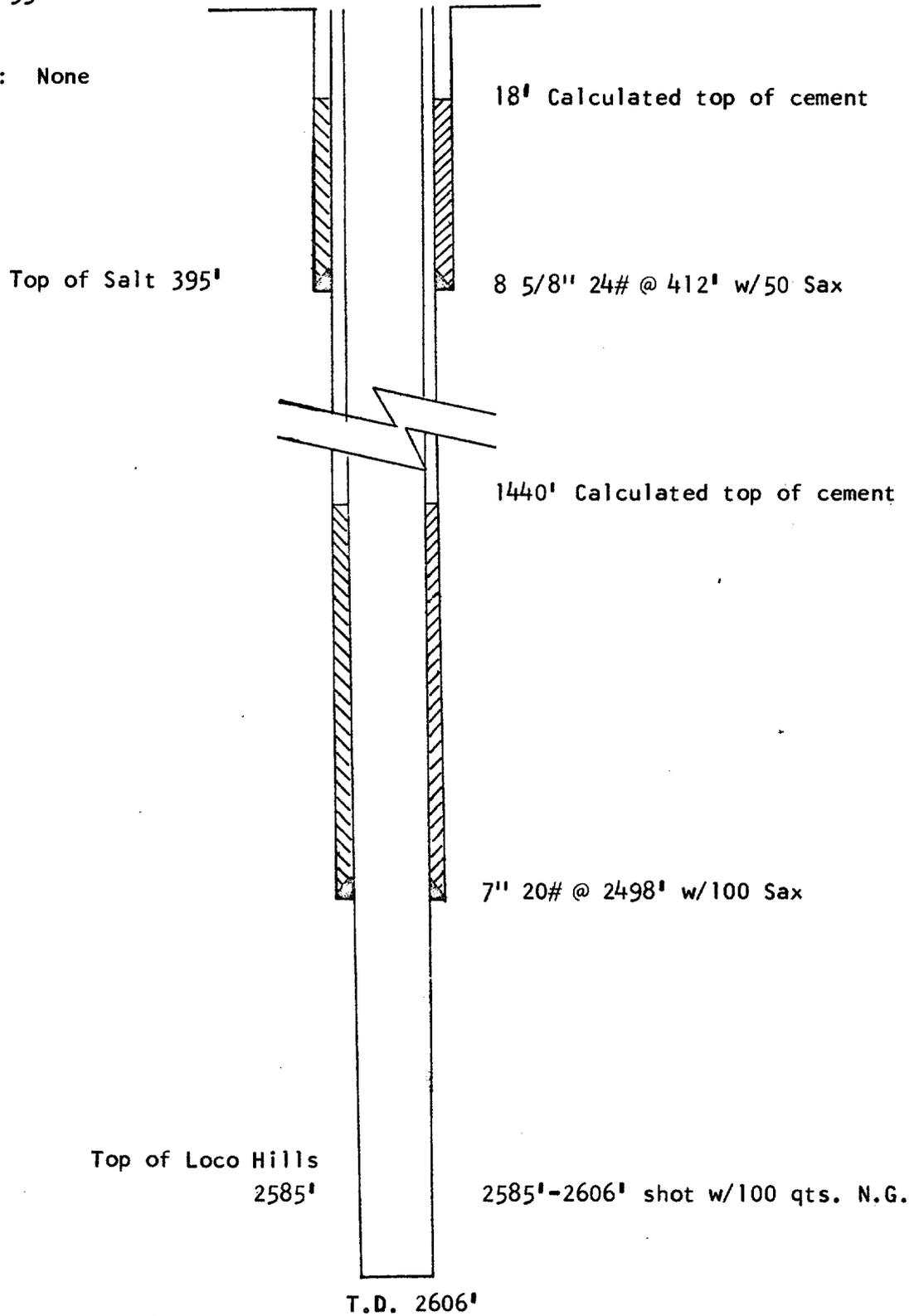
Completed: 1-30-40  
Elevation: 3498'  
Zero: GL  
Brackish Wtr Zone: 270'



