

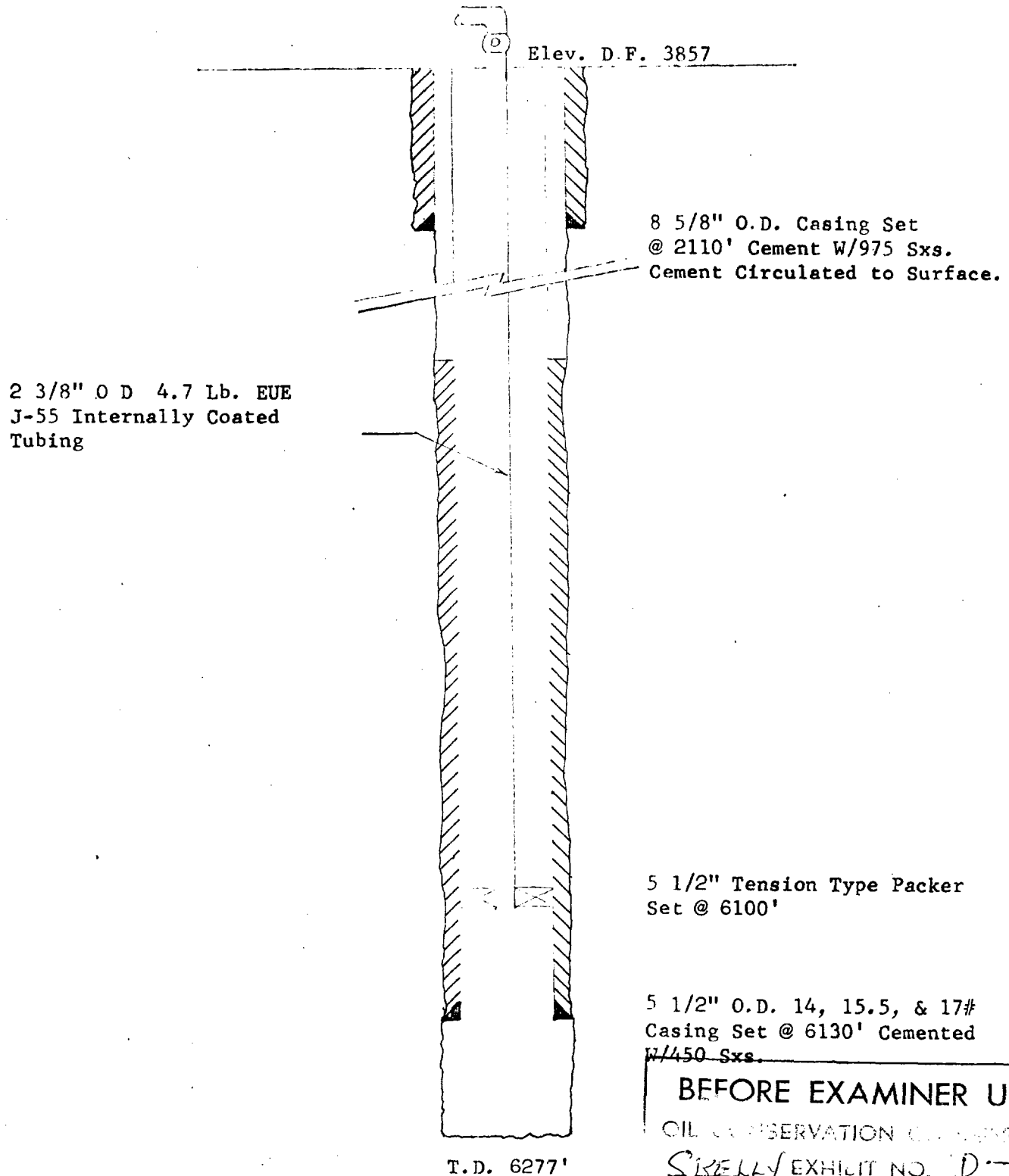
SKELLY OIL COMPANY
 MONTHLY WATER INJECTION
 LOVINGTON PADDOCK UNIT

