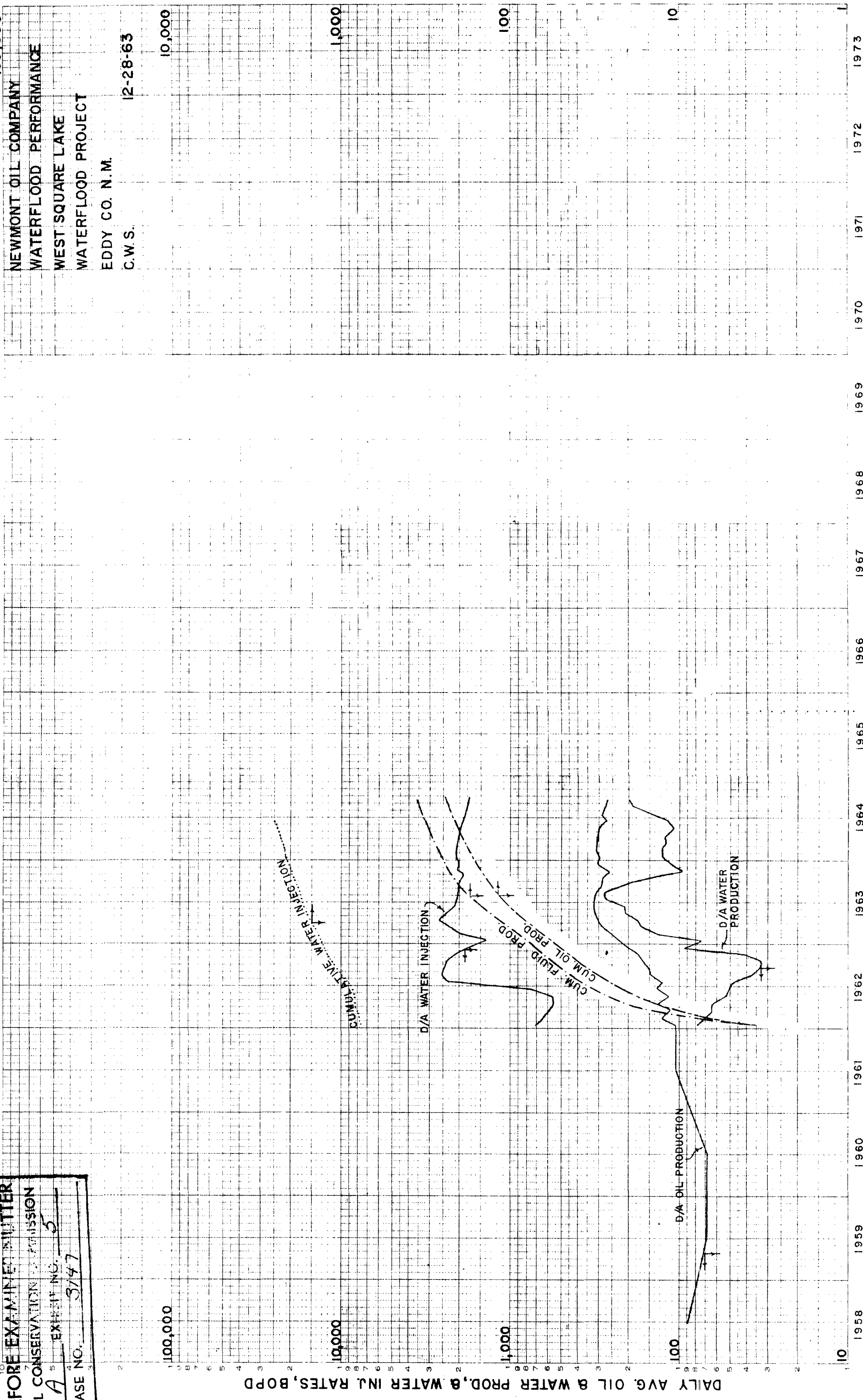


BEFORE EXAMINER'S OFFICE
OIL CONSERVATION COMMISSION
A 5 EXHIBIT NO. 5
CASE NO. 3747

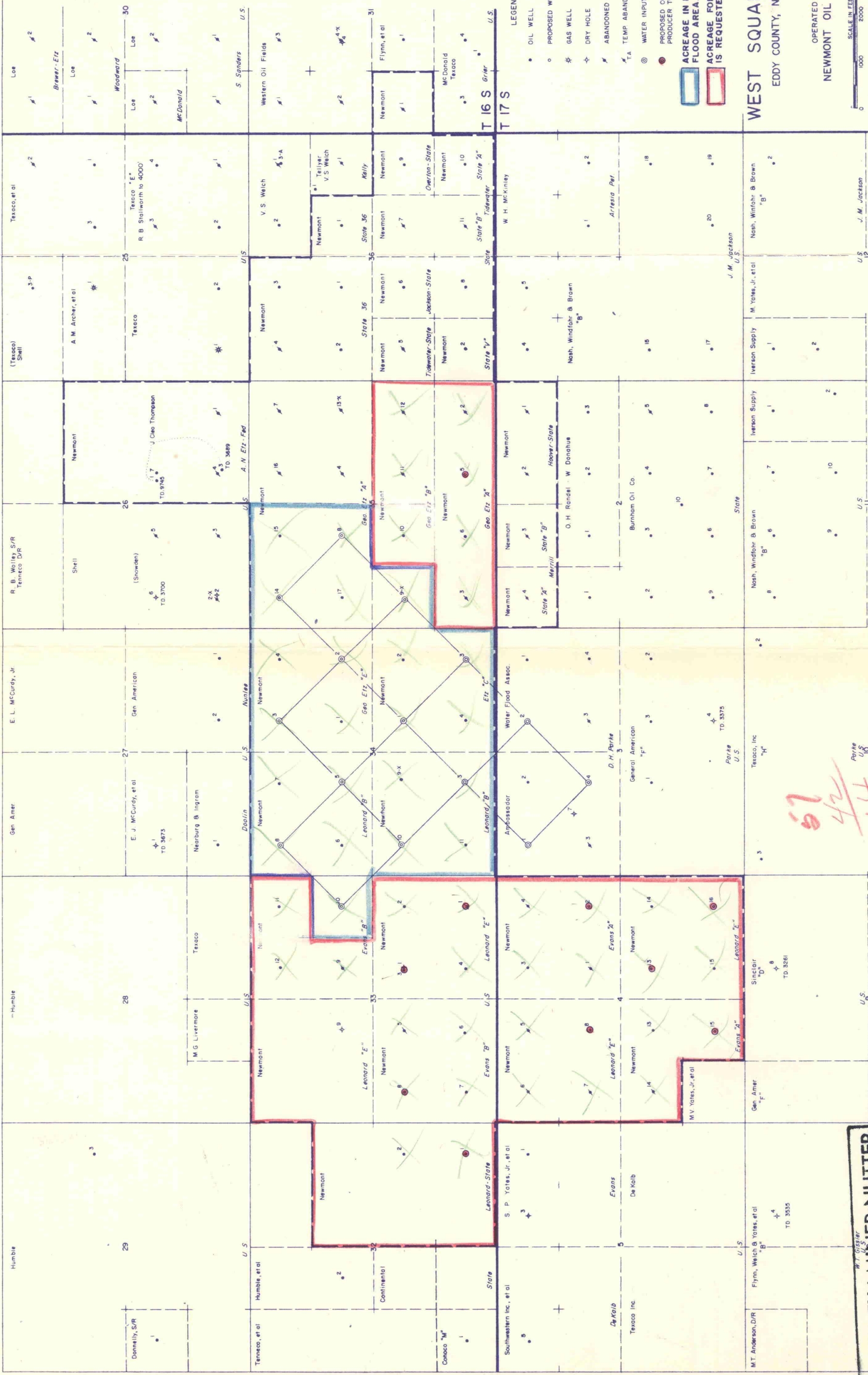
EXHIBIT 5



CUMULATIVE OIL & FLUID PROD. & CUMULATIVE WATER INJECTED, M BBL.S.

R 30 E

R 31 E



BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 3147

67
42
114
228
2894

10-22-64

C.W.S./a.a.

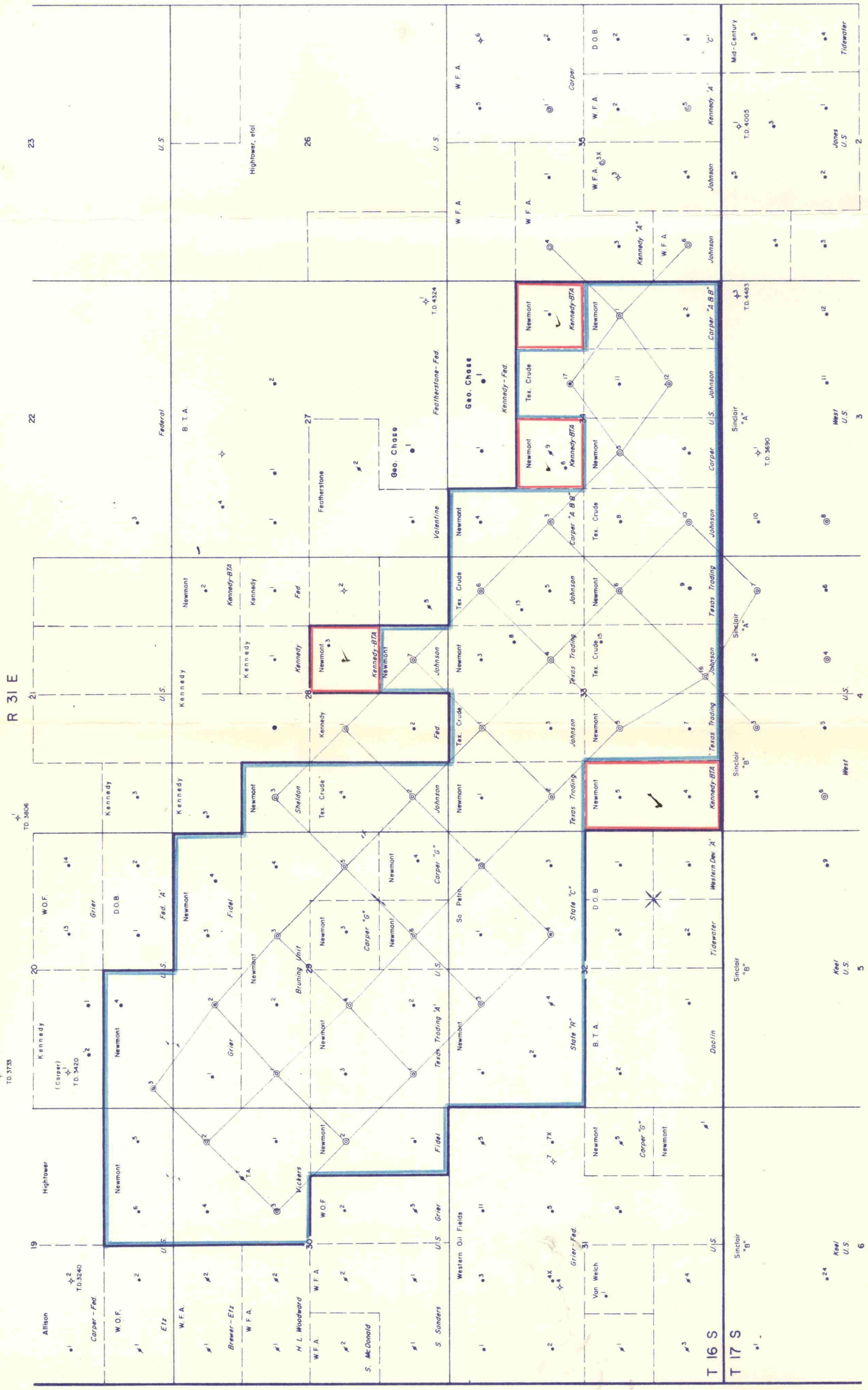
OPERATED BY
NEWMONT OIL COMPANY

WEST SQUARE LAKE
EDDY COUNTY, NEW MEXICO

ACREAGE IN PRESENT DEVELOPED
FLOOD AREA.
ACREAGE FOR WHICH EXPANSION
IS REQUESTED.