WEST LOCO HILLS UNIT  
TRACT 10A Well No. 2

330' FSL 1650' FWL Sec. 3-T18S-R29E

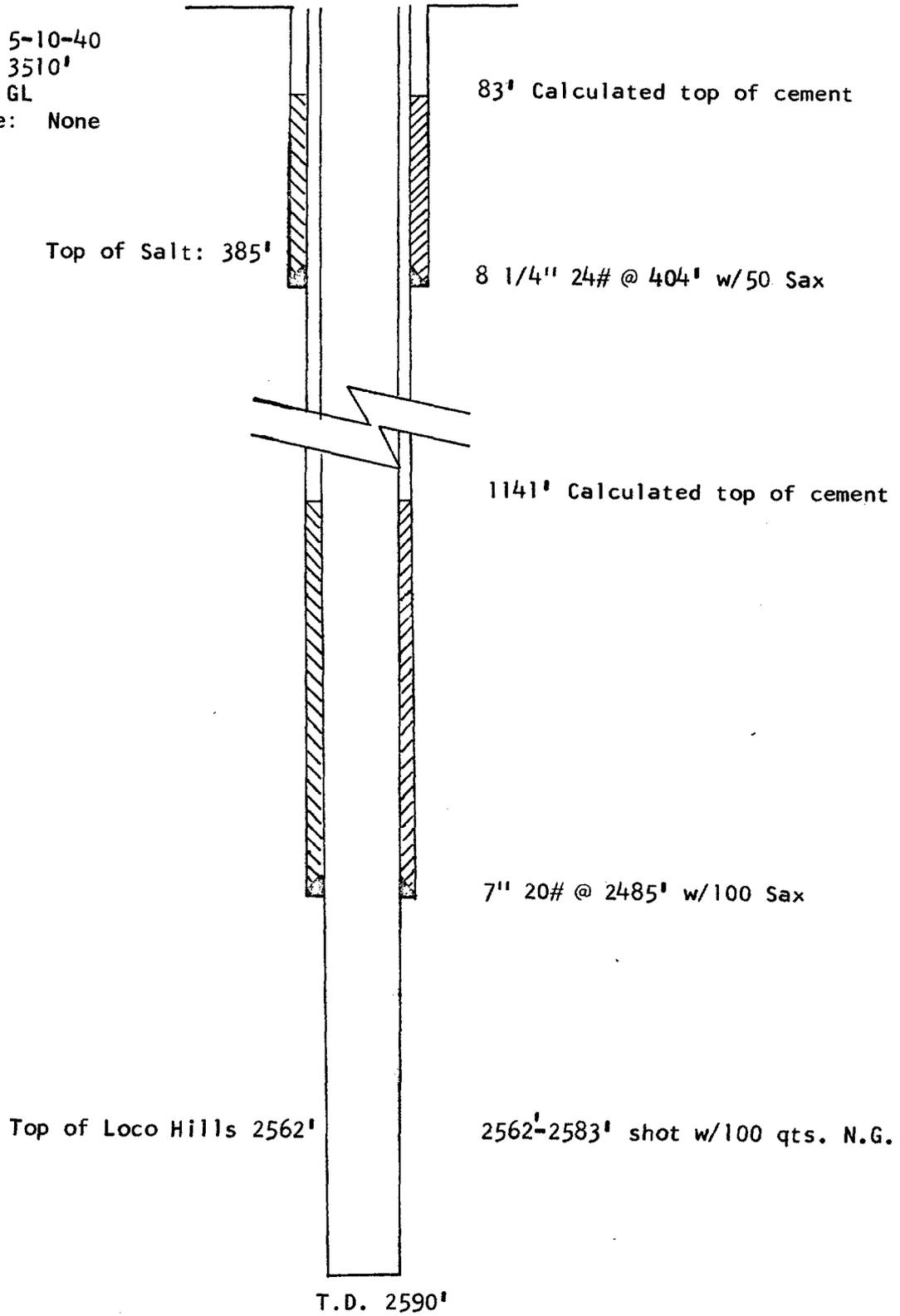
Completed: 11-14-39  
Elevation: 3512'  
Zero: GL  
Brackish Wtr Zone: None