Month & Year	Water Injected (Barrels)	Daily Average Water Injected (Barrels)
1966		
December	120,373	9,612
1967		
January	259,608	8,374
February	205,964	7,355
March	205,965	6,644
April	187,392	6,245
May	187,381	6,046
June	170,766	5,692
July	182,323	5,881
August	175,538	5,662
September	<u>163,153</u>	5,438
TOTAL	1,858,463	

BOB/bh
 11-17-67

BEFORE EXAMINER UTZ	
IL CONSERVATIC	1967
SKELLY	EXHIBIT. <u> A </u>
CASE NO.	<u> 3692 </u>

SKELLY OIL COMPANY
LOVINGTON PADDOCK UNIT WELL NO. 4
660' FS & WL'S, SECTION 25, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO



Elev. D.F. 3857

8 5/8" O.D. Casing Set
@ 2110' Cement W/975 Sxs.
Cement Circulated to Surface.

2 3/8" O D 4.7 Lb. EUE
J-55 Internally Coated
Tubing

5 1/2" Tension Type Packer
Set @ 6100'

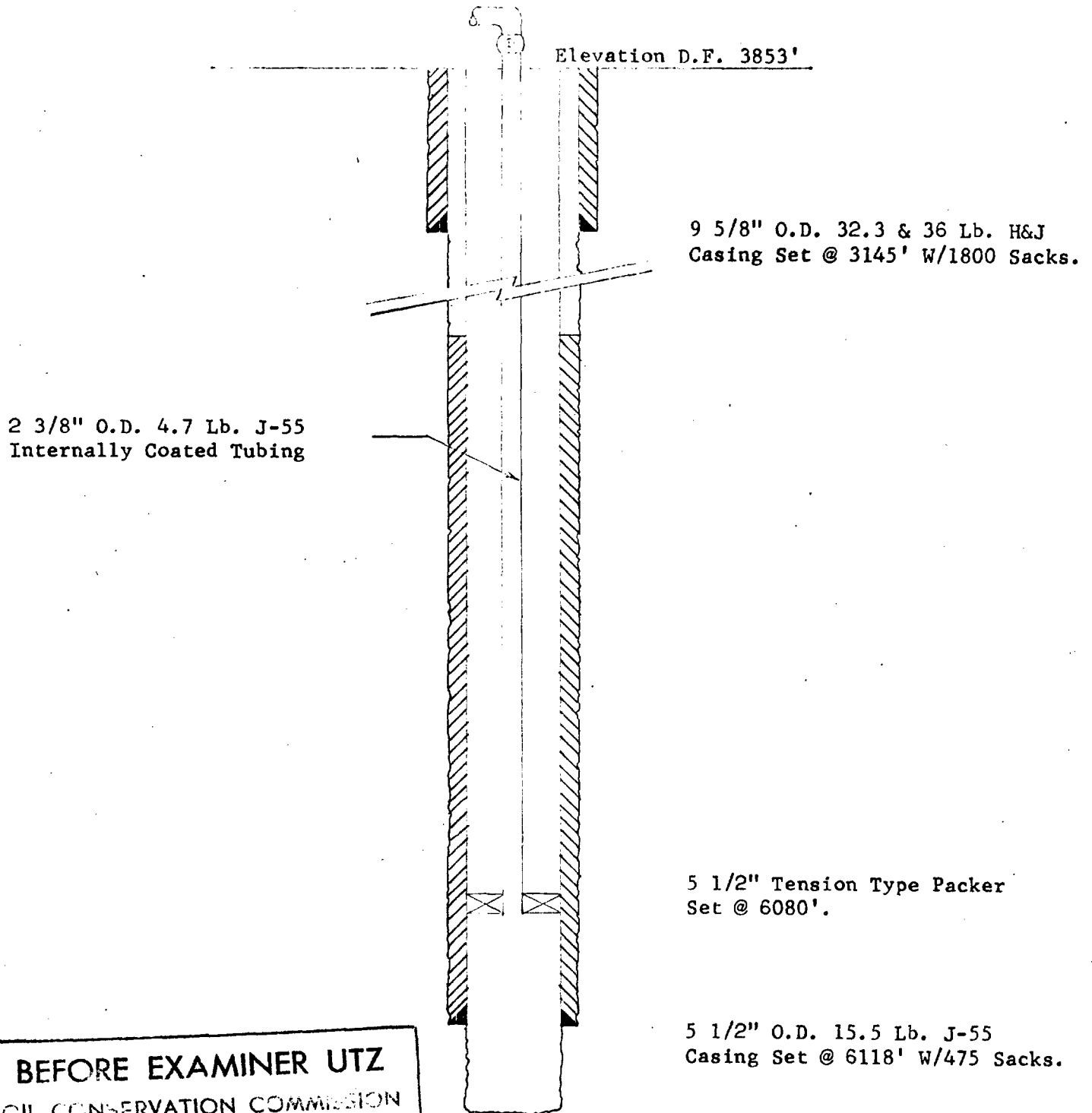
5 1/2" O.D. 14, 15.5, & 17#
Casing Set @ 6130' Cemented
W/450 Sxs.