LEGEND
OIL WELL
PROPOSED WELL
GAS WELL
DRY HOLE
ABANDONED OIL WELL
TEMP. ABAND. OIL WELL
WATER INPUT WELL
PROPOSED CONVERSION OF
PRODUCER TO WATER INPUT

Exhibit 1



- LEGEND
- OIL WELL
 - ◊ PROPOSED WELL
 - * GAS WELL
 - ✦ DRY HOLE
 - ✧ ABANDONED OIL WELL
 - ✧ TEMP ABAND OIL WELL
 - ⊙ WATER INPUT WELL
 - ⊙ PROPOSED CONVERSION OF PRODUCER TO WATER INPUT
- ACREAGE IN PRESENT NEWMONT PROJECT AREA
- ACREAGE FOR WHICH BUFFER ZONE TREATMENT IS REQUESTED

EAST SQUARE LAKE

EDDY COUNTY, NEW MEXICO

OPERATED BY
NEWMONT OIL COMPANY

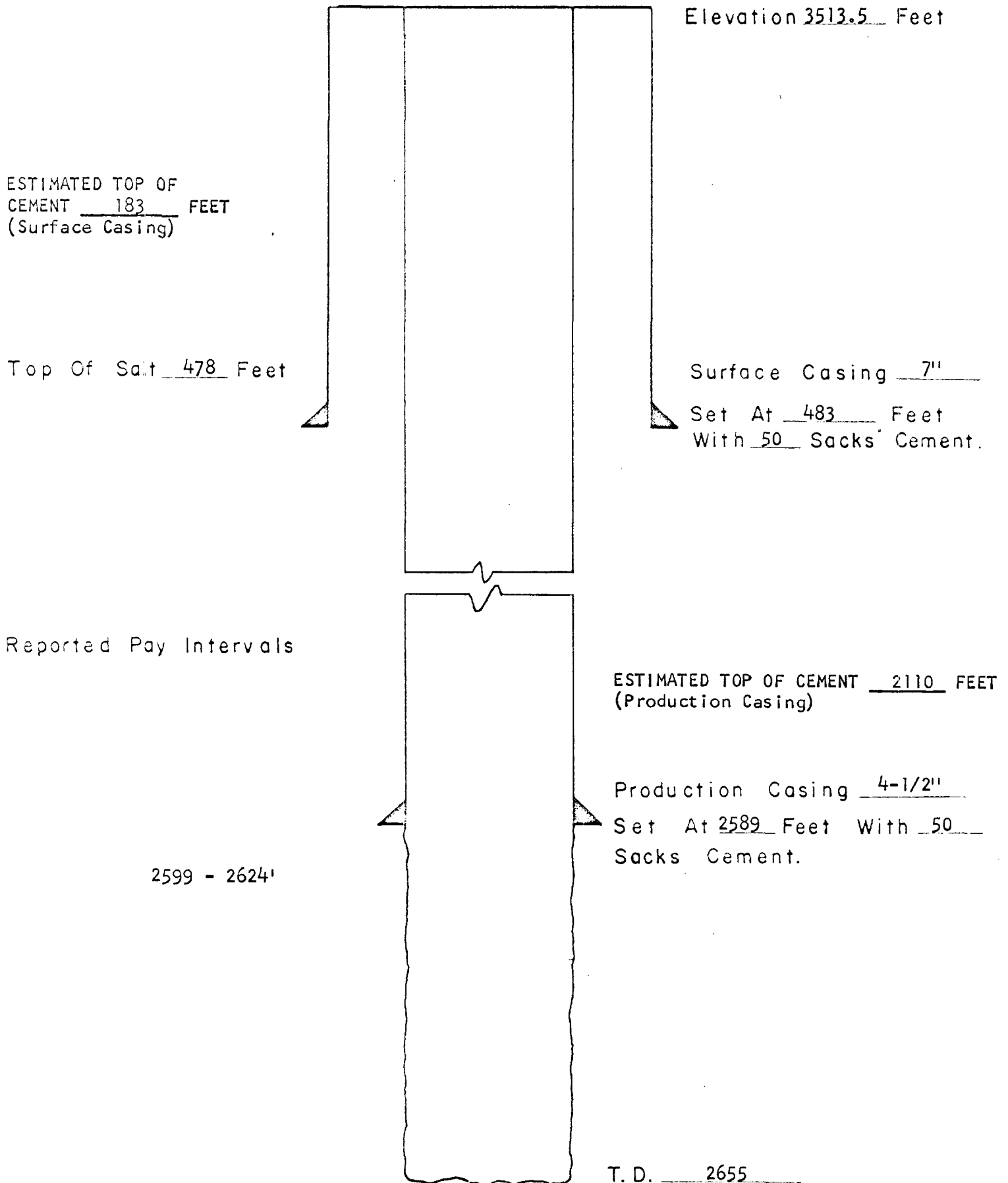
C.W.S. / a.a.

SCALE IN FEET
0 1000 2000 3000 4000

10-22-64

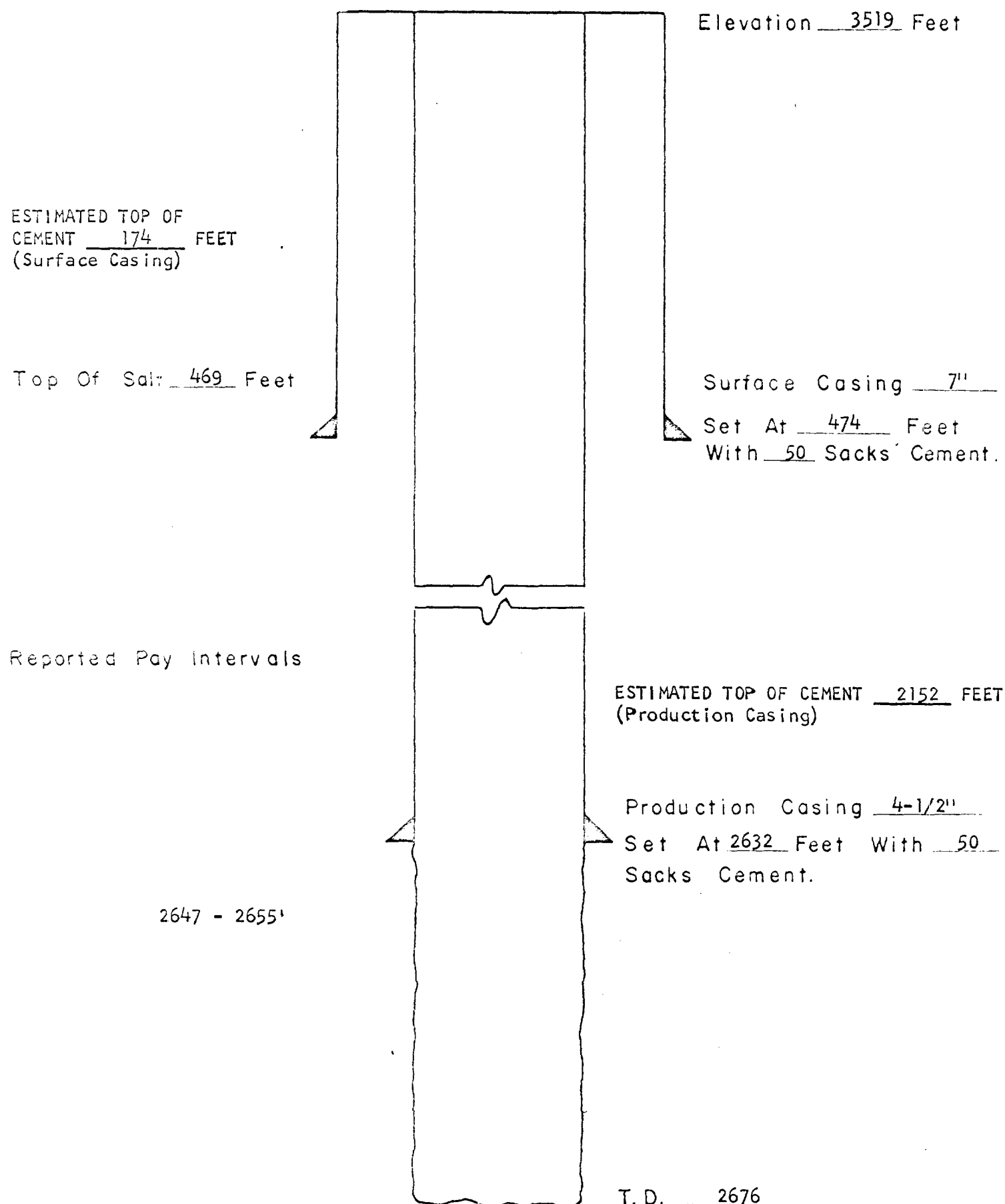
NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Loco Hills County Eddy Lease West Loco Hills Ut. Well No. 30-1
Location SW/4 SE/4, Sec. 11 T18S R29E Comp. Date 6-25-64



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Loco Hills County Eddy Lease West Loco Hills Ut. Well No. 30-2
Location SE/4 SE/4, Sec. 11 T18S R29E Comp. Date 7-14-64



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

A EXHIBIT NO. 3

CASE NO. 3147

WELL RECORD SUMMARY OF PROPOSED WATER INJECTION WELLS
NEWMONT OIL COMPANY'S WEST SQUARE LAKE WATERFLOOD PROJECT
SQUARE LAKE FIELD, EDDY COUNTY, NEW MEXICO

LEASE	WELL NUMBER	LOCATION	ELEVATION	COMPLETION DATE	SURFACE CASING				TOP OF SALT
					SIZE	DEPTH	SACKS CEMENT USED	EST. TOP OF CEMENT	
LEONARD "E"	1*	SE/4 SE/4 SEC. 33 T16S R30E	3727'	3-28-42	8-5/8"	493'	50	181'	493'
LEONARD "E"	3	NW/4 SE/4 SEC. 33 T16S R30E	3724'	4-14-42	8-1/4"	574'	50	330'	574'
LEONARD "E"	8	SE/4 NW/4 SEC. 4 T17S R30E	3720'	11-4-42	8-5/8"	514'	50	270'	517'
LEONARD "E"	13	NW/4 SE/4 SEC. 4 T17S R30E	3715'	1-27-46	10-3/4"	501'.7"	50	260'	565'
LEONARD "E"	16	SE/4 SE/4 SEC. 4 T17S R30E	3704'	5-12-46	8-5/8"	490'	50	250'	465'
EVANS "A"	2	SE/4 NE/4 SEC. 4 T17S R30E	3715'	2-7-42	8-1/4"	505'	50	260'	495'
EVANS "A"	15	SE/4 SW/4 SEC. 4 T17S R30E	3740'	7-28-46	8-5/8"	585'	50	240'	475'
EVANS "B"	8	NW/4 SW/4 SEC. 33 T16S R30E	3729'	8-14-42	8-5/8"	840'	50	600'	644'
LEONARD STATE	1	SE/4 SE/4 SEC. 32 T16S R30E	3724'	6-7-42	10-3/4"	480'	50	240'	630'
GEORGE ETZ "A"	5	SW/4 SE/4 SEC. 35 T16S R30E	3752'	5-29-42	8-1/4"	591'	50	350'	561'

* NOTE: This well was plugged and abandoned on 12-19-50; 1767' of 5-1/2" casing was pulled.
The well will either be re-entered or the location will be re-drilled.

WELL RECORD SUMMARY OF - PAGE 2 -
PROPOSED WATER INJECTION WELLS
WEST SQUARE LAKE WATERFLOOD PROJECT

LEASE	WELL NUMBER	SIZE	DEPTH	PRODUCTION CASING		EST. TOP OF CEMENT	REPORTED PAY INTERVALS	TOTAL DEPTH
				SACKS CEMENT USED				
LEONARD "E"	1	5-1/2"	2816'	100		1767'	2902-07', 2941-50', 3063-3146'	3146'
LEONARD "E"	3	5-1/2"	2771'	100		1700'	2862-70', 2911-31'	3000'
LEONARD "E"	8	5-1/2"	2750'	100		1670'	2920-40'	2953'
LEONARD "E"	13	7"	2750'	100		2150'	2920-30', 3026-60'	3153'
LEONARD "E"	16	5-1/2"	2750'	100		1670'	2830-38', 2900-10', 3035-65'	3125'
EVANS "A"	2	5-1/2"	2750'	100		1670'	2825-37', 2925-41'	2966'
EVANS "A"	15	5-1/2"	2700'	100		1620'	2730-55', 2755-75', 2775-2825'	2825'
EVANS "B"	8	5-1/2"	2712'	100		1632'	2808-18', 2852-62'	2881'
LEONARD STATE	1	7" 5-1/2"	2162' 2650' (565')	50 40		1862' 2085'	2797-2802'	2883'
GEORGE ETZ "A"	5	5-1/2"	2896'	100		1826'	2973-77', 3010-21'	3051'

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Leonard "E" Well No. 1
Location SE/4 SE/4, Sec. 33 T16S R30E Comp. Date 3-28-42

10 Sack Cement Plug
Set at Surface

Elevation 3727 Feet

Top of 8-5/8" and Estimated
Top of Cement 181 Feet

Top Of Salt 493 Feet

10 Sack Cement Plug Set
At Top of Salt

Surface Casing 8-5/8"

Set At 493 Feet
With 50 Sacks Cement.

Reported Pay Intervals

Top of 5-1/2" and Estimated Top
of Cement 1767 Feet

Production Casing 5-1/2"
Set At 2816 Feet With 100
Sacks Cement.

2902 - 2907'

2941 - 2950'

3063 - 3146'

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
A EXHIBIT NO. 4
CASE NO. 3147

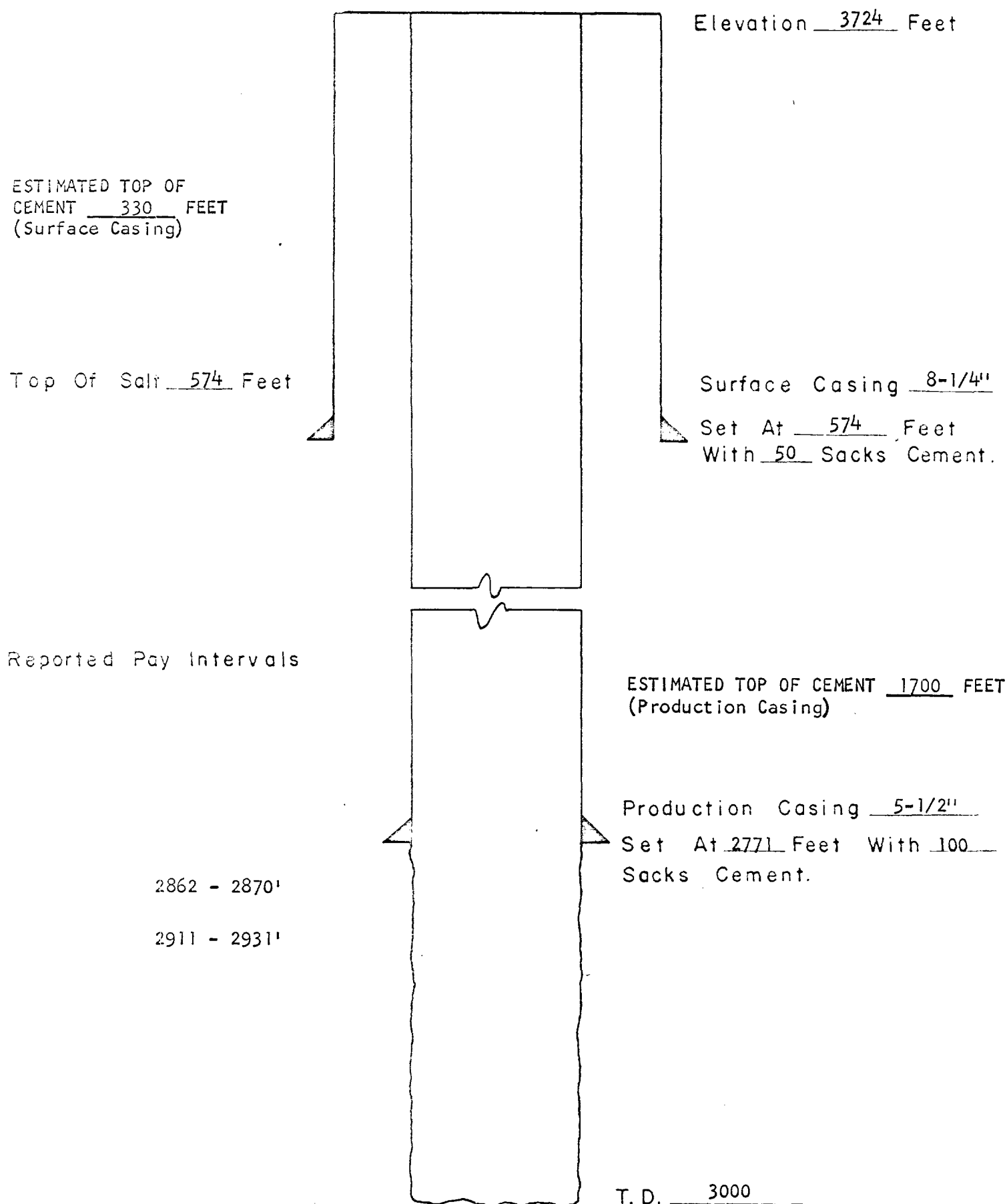
T. D. 3146

NOTE: This well was plugged and abandoned on December 19, 1950
by Texas Consolidated Oils.

