

NEWMONT OIL COMPANY

ROOM 303, FIRST NATIONAL BANK BUILDING

P. O. Box 1305

ARTESIA, NEW MEXICO 88210

November 14, 1968

NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter, Jr.
Secretary-Director
State of New Mexico
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

WIX - 302

Blue Rec 3

Dear Mr. Porter:

Newmont Oil Company request administrative approval to convert to injection, our Texas Trading No. 8 well, Unit Letter B, 1270' FNL & 1650 FEL of Section 33, Township 16S, Range 31E, Square Lake Grayburg-San Andres Field, Eddy County, New Mexico.

Conversion of this well to injection will aid in recovery of additional oil as it will provide a backup for our Johnson No. 13 well. Also, this well will provide a better balanced flood on the Johnson and Texas Trading leases as the sweep efficiency will be improved.

The proposed well is located inside the Newmont operated East Square Lake Unit which was established by Order No. R-1110, and amended Order Nos. R-1110-A, R-1110-B, R-1110-C and R-1110-D.

Attached is a map showing location of well, diagrammatic sketch of proposed installation, drillers log, and Form C-116 for our Texas Trading No. 3 well that has responded to waterflood operations and is a Northeast offset to the proposed conversion.

It is planned to inject approximately 500 barrels water per day down tubing, beneath a packer to be set below top of cement outside the production casing. Produced water from the East Square Lake Unit will be used for injection. If the quantity of produced water does not meet the above requirements, fresh make-up water will be purchased from Yucca Water Company.

At this time we request the fifteen day waiting period be waived as all of the surrounding wells are operated by Newmont Oil Company.