T.D. 6277'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
SKELLY EXHIBIT NO. D-1
CASE NO. 3692

SKELLY OIL COMPANY

LOVINGTON PADDOCK UNIT WELL NO. 6
480' FSL 2280' FEL, Section 25, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO



Elevation D.F. 3853'

9 5/8" O.D. 32.3 & 36 Lb. H&J
Casing Set @ 3145' W/1800 Sacks.

2 3/8" O.D. 4.7 Lb. J-55
Internally Coated Tubing

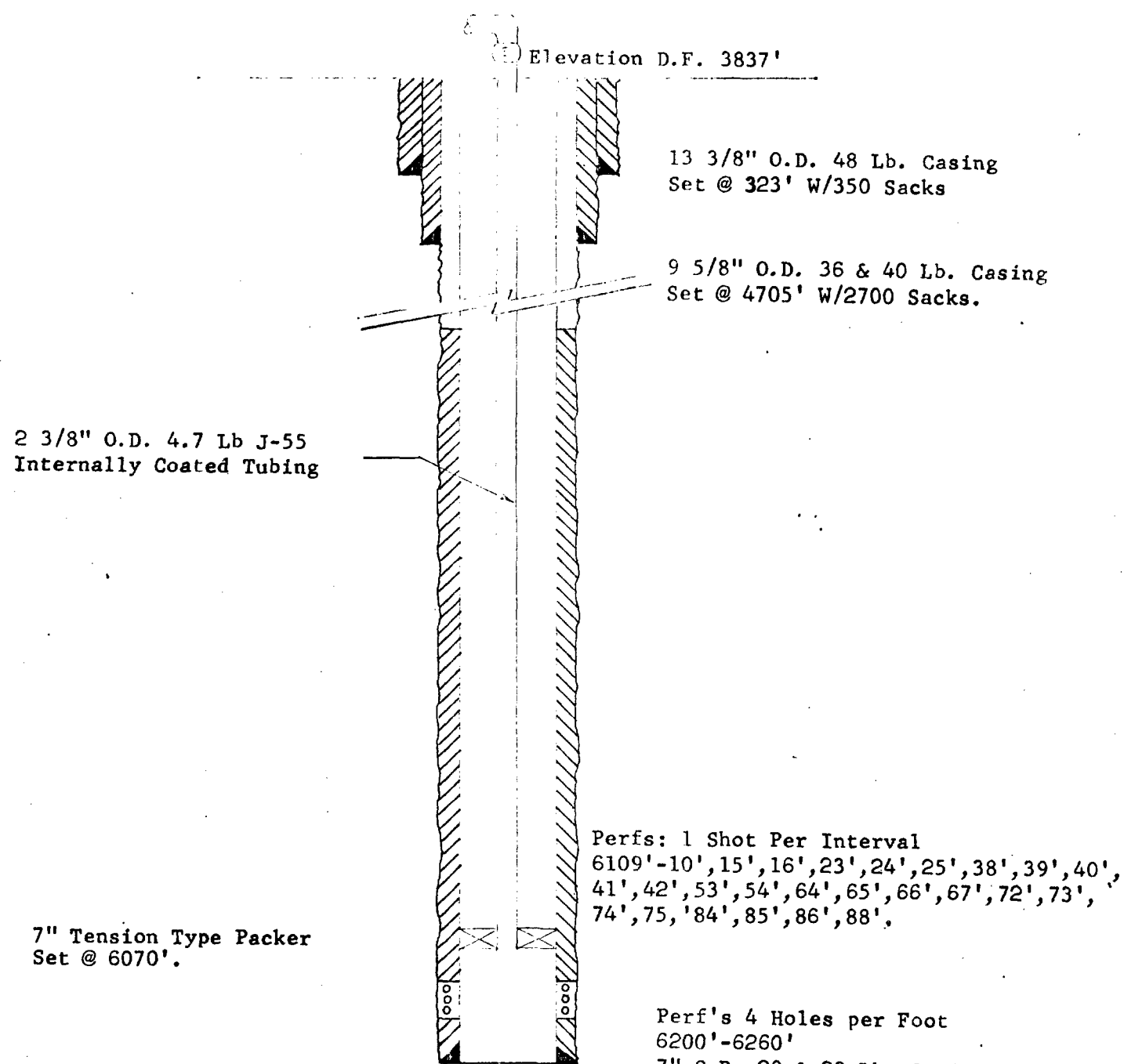
5 1/2" Tension Type Packer
Set @ 6080'.