WEST LOCO HILLS UNIT  
TRACT 10A WELL NO. 5

2310' FNL - 990' FWL Sec. 3-T18S-R29E

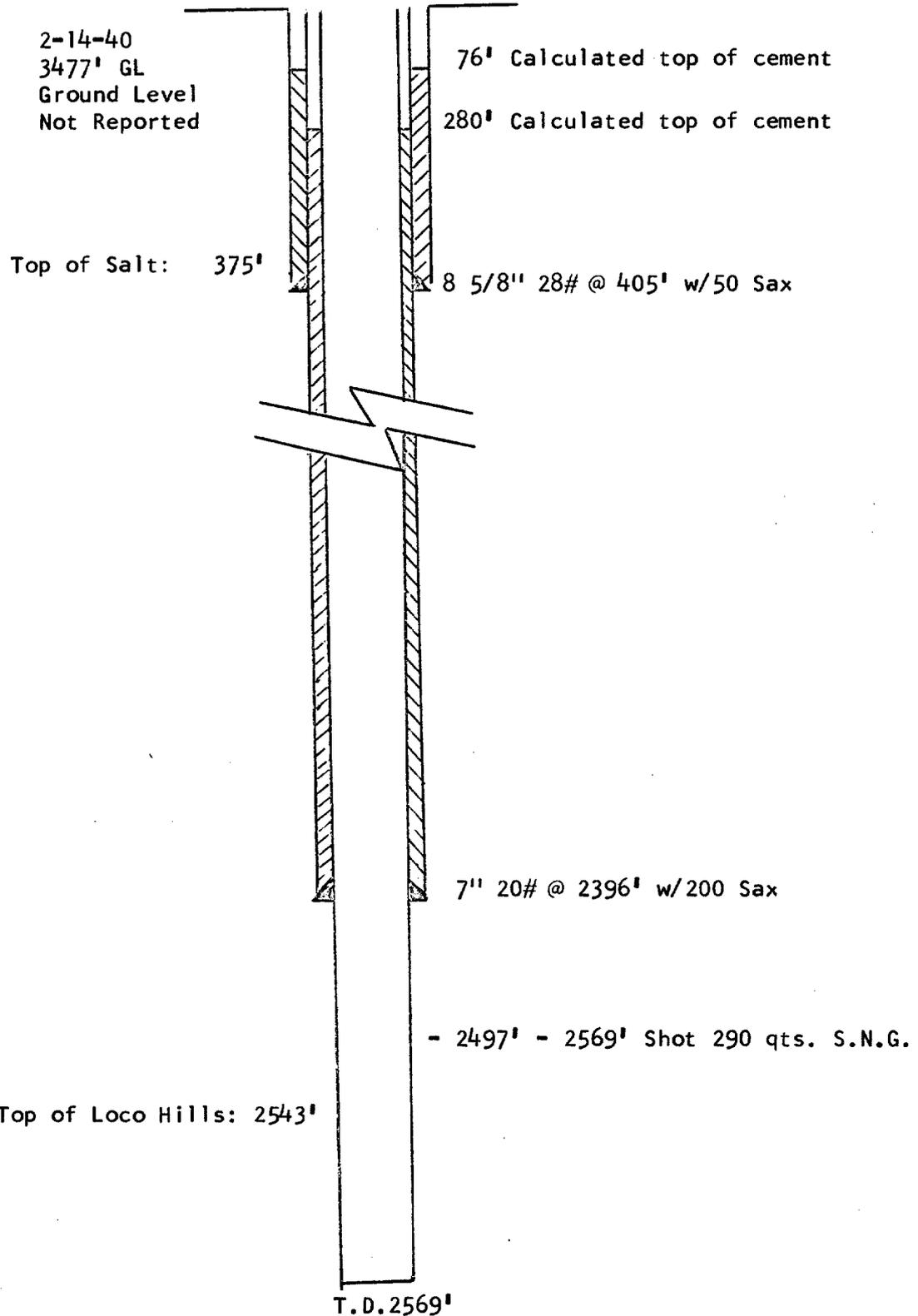
Completed: 5-10-40  
Elevation: 3510'  
Zero: GL  
Brackish Water Zone: None