Yours truly,

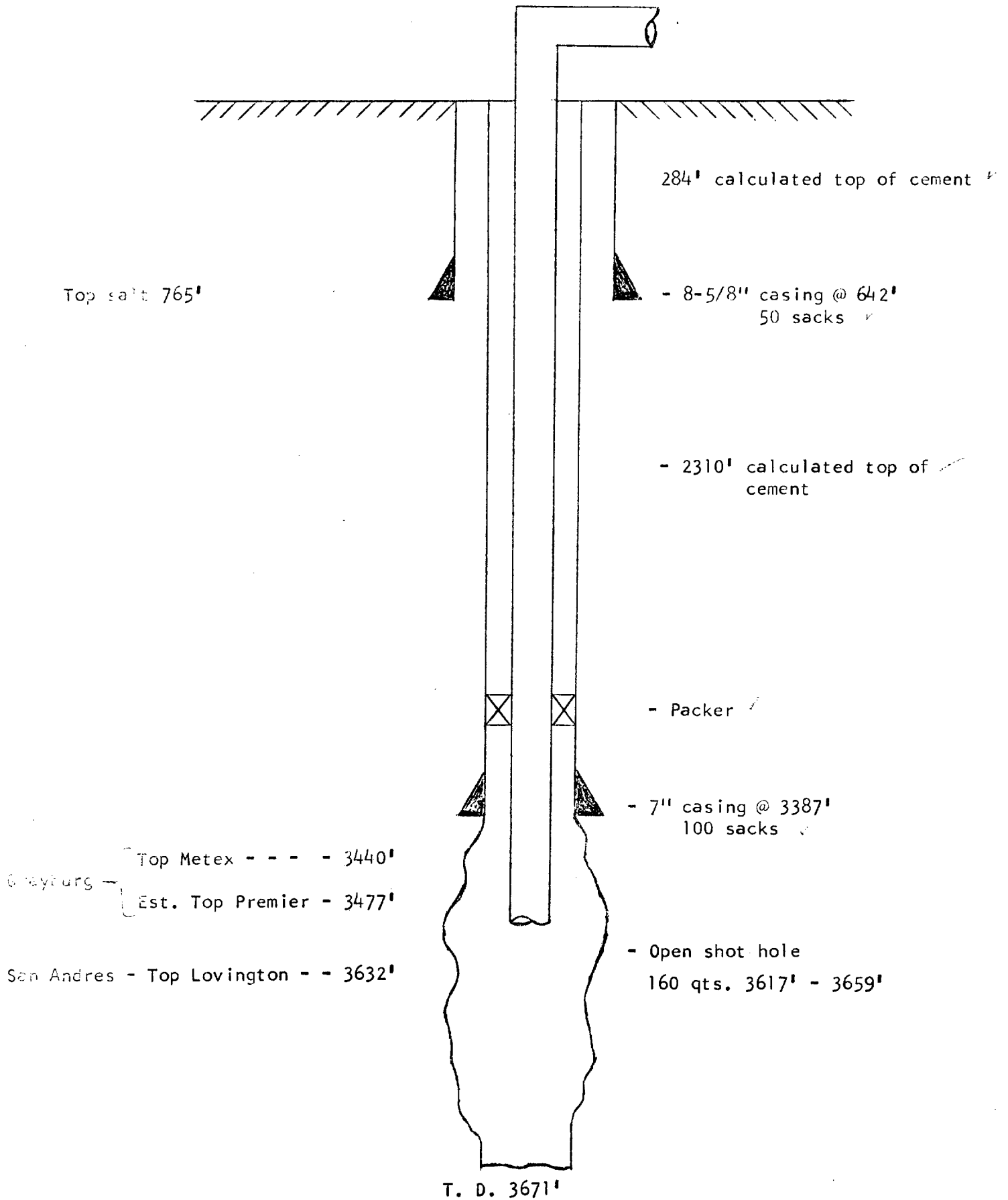
NEWMONT OIL COMPANY

Herman J. Ledbetter

Herman J. Ledbetter
Division Superintendent

CCJ/HJL/saf
Attachments

DIAGRAMMATIC SKETCH
OF
PROPOSED CONVERSION
NEWMONT OIL COMPANY
Texas Trading No. 8 Well



NEWMONT OIL COMPANY
Texas Trading No. 8 Well
Square Lake (Grayburg-San Andres) Field
Eddy County, New Mexico

DRILLERS LOG

<u>FROM</u>	<u>TO</u>	<u>TOTAL FEET</u>	<u>FORMATION</u>
0	450	450	Red Shale
450	490	40	Sand
490	500	10	Red Shale
500	520	20	Sand
520	580	60	Red Bed
580	705	125	Anhydrite
705	710	5	Red Shale
710	720	10	Anhydrite
720	765	45	Red Shale
765	1200	435	Salt
1200	1225	25	Anhydrite
1225	1570	345	Salt
1570	1580	10	Anhydrite
1580	1720	140	Salt
1720	1750	30	Anhydrite
1750	1795	45	Anhydrite & Shale
1795	1805	10	Shale
1805	1820	15	Lime
1820	1840	20	Broken Lime
1840	1905	65	Anhydrite
1905	1925	20	Red Shale Broken
1925	2035	110	Anhydrite & Shale
2035	2085	50	Anhydrite
2085	2115	30	Anhydrite & Shale
2115	2345	230	Anhydrite
2345	2350	5	Blue Shale
2350	2550	200	Anhydrite
2550	2580	30	Broken Anhydrite
2580	2825	245	Anhydrite
2825	2840	15	Red Sand
2840	3085	245	Anhydrite
3085	3100	15	Sand
3100	3210	110	Anhydrite
3210	3250	40	Lime
3250	3305	55	Broken Lime
3305	3350	45	Lime
3350	3375	25	Broken Lime
3375	3384	9	Lime & Shale
3384	3390	6	Lime
3390	3405	15	Broken Lime
3405	3408	3	Brown Shale
3408	3440	32	Lime
3440	3446	6	Sandy Lime
3446	3500	54	Lime
3500	3504	4	Brown Shale

Newmont Oil Company
Texas Trading No. 8 Well
Page 2 - Drillers Log

<u>FROM</u>	<u>TO</u>	<u>TOTAL FEET</u>	<u>FORMATION</u>
3504	3525	21	Broken Lime
3525	3632	107	Lime
3632	3650	18	Oil Sand
3650	3671	21	Lime
3671	Total Depth		

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Address		TYPE OF TEST - (X)		SCHEDULED		COMPLETION		SPECIAL	
NEWMONT OIL COMPANY		SQUARE LAKE		GRAYBURG-SAN ANDRES		EDDY									
P. O. BOX 1305, ARTESIA, NEW MEXICO 88210															
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
Texas Trading *	3	B	33	16	31	5-24-63	P		24	0	37.0	1.75	NA		
Texas Trading **	3	B	33	16	31	11-17-63	P		24	3	37.0	84.27	NA		
*Test taken approximately 11 months after start of flood															
**Test taken approximately 17 months after start of flood															

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.



Division Superintendent

(Title)

November 17, 1963

(Date)

NEWMONT OIL COMPANY
ROOM 305, FIRST NATIONAL BANK BUILDING
P. O. Box 1305
ARTESIA, NEW MEXICO 88210

November 14, 1968

NEW MEXICO
DISTRICT OFFICE

Mr. A. L. Porter, Jr.
Secretary-Director
State of New Mexico
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

RECEIVED

NOV 20 1968

O. C. C.
ARTESIA, OFFICE

Dear Mr. Porter:

Newmont Oil Company request administrative approval to convert to injection, our Texas Trading No. 8 well, Unit Letter B, 1270' FNL & 1650 FEL of Section 33, Township 16S, Range 31E, Square Lake Grayburg-San Andres Field, Eddy County, New Mexico.

Conversion of this well to injection will aid in recovery of additional oil as it will provide a backup for our Johnson No. 13 well. Also, this well will provide a better balanced flood on the Johnson and Texas Trading leases as the sweep efficiency will be improved.

The proposed well is located inside the Newmont operated East Square Lake Unit which was established by Order No. R-1110, and amended Order Nos. R-1110-A, R-1110-B, R-1110-C and R-1110-D.