5 1/2" O.D. 15.5 Lb. J-55
Casing Set @ 6118' W/475 Sacks.

T.D. 6285'

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 SKELLY EXHIBIT NO. D-2
 CASE NO. 3692

SKELLY OIL COMPANY
LOVINGTON PADDOCK UNIT WELL NO. 8
660' FS & WL's, SECTION 30, T-16-S. R-37-E
LEA COUNTY, NEW MEXICO



Elevation D.F. 3837'

13 3/8" O.D. 48 Lb. Casing
Set @ 323' W/350 Sacks

9 5/8" O.D. 36 & 40 Lb. Casing
Set @ 4705' W/2700 Sacks.

2 3/8" O.D. 4.7 Lb J-55
Internally Coated Tubing

7" Tension Type Packer
Set @ 6070'.

Perfs: 1 Shot Per Interval
6109'-10', 15', 16', 23', 24', 25', 38', 39', 40',
41', 42', 53', 54', 64', 65', 66', 67', 72', 73',
74', 75', 84', 85', 86', 88'.

Perf's 4 Holes per Foot
6200'-6260'
7" O.D. 20 & 23 Lb. Casing
Set @ 6270' W/450 Sacks

T.D. 6270'

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 SKELLY EXHIBIT NO. D-3
 CASE NO. 3692