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Leonard "E" Well No. 3

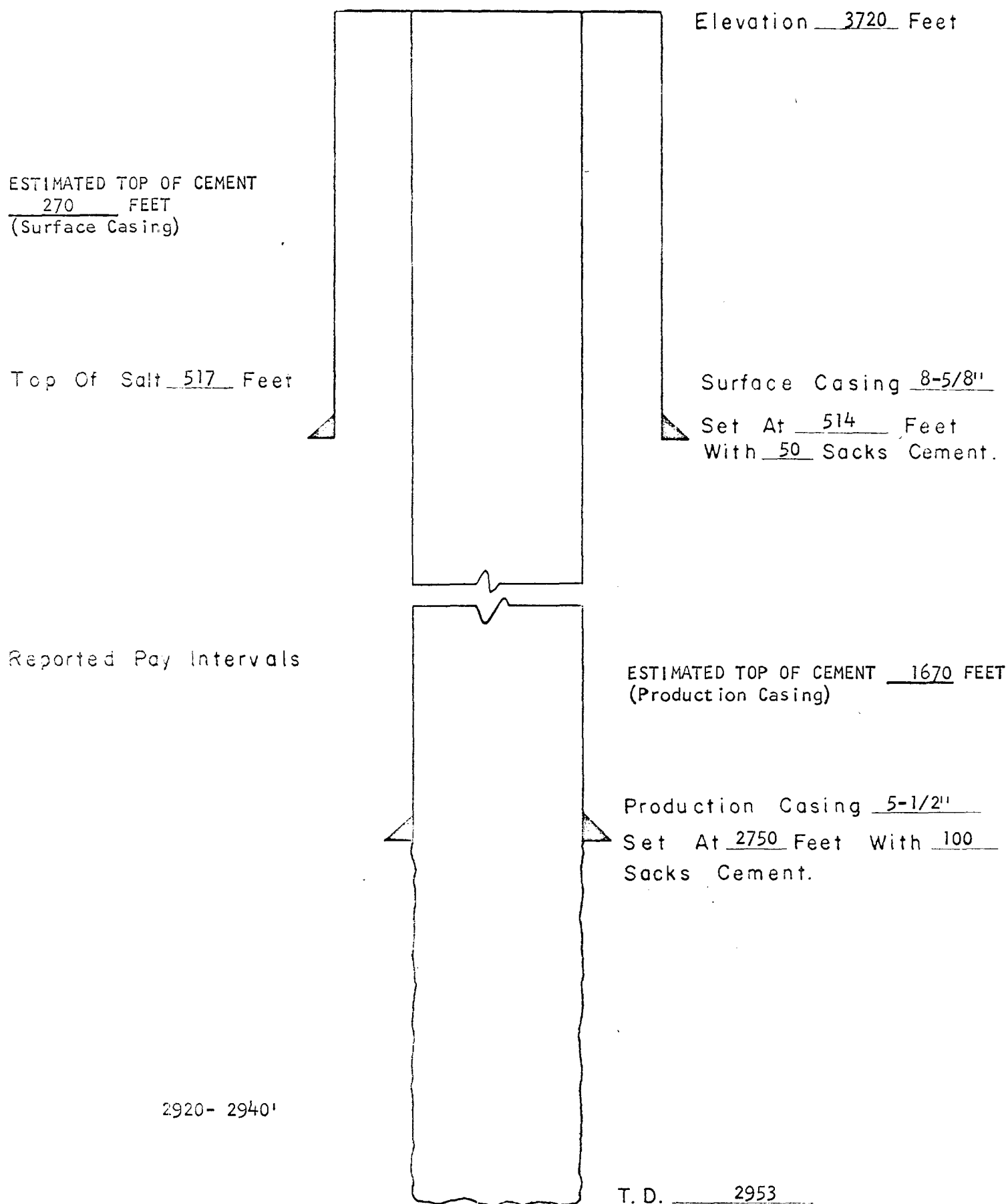
Location NW/4 SE/4, Sec. 33 T16S R30E Comp. Date 4-14-42



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL

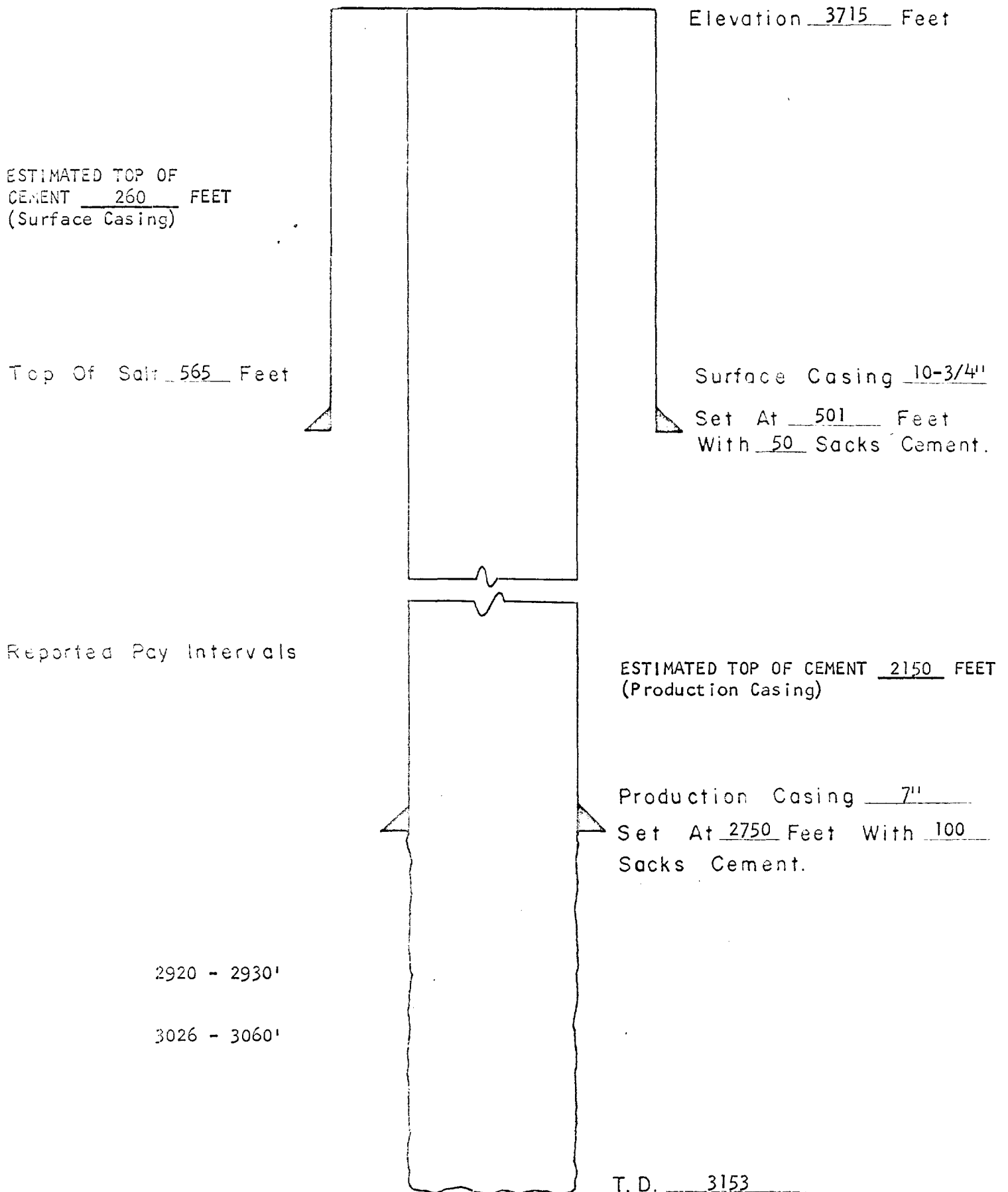
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Leonard "E" Well No. 8
Location SE/4 NW/4, Sec. 4 T17S R30E Comp. Date 11-4-42



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

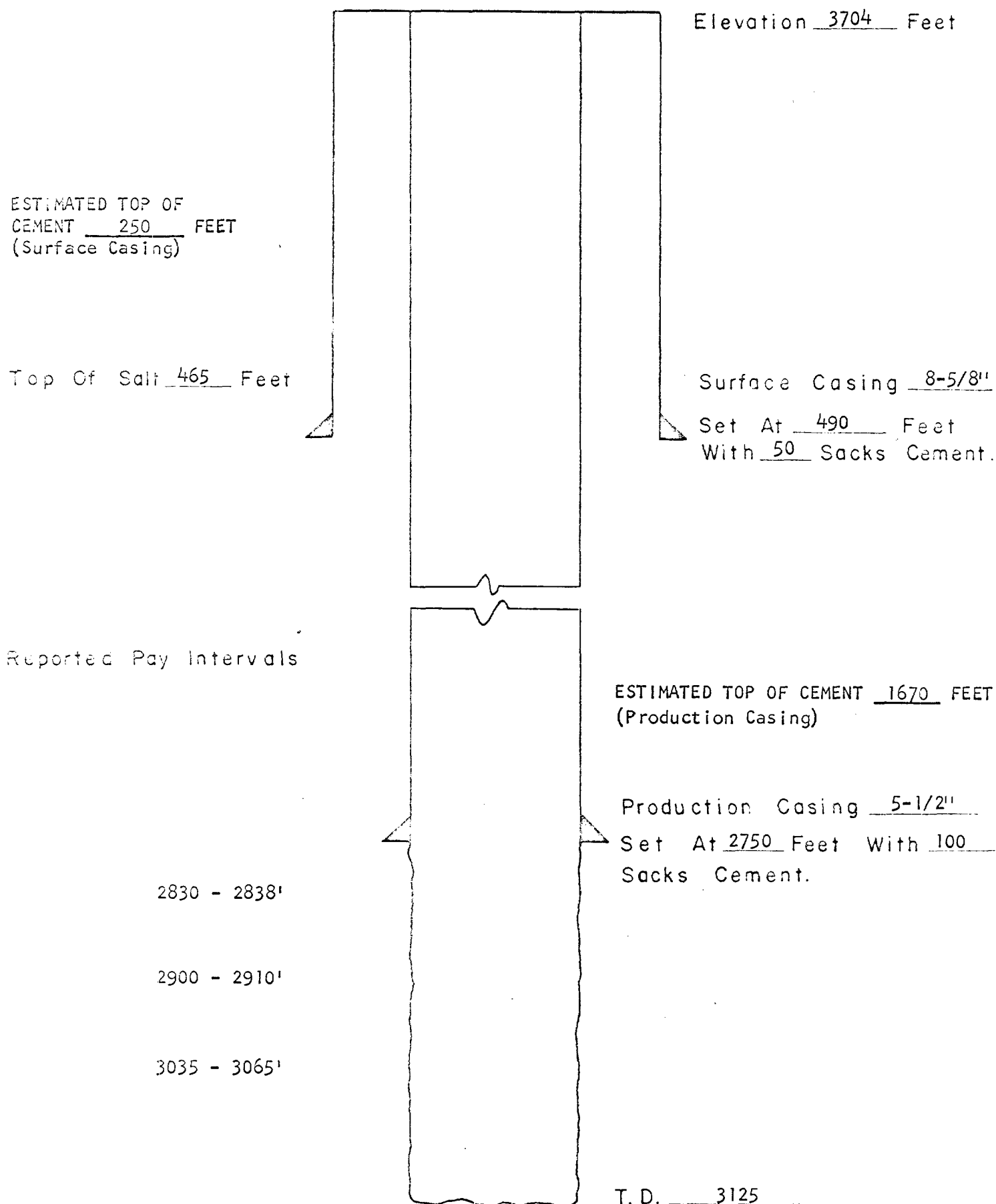
Field Square Lake County Eddy Lease Leonard "E" Well No. 13
Location NW/4 SE/4, Sec. 4 T17S R30E Comp. Date 1-27-46