WEST LOCO HILLS UNIT  
TRACT 42 WELL NO. 1

990' FSL 1650' FWL Sec. 10-T18S-R29E

Completed: 2-14-40  
Elevation: 3477' GL  
Zero: Ground Level  
Brackish Wtr Zone: Not Reported

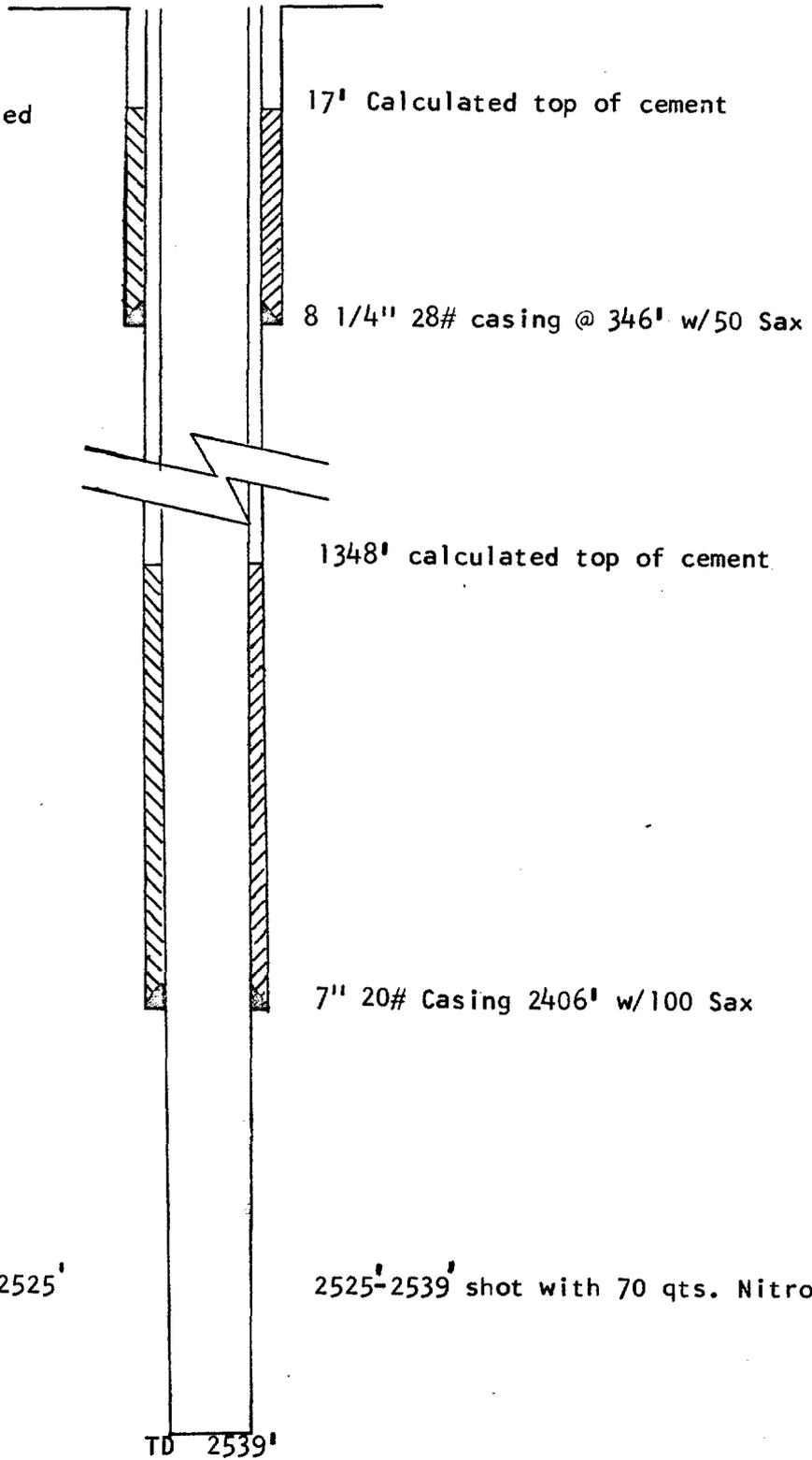


WEST LOCO HILLS UNIT  
TRACT 12 WELL No. 2

2970' FNL - 330' FEL Sec. 9-T18S-R29E

Completed: 2-28-40  
Elevation: 3493'  
Zero: GL  
Brackish Wtr. Zone: None Reported

Top of salt: 340'



Top of Loco Hills: 2525'

2525'-2539' shot with 70 qts. Nitro Glycerin



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

December 22, 1965

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, NEW MEXICO 87501

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 requesting administrative approval to convert 10 wells in their West Loco Hills Grayburg No. 4 Sand Unit to water injection. Your Order No. R-2166 authorized the original project.

This office offers no objection to the granting of this application provided the casing is successfully tested at 1500 psi and further provided that the maximum surface injection pressure does not exceed 1200 psi.

There is one slight discrepancy noted in the application, i.e., the well shown in the application in tract 11 as No. 8 is shown on the plat as 11-8 and is shown on the schematic diagram as 11B-8. This point should be clarified by Newmont before action is taken on their application. I am going on the assumption that a typographical error has been made and that Newmont will satisfactorily explain this matter to both you and me.

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

Yours truly,

S. E. Reynolds  
State Engineer

By:   
Frank E. Irby, Chief,  
Water Rights Division

**NEWMONT OIL COMPANY**

ROOM 303, FIRST NATIONAL BANK BUILDING  
ARTESIA, NEW MEXICO 88210

December 27, 1965

**NEW MEXICO  
DISTRICT OFFICE**

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

Dear Mr. Porter:

This has reference to Mr. S. E. Reynolds' letter dated December 22, 1965 addressed to you regarding a Newmont Oil Company application to convert ten wells in the West Loco Hills Grayburg No. 4 Sand Unit to water injection.

Please be advised that the well referred to variously in the application and attachments as 11-8 and 11B-8 are one and the same well. This well should have properly been referred to as Well 11B-8.

We trust that the foregoing will clarify the discrepancy pointed out by Mr. Reynolds' letter.