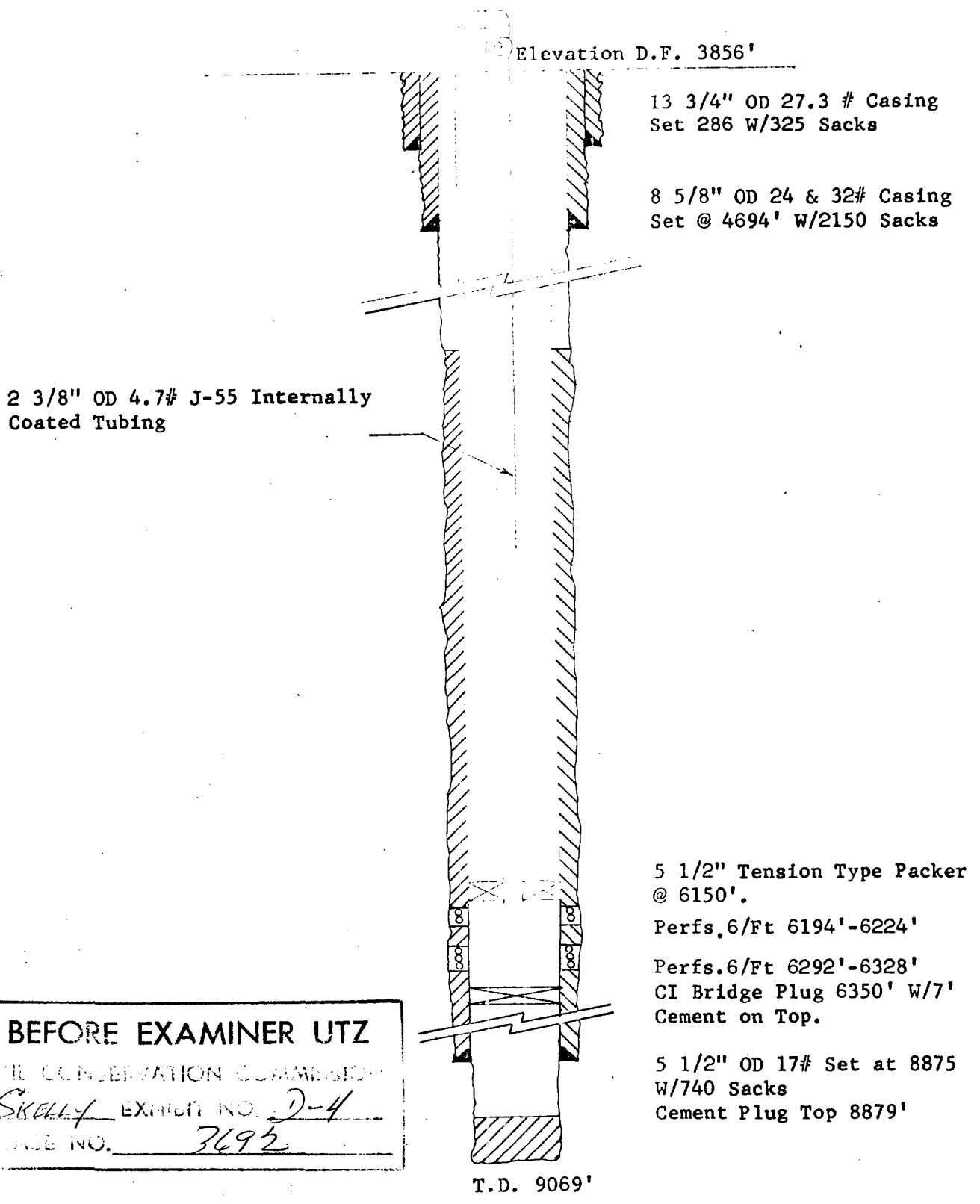
LOVINGTON PADDOCK UNIT WELL NO. 8

PROCEDURE TO PERFORATE ADDITIONAL ZONES AND CONVERT TO INJECTION.

1. Pull rods and tubing.
2. Perforate 7" O.D. casing one shot per interval 6109'-10', 15', 16', 23', 24', 25', 38', 39', 40', 41', 42', 53', 54', 64', 65', 66', 67', 72', 73', 74', 75', 84', 85', 86', 87', and 88'.
3. Run tubing with packer and retrievable Bridge Plug. Set BP @ 6196'. Set Tubing bottom approximately 6100'. Set Packer and treat casing perforations 6109' to 6184' with 1000 Gallons 15% Mud Acid and 40 Ball Sealers. Ball Out. Flow and swab acid water back.
4. Pull tubing Bridge Plug and packer.
5. Run plastic coated tubing and tension packer.
6. Put on injection.