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL

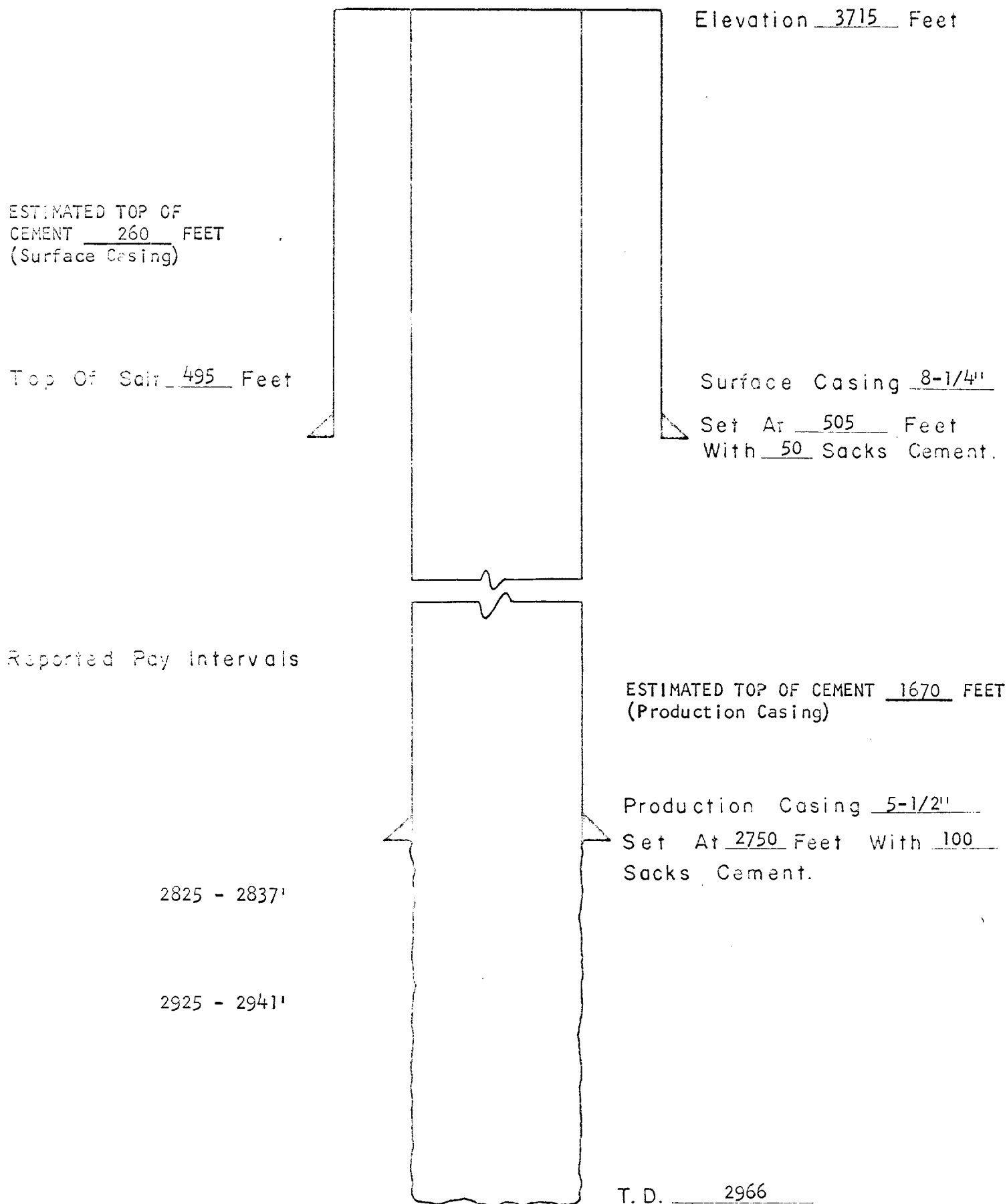
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Leonard "E" Well No. 16
Location SE/4 SE/4, Sec. 4 T17S R30E Comp. Date 5-12-46



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

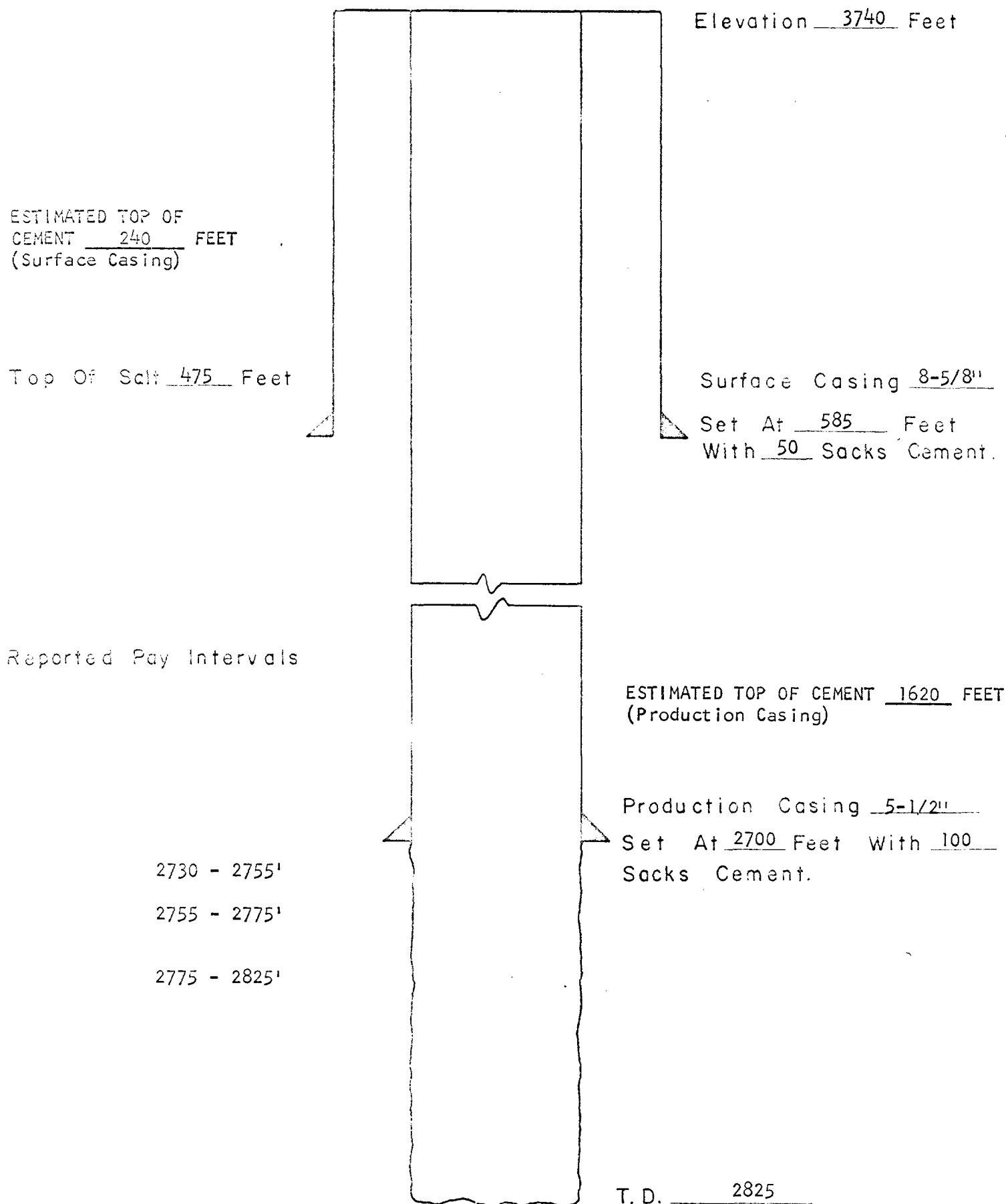
Field Square Lake County Eddy Lease Evans "A" Well No. 2
Location SE/4 NE/4, Sec. 4 T17S R30E Comp. Date 2-7-42



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL

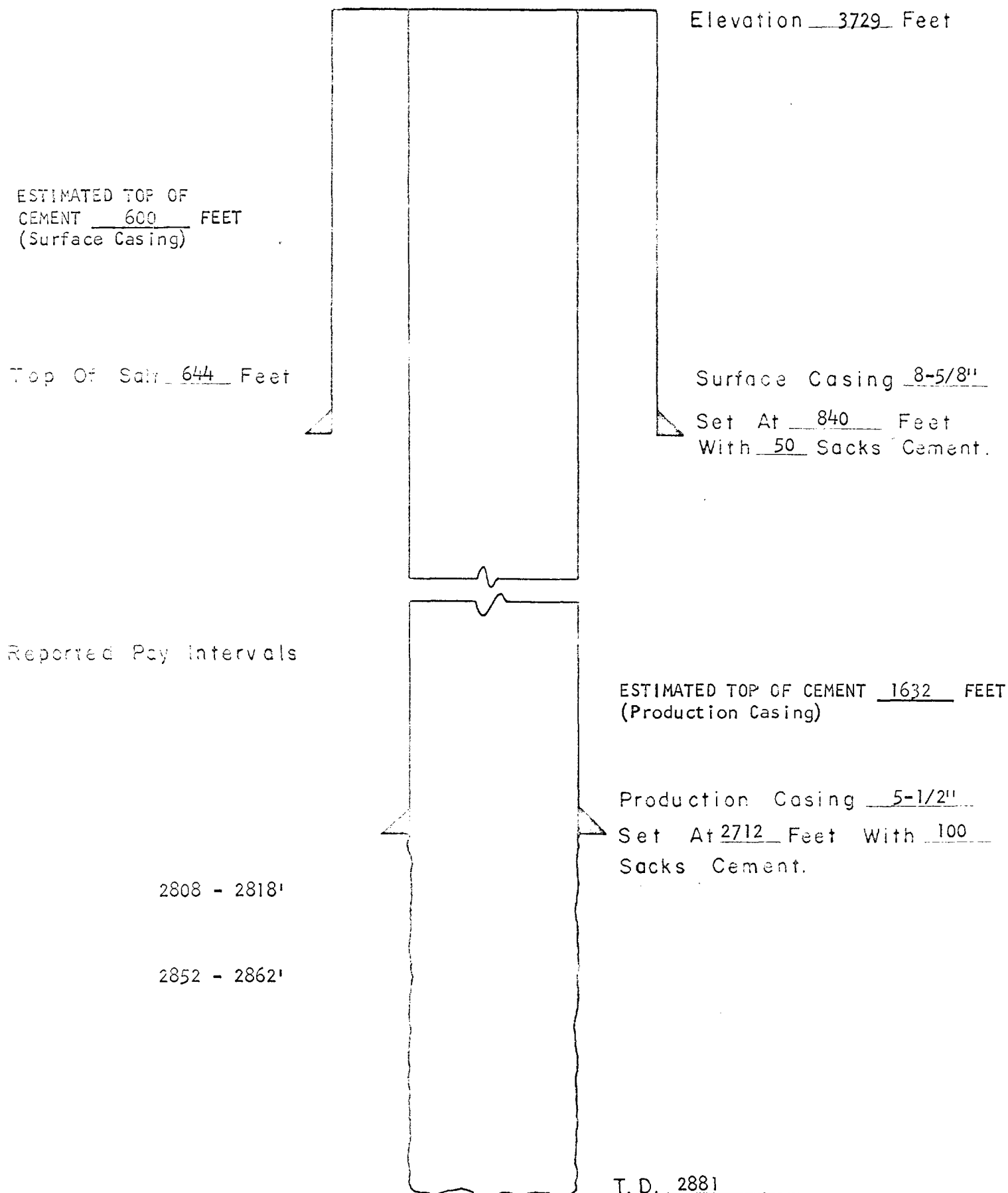
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Evans "A" Well No. 15
Location SE/4 SW/4, Sec. 4 T17S R30E Comp. Date 7-28-46



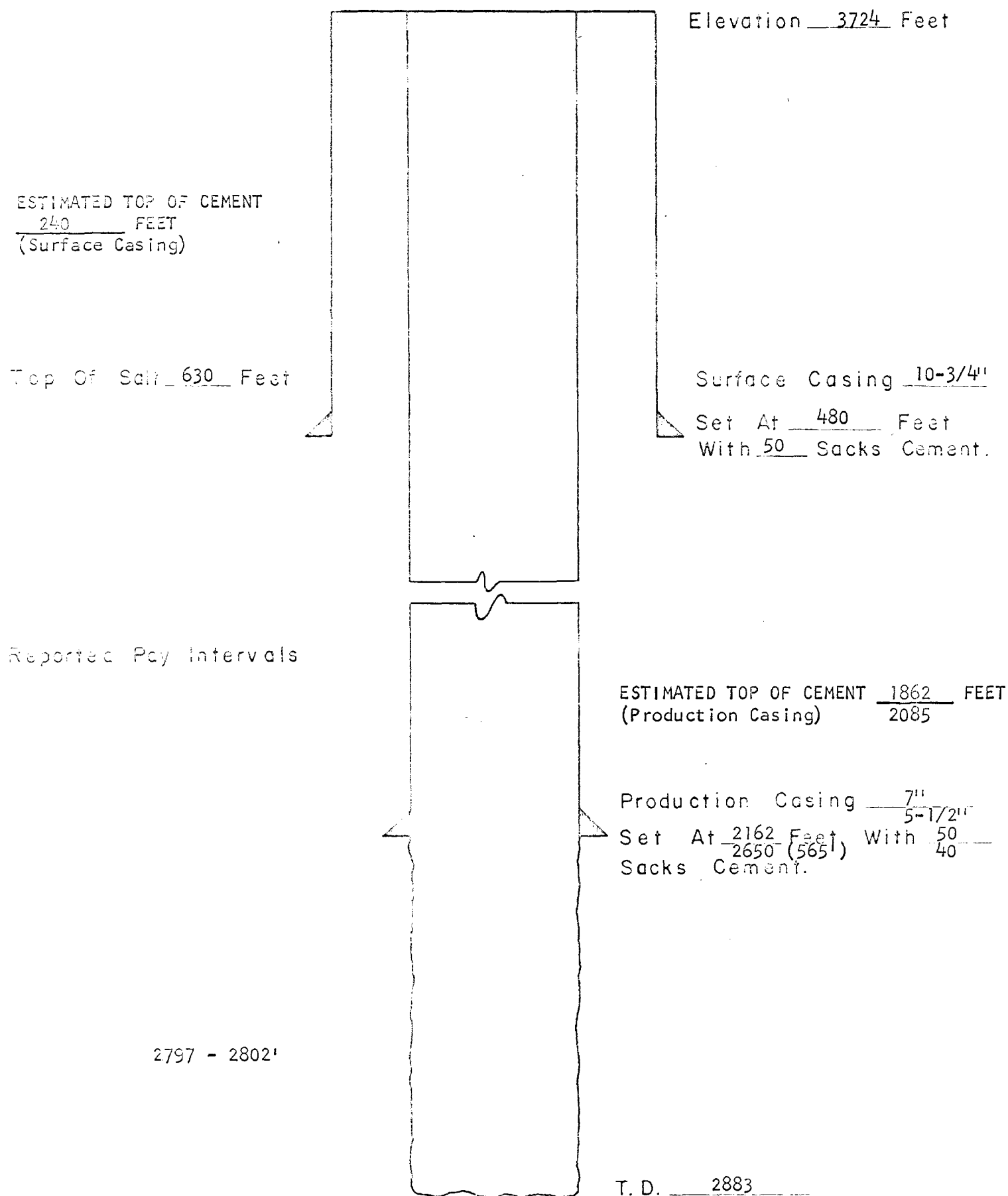
NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Evans "B" Well No. 8
Location NW/4 SW/4, Sec. 33 T16S R30E Comp. Date 8-14-42



NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

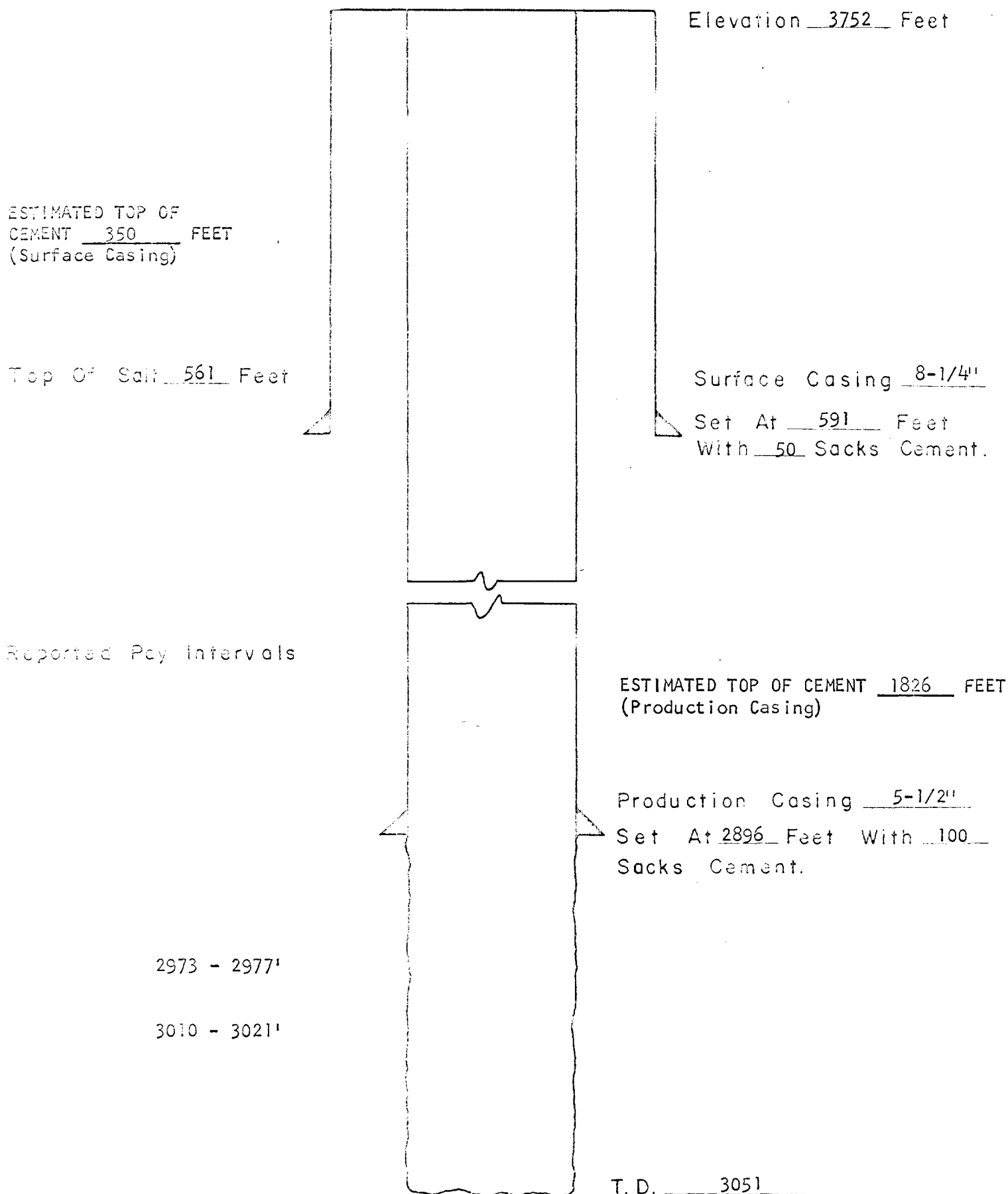
Field Square Lake County Eddy Lease Leonard State Well No. 1
Location SE/4 SE/4, Sec. 32 T16S R30E Comp. Date 6-7-42

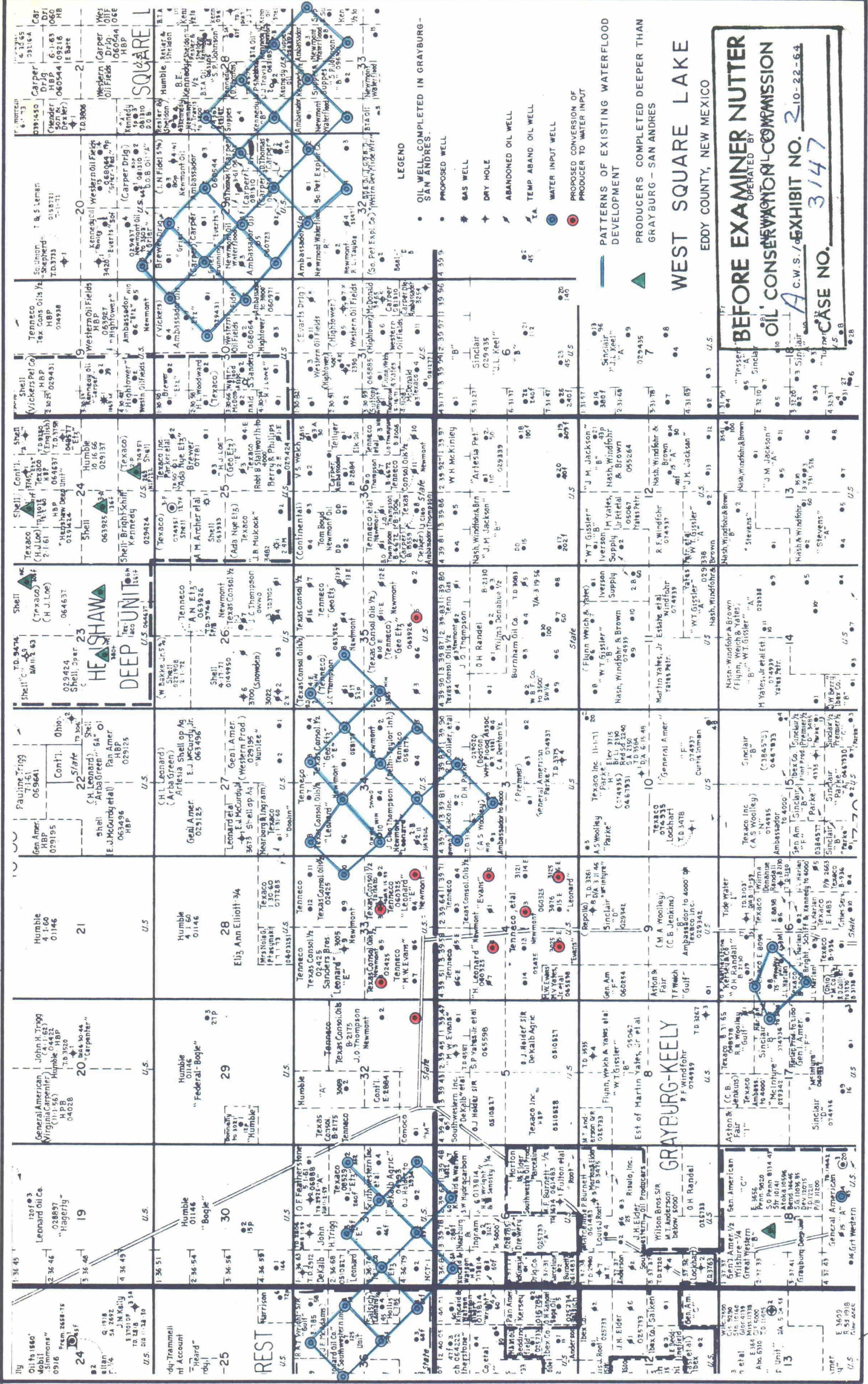


NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL

SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease George Etz "A" Well No. 5
Location SW/4 SE/4, Sec. 35 T16S R30E Comp. Date 5-29-42





BEFORE EXAMINER NUTTER
OPERATED BY
OIL CONSERVATION COMMISSION
C.W.S. - EXHIBIT NO. 2-10-22-64
CASE NO. 3147

PRESENT STATUS OF
WELLS TO BE CONVERTED

West Square Lake Waterflood Project
Eddy County, New Mexico

<u>WELL</u>	<u>DAILY AVG. PROD.,</u> <u>BBLS./DAY</u>
LEONARD "E" No. 1	Plugged & Abandoned
LEONARD "E" No. 3	1.0
LEONARD "E" No. 8	Temporarily Abandoned
LEONARD "E" No. 13	2.0
LEONARD "E" No. 16	3.0
EVANS "A" No. 2	Temporarily Abandoned
EVANS "A" No. 15	5.0
EVANS "B" No. 8	2.0
LEONARD STATE No. 1	1.0
GEORGE ETZ "A" No. 5	1.0

CWS:ajg
October 30, 1964

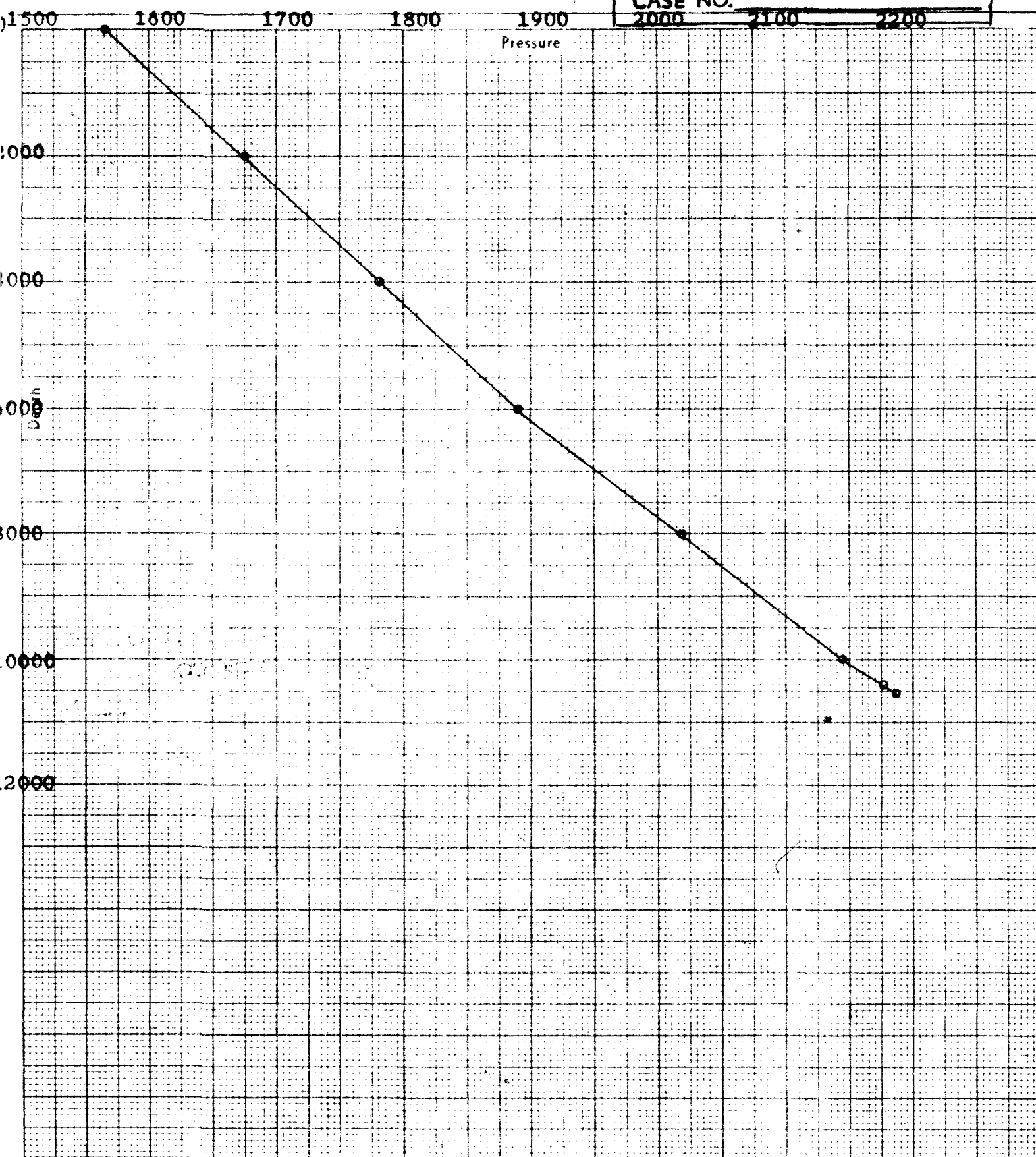
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
A EXHIBIT NO. 6
CASE NO. 3147