Yours truly,

NEWMONT OIL COMPANY



Herman J. Ledbetter  
Division Superintendent

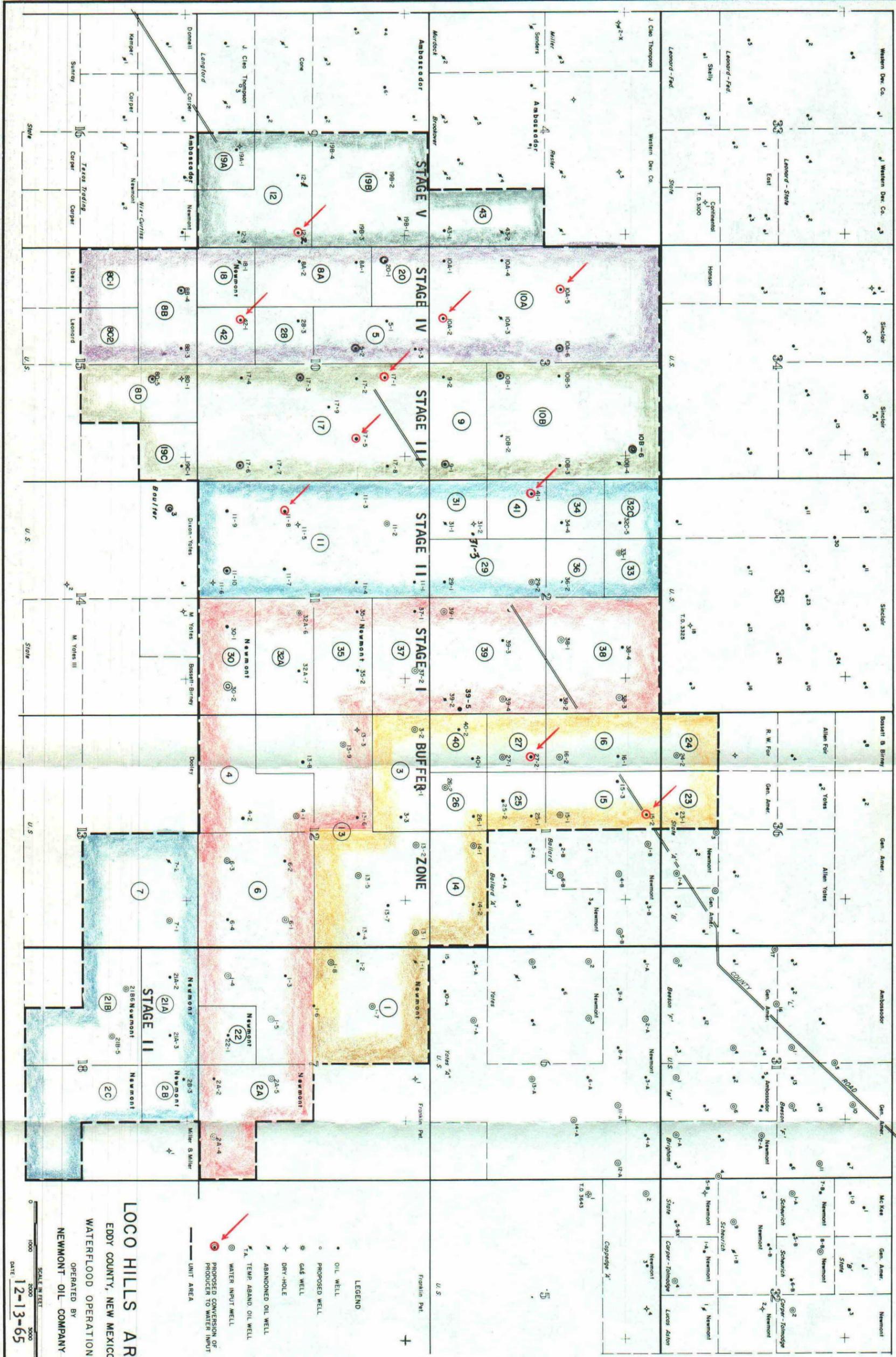
HJL/saf

CC: Mr. S. E. Reynolds  
State Engineer  
Attention: Frank E. Irby

R 29 E

R 30 E

T 17 S  
T 18 S



- LEGEND**
- OIL WELL
  - PROPOSED WELL
  - ⊛ G&W WELL
  - ⊙ DRY-HOLE
  - ⊚ ABANDONED OIL WELL
  - ⊛ T.A. TEMP. ABAND. OIL WELL
  - ⊙ WATER INPUT WELL
  - ⊛ PROPOSED CONVERSION OF PRODUCER TO WATER INPUT
  - UNIT AREA

**LOCO HILLS AREA**  
 EDDY COUNTY, NEW MEXICO  
 WATERFLOOD OPERATIONS  
 OPERATED BY  
**NEWMONT OIL COMPANY**