BOB/bh

SKELLY OIL COMPANY
LOVINGTON PADDOCK UNIT WELL NO. 44
660' FSL & 1880' FEL, SECTION 35, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO



Elevation D.F. 3856'

13 3/4" OD 27.3 # Casing
Set 286 W/325 Sacks

8 5/8" OD 24 & 32# Casing
Set @ 4694' W/2150 Sacks

2 3/8" OD 4.7# J-55 Internally
Coated Tubing

5 1/2" Tension Type Packer
@ 6150'.

Perfs. 6/Ft 6194'-6224'

Perfs. 6/Ft 6292'-6328'

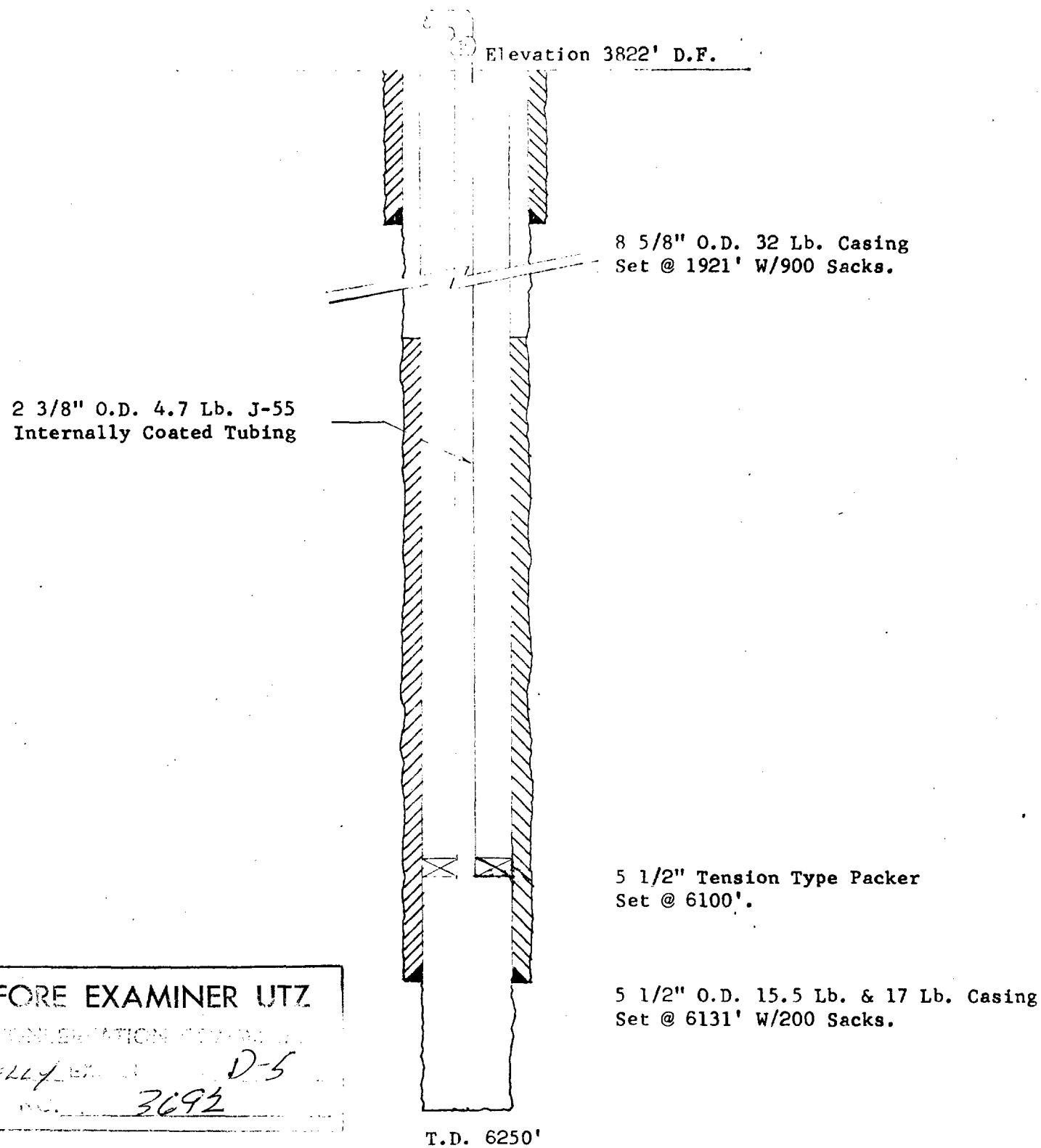
CI Bridge Plug 6350' W/7'
Cement on Top.