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR JAKE L. HAMON
LEASE STATE "E" 8321
WELL NO. 1
FIELD Strawn
DATE 11-6-64 TIME 2:30 P.M.
STATUS shut-in TEST DEPTH 10,440
TIME S I LAST TEST DATE initial
CAS. PRES. BHP LAST TEST
TUB. PRES. 1566 BHP CHANGE
ELEV. 3628 FLUID TOP
DATUM -6940 WATER TOP
TEMP RUN BY M.C.T.
CLOCK NO. 18971 GAUGE NO. 12434
ELEMENT NO. 16531-N

DEPTH	PRESSURE	GRADIENT
000	1566	
2000	1674	.054
4000	1781	.054
6000	1889	.054
8000	2019	.065
10000	2145	.063
10440	2177	.073
10568*	2186*	.073

* ~~Pressure Corrected To Datum~~
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 2000



COMPLETION DATA

TRACT 30, WELL NOS. 1 AND 2
 WEST LOCO HILLS GRAYBURG NO. 4 SAND UNIT
EDDY COUNTY, NEW MEXICO

Well Number	<u>30-1</u>	<u>30-2</u>
Location	SW/4 SE/4, Sec. 11 T18S R29E	SE/4 SE/4, Sec. 11 T18S R29E
Elevation	3513.5'	3519'
Completion Date	6-25-64	7-14-64
Surface Casing:		
Size	7"	7"
Depth	483'	474'
Sacks Cement Used	50	50
Estimated Top of Cement	183'	174'
Top of Salt	478'	469'
Production Casing:		
Size	4-1/2"	4-1/2"
Depth	2589'	2632'
Sacks Cement Used	50	50
Estimated Top of Cement	2110'	2152'
Reported Pay Intervals	2599 - 2624'	2647 - 2655'
Total Depth	2655'	2676'

RRP:ajg
 October 29, 1964

WELL RECORD SUMMARY OF PROPOSED WATER INJECTION WELLS
 NEWMONT OIL COMPANY'S WEST SQUARE LAKE WATERFLOOD PROJECT
 SQUARE LAKE FIELD, EDDY COUNTY, NEW MEXICO

LEASE	WELL NUMBER	LOCATION	ELEVATION	COMPLETION DATE	SURFACE CASING					TOP OF SALT
					SIZE	DEPTH	CEMENT USED	EST. TOP OF CEMENT		
									SACKS	
LEONARD "E"	1*	SE/4 SE/4 SEC. 33 T16S R30E	3727'	3-28-42	8-5/8"	493'	50	181'	493'	
LEONARD "E"	3	NW/4 SE/4 SEC. 33 T16S R30E	3724'	4-14-42	8-1/4"	574'	50	330'	574'	
LEONARD "E"	8	SE/4 NW/4 SEC. 4 T17S R30E	3720'	11-4-42	8-5/8"	514'	50	270'	517'	
LEONARD "E"	13	NW/4 SE/4 SEC. 4 T17S R30E	3715'	1-27-46	10-3/4"	501'.7"	50	260'	565'	
LEONARD "E"	16	SE/4 SE/4 SEC. 4 T17S R30E	3704'	5-12-46	8-5/8"	490'	50	250'	465'	
EVANS "A"	2	SE/4 NE/4 SEC. 4 T17S R30E	3715'	2-7-42	8-1/4"	505'	50	260'	495'	
EVANS "A"	15	SE/4 SW/4 SEC. 4 T17S R30E	3740'	7-28-46	8-5/8"	585'	50	240'	475'	
EVANS "B"	8	NW/4 SW/4 SEC. 33 T16S R30E	3729'	8-14-42	8-5/8"	840'	50	600'	644'	
LEONARD STATE	1	SE/4 SE/4 SEC. 32 T16S R30E	3724'	6-7-42	10-3/4"	480'	50	240'	630'	
GEORGE ETZ "A"	5	SW/4 SE/4 SEC. 35 T16S R30E	3752'	5-29-42	8-1/4"	591'	50	350'	561'	

* NOTE: This well was plugged and abandoned on 12-19-50; 1767' of 5-1/2" casing was pulled.
 The well will either be re-entered or the location will be re-drilled.

Page 3147

WELL RECORD SUMMARY OF - PAGE 2 -
 PROPOSED WATER INJECTION WELLS
 WEST SQUARE LAKE WATERFLOOD PROJECT

LEASE	WELL NUMBER	SIZE	DEPTH	PRODUCTION CASING		EST. TOP OF CEMENT	REPORTED PAY INTERVALS	TOTAL DEPTH
				SACKS CEMENT USED				
LEONARD "E"	1	5-1/2"	2816'	100		1767'	2902-07', 2941-50', 3063-3146'	3146'
LEONARD "E"	3	5-1/2"	2771'	100		1700'	2862-70', 2911-31'	3000'
LEONARD "E"	8	5-1/2"	2750'	100		1670'	2920-40'	2953'
LEONARD "E"	13	7"	2750'	100		2150'	2920-30', 3026-60'	3153'
LEONARD "E"	16	5-1/2"	2750'	100		1670'	2830-38', 2900-10', 3035-65'	3125'
EVANS "A"	2	5-1/2"	2750'	100		1670'	2825-37', 2925-41'	2966'
EVANS "A"	15	5-1/2"	2700'	100		1620'	2730-55', 2755-75', 2775-2825'	2825'
EVANS "B"	8	5-1/2"	2712'	100		1632'	2808-18', 2852-62'	2881'
LEONARD STATE	1	7"	2162'	50		1862'	2797-2802'	2883'
		5-1/2"	2650' (565')	40		2085'		
GEORGE ETZ "A"	5	5-1/2"	2896'	100		1826'	2973-77', 3010-21'	3051'

Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease Leonard "E" Well No. 1
Location SE/4 SE/4, Sec. 33 T16S R30E Comp. Date 3-28-42

10 Sack Cement Plug
Set at Surface

Elevation 3727 Feet

Top of 8-5/8" and Estimated
Top of Cement 181 Feet

Top Of Salt 493 Feet

10 Sack Cement Plug Set
At Top of Salt

Surface Casing 8-5/8"
Set At 493 Feet
With 50 Sacks Cement.

Reported Pay Intervals

Top of 5-1/2" and Estimated Top
of Cement 1767 Feet

Production Casing 5-1/2"
Set At 2816 Feet With 100
Sacks Cement.

2902 - 2907'

2941 - 2950'

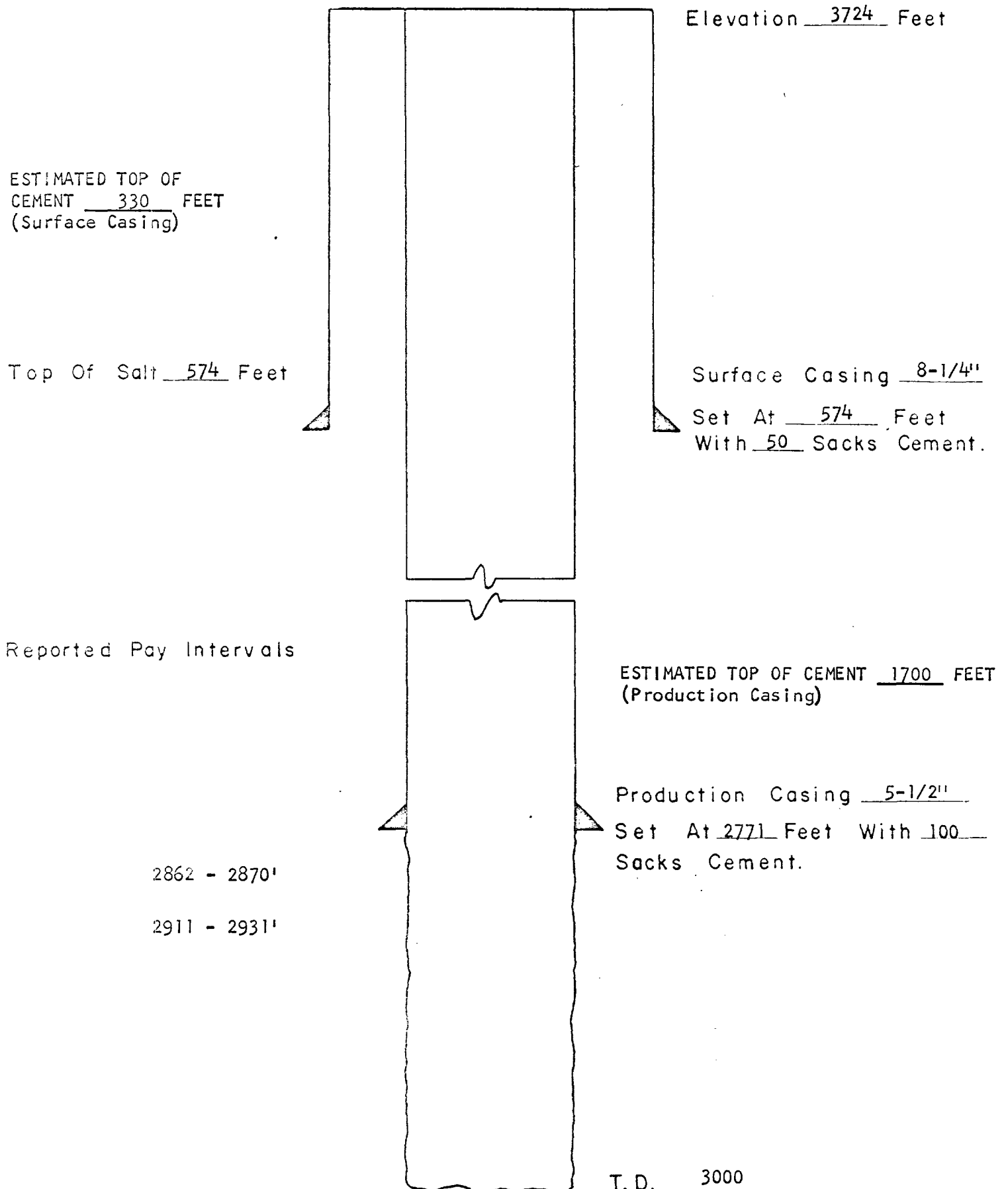
3063 - 3146'

T. D. 3146

NOTE: This well was plugged and abandoned on December 19, 1950
by Texas Consolidated Oils.

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

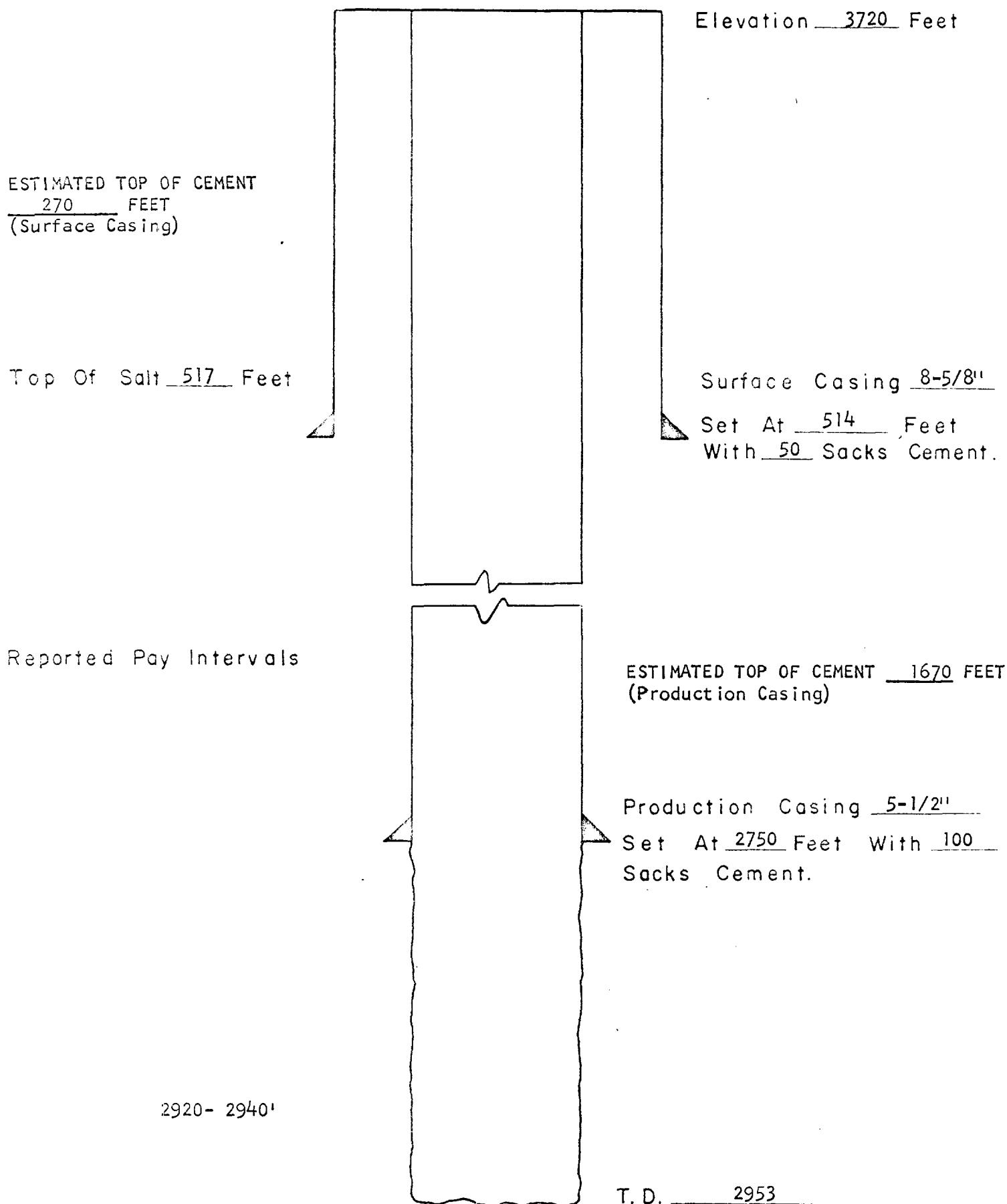
Field Square Lake County Eddy Lease Leonard "E" Well No. 3
Location NW/4 SE/4, Sec. 33 T16S R30E Comp. Date 4-14-42



Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

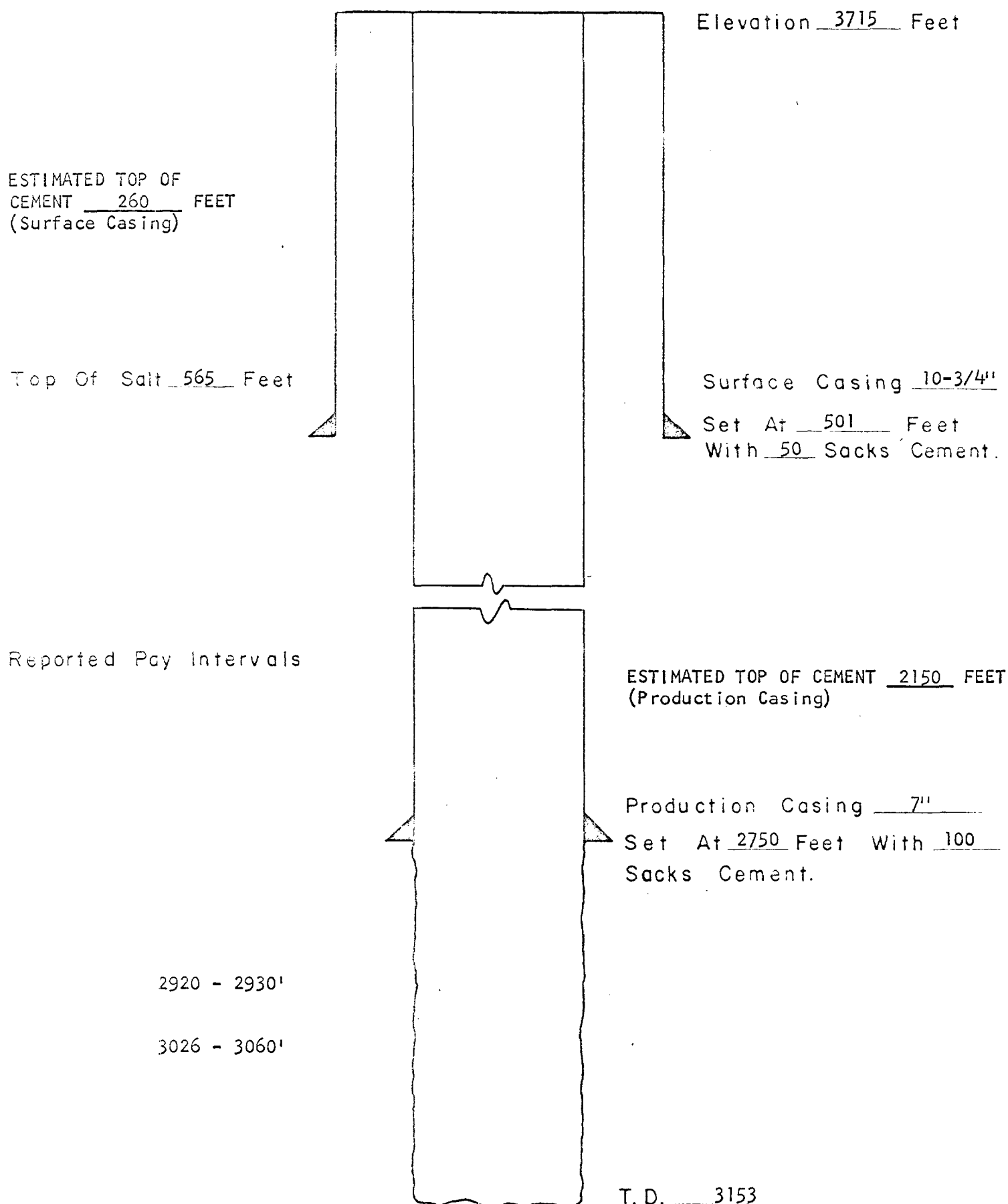
Field Square Lake County Eddy Lease Leonard "E" Well No. 8
Location SE/4 NW/4, Sec. 4 T17S R30E Comp. Date 11-4-42



Chas 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

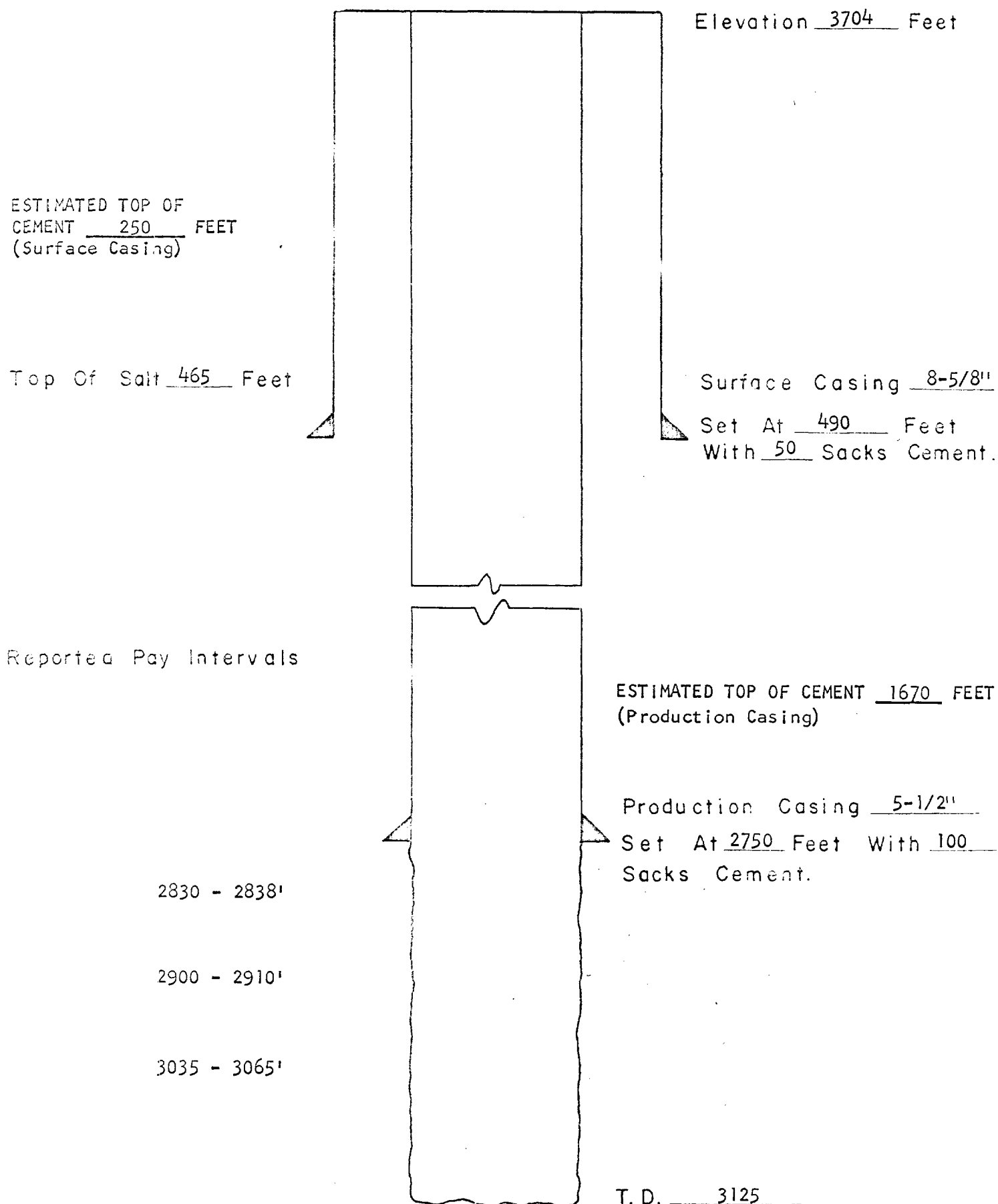
Field Square Lake County Eddy Lease Leonard "E" Well No. 13
Location NW/4 SE/4, Sec. 4 T17S R30E Comp. Date 1-27-46



Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

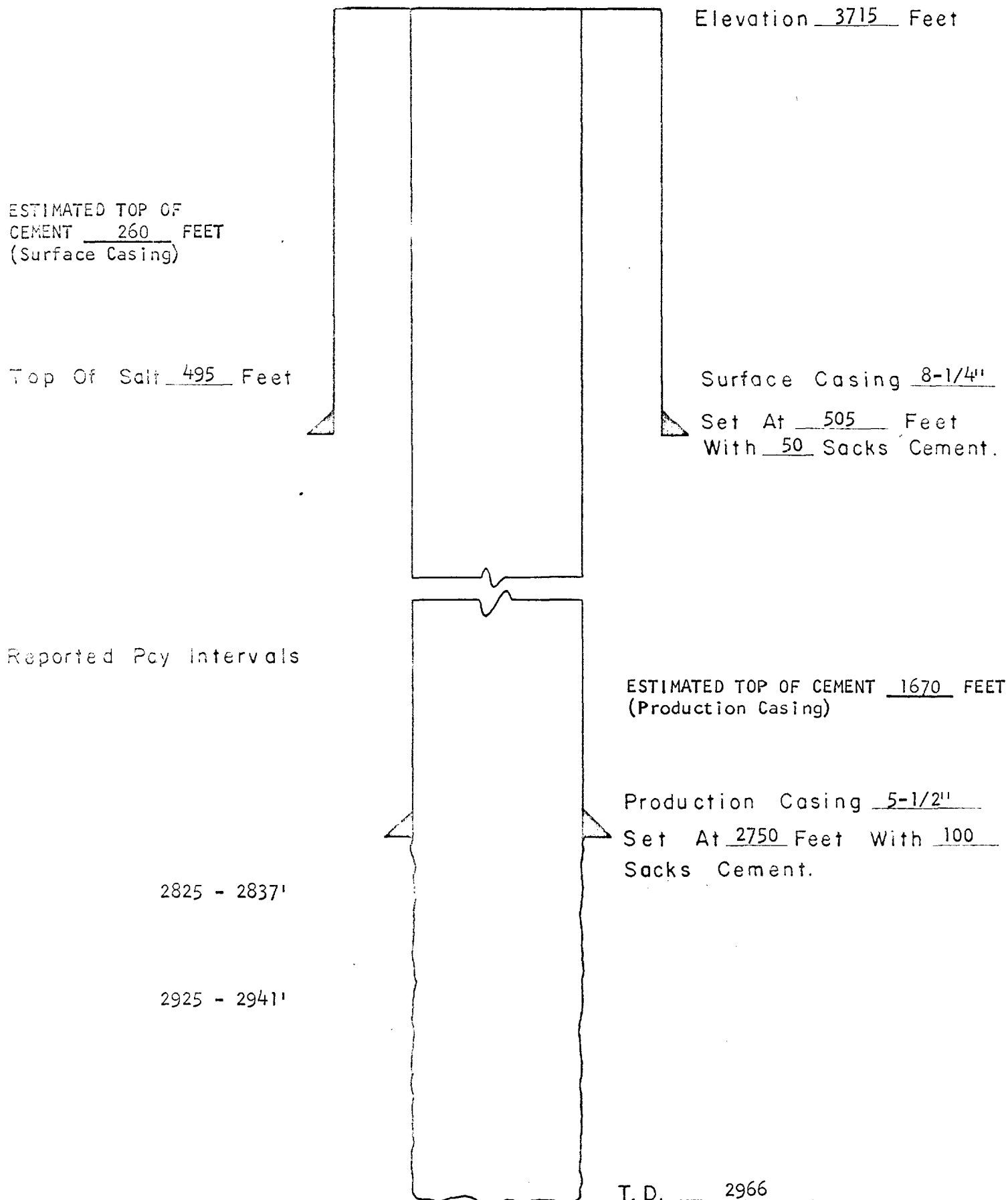
Field Square Lake County Eddy Lease Leonard "E" Well No. 16
Location SE/4 SE/4, Sec. 4 T17S R30E Comp. Date 5-12-46



Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

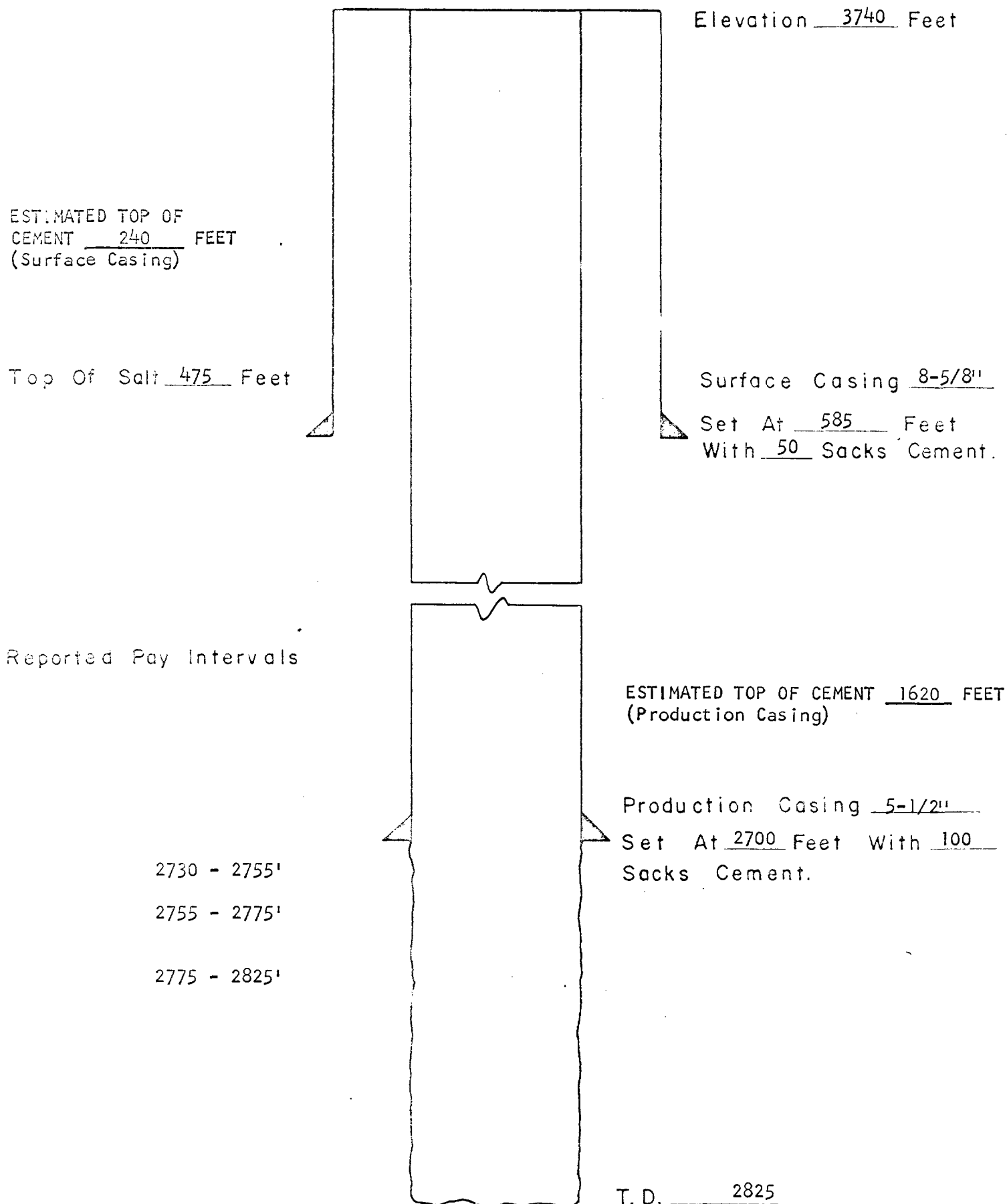
Field Square Lake County Eddy Lease Evans "A" Well No. 2
Location SE/4 NE/4, Sec. 4 T17S R30E Comp. Date 2-7-42



Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

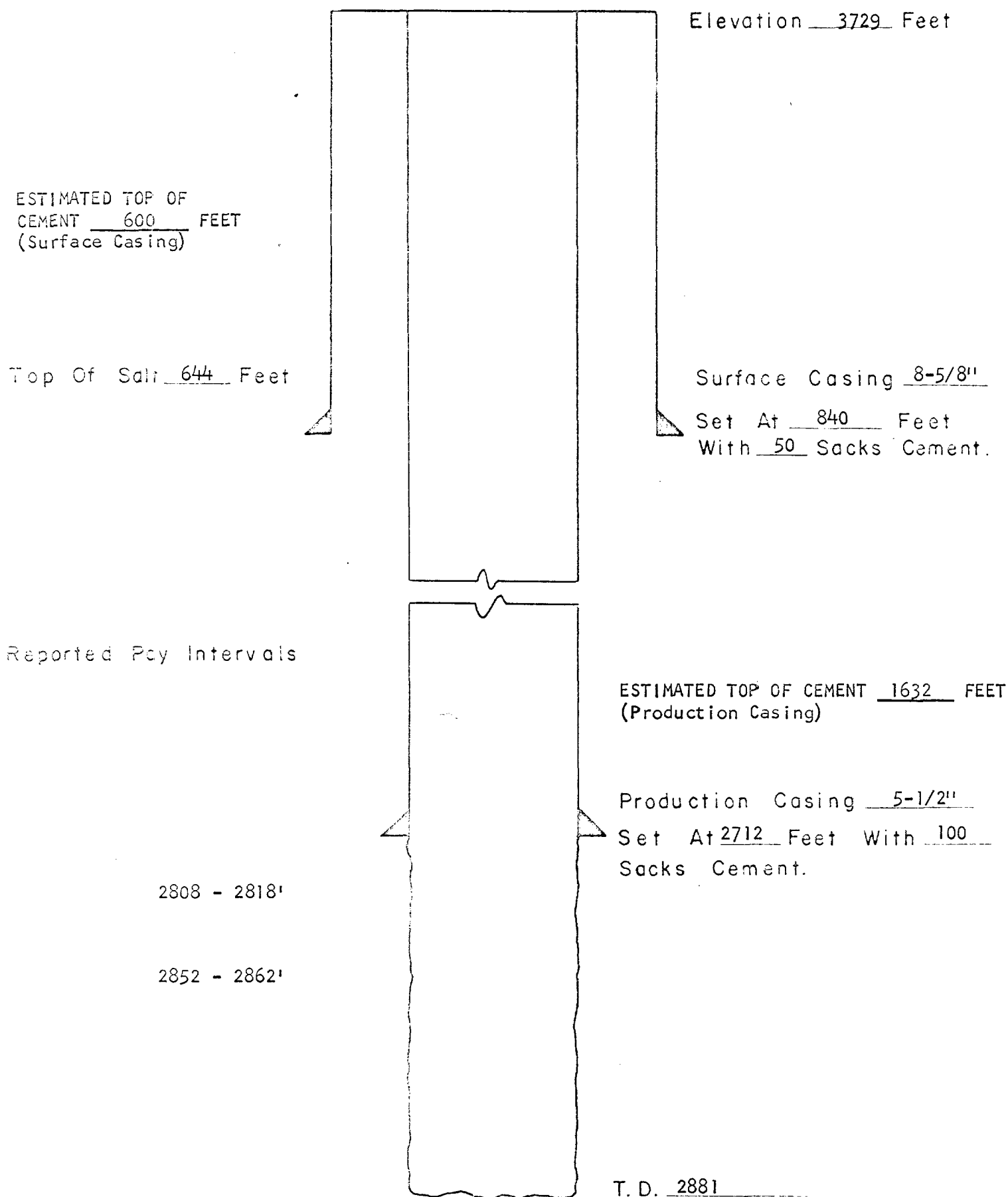
Field Square Lake County Eddy Lease Evans "A" Well No. 15
Location SE/4 SW/4, Sec. 4 T17S R30E Comp. Date 7-28-46



Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

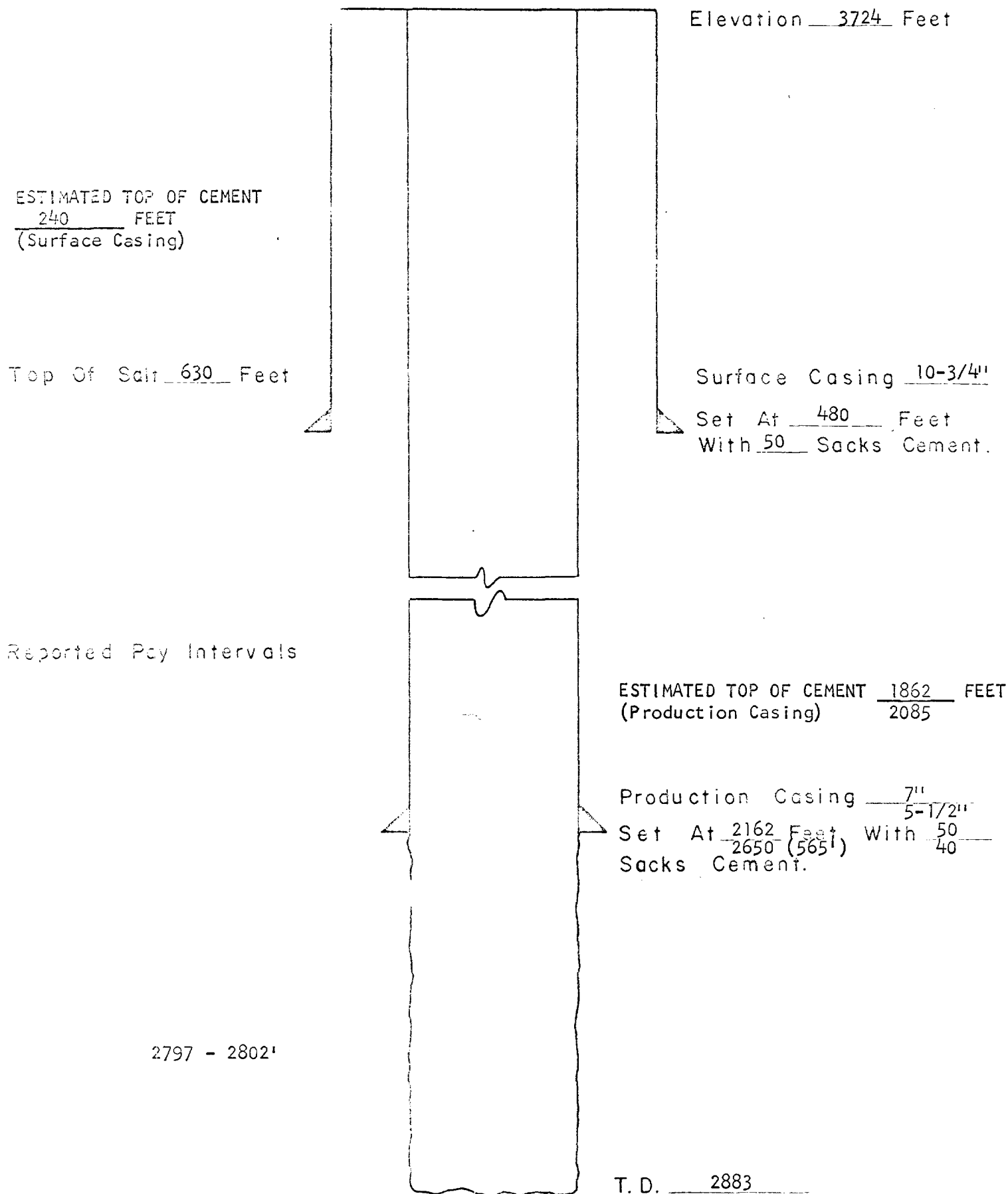
Field Square Lake County Eddy Lease Evans "B" Well No. 8
Location NW/4 SW/4, Sec. 33 T16S R30E Comp. Date 8-14-42



Case 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

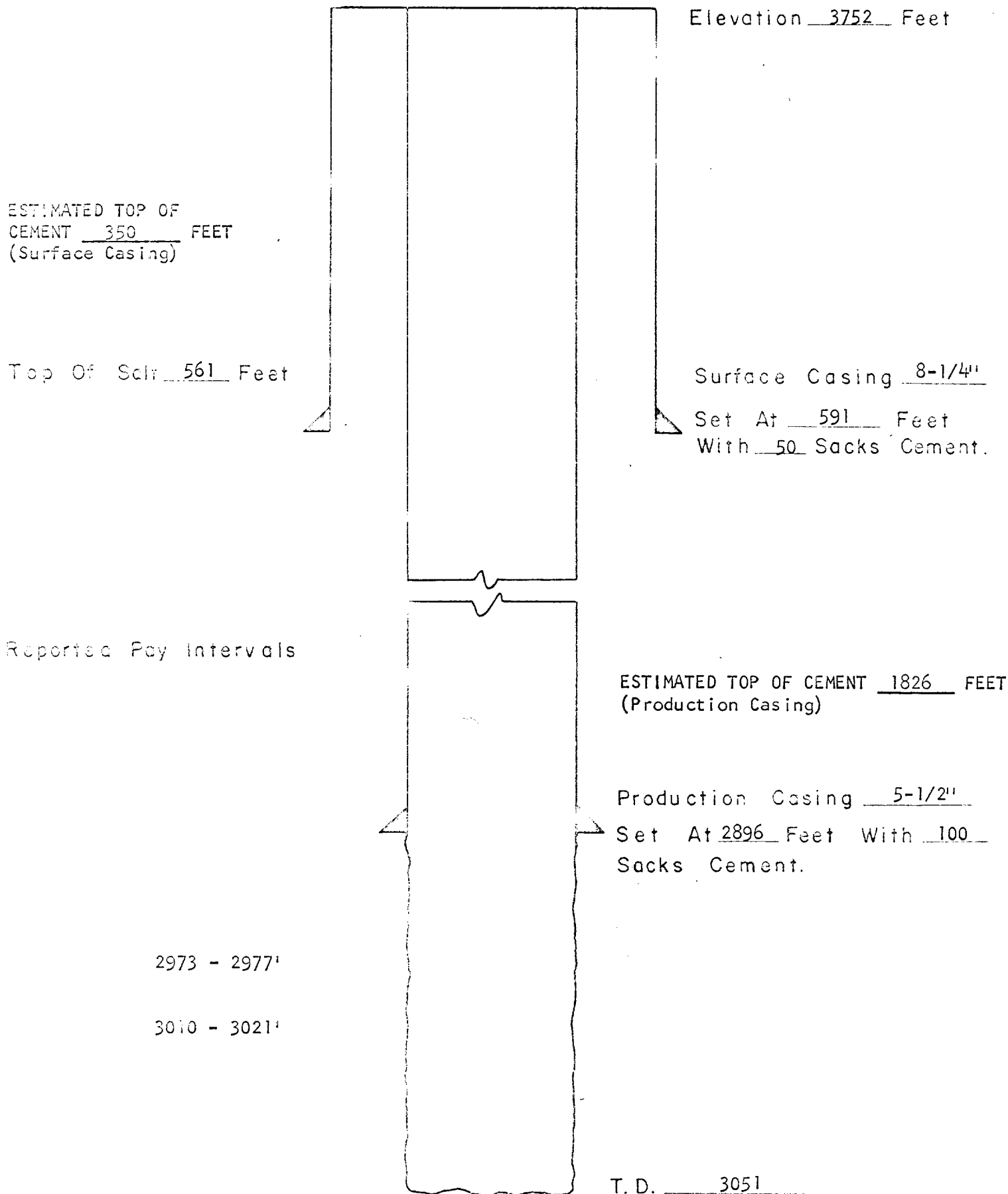
Field Square Lake County Eddy Lease Leonard State Well No. 1
Location SE/4 SE/4, Sec. 32 T16S R30E Comp. Date 6-7-42



Chas 3147

NEWMONT OIL COMPANY
PROPOSED WATER INJECTION WELL
SCHEMATIC COMPLETION DIAGRAM

Field Square Lake County Eddy Lease George Etz "A" Well No. 5
Location SW/4 SE/4, Sec. 35 T16S R30E Comp. Date 5-29-42



Case 3147