Attached is a map showing location of well, diagrammatic sketch of proposed installation, drillers log, and Form C-116 for our Texas Trading No. 3 well that has responded to waterflood operations and is a Northeast offset to the proposed conversion.

It is planned to inject approximately 500 barrels water per day down tubing, beneath a packer to be set below top of cement outside the production casing. Produced water from the East Square Lake Unit will be used for injection. If the quantity of produced water does not meet the above requirements, fresh make-up water will be purchased from Yucca Water Company.

At this time we request the fifteen day waiting period be waived as all of the surrounding wells are operated by Newmont Oil Company.

Yours truly,

NEWMONT OIL COMPANY

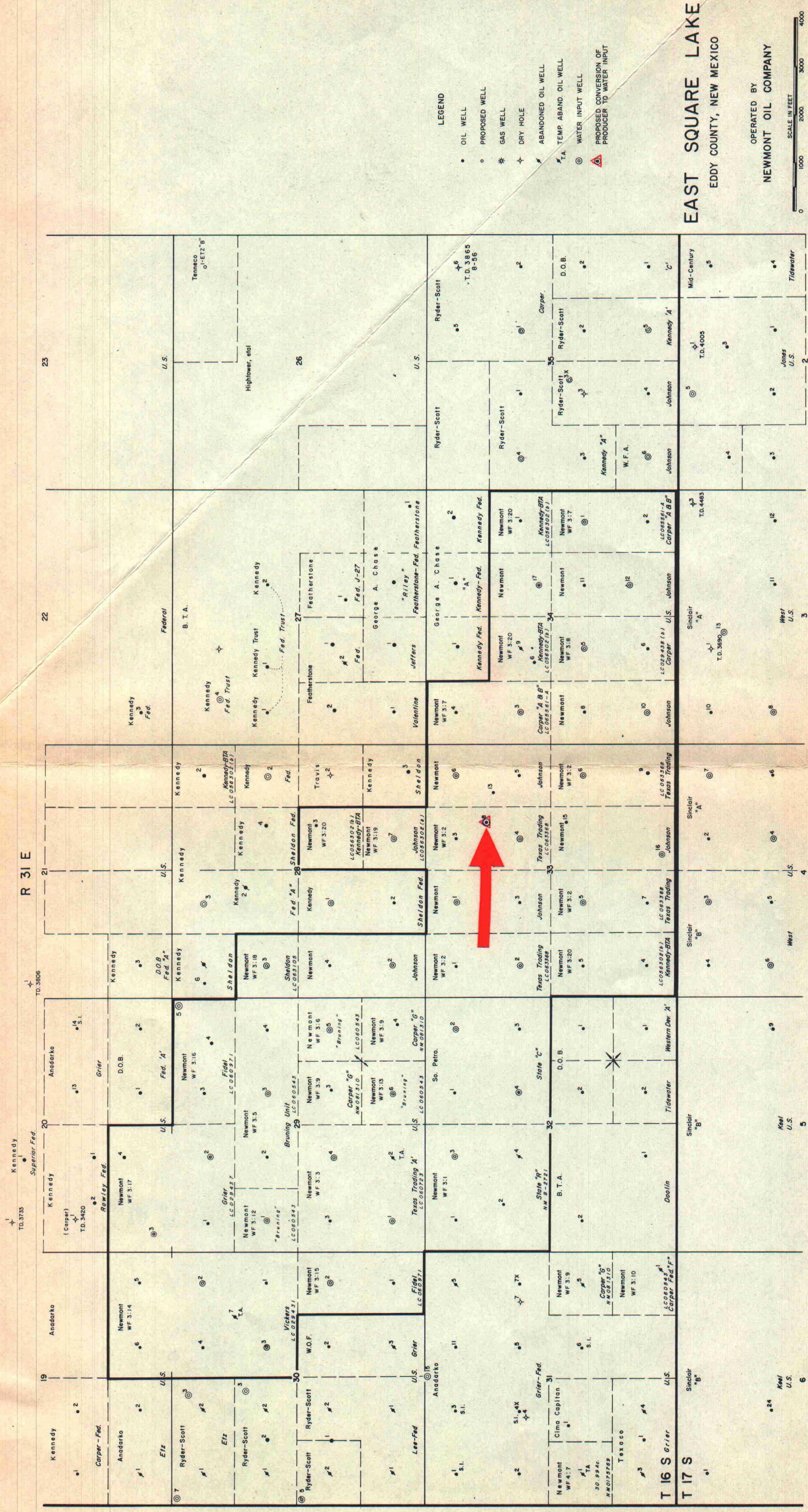
Herman J. Ledbetter
Herman J. Ledbetter
Division Superintendent

11-21-68
No objection to this
application.

PLS

CCJ/HJL/saf
Attachments

Packer set at 2978'



EAST SQUARE LAKE
EDDY COUNTY, NEW MEXICO

OPERATED BY
NEWMONT OIL COMPANY