5 1/2" OD 17# Set at 8875
W/740 Sacks
Cement Plug Top 8879'

T.D. 9069'

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 SKELLY EXHIBIT NO. D-4
 CASE NO. 3692

SKELLY OIL COMPANY
LOVINGTON PADDOCK UNIT WELL NO. 70
660' FSL, 614' FWL, SECTION 6, T-17-S, R-37-E
LEA COUNTY, NEW MEXICO



Elevation 3822' D.F.

8 5/8" O.D. 32 Lb. Casing
Set @ 1921' W/900 Sacks.

2 3/8" O.D. 4.7 Lb. J-55
Internally Coated Tubing

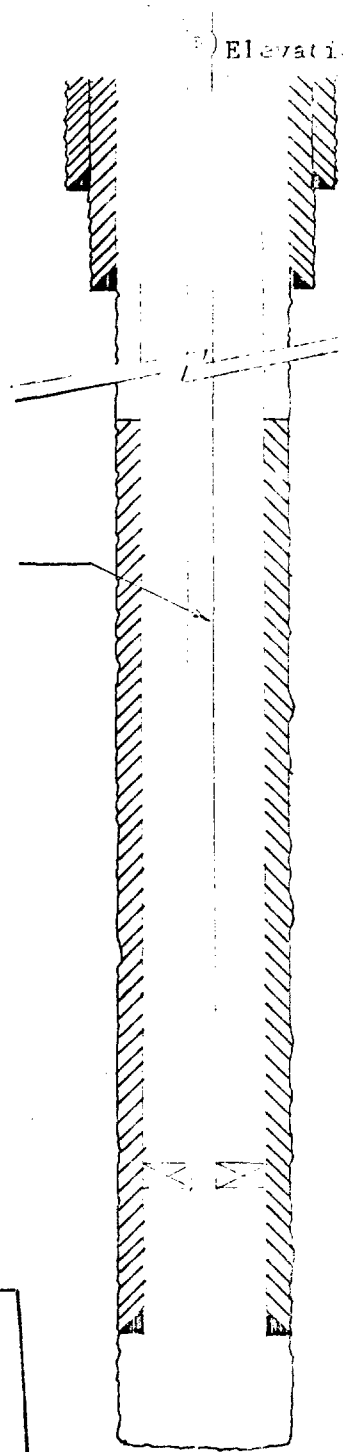
5 1/2" Tension Type Packer
Set @ 6100'.

5 1/2" O.D. 15.5 Lb. & 17 Lb. Casing
Set @ 6131' W/200 Sacks.

T.D. 6250'

BEFORE EXAMINER UTZ
 SKELLY OIL COMPANY
 D-5
 3092

SKETCH
LOVINGTON PADDED UNIT, NO. 73
853' FS & WL's, SECTION 1, T-7-S R-36-E
LEA COUNTY, NEW MEXICO



Elevation D.F. 3837'

13 3/8" O.D. 36 Lb. Casing
Set @ 296' W/300 Sacks.

8 5/8" O.D. 32 Lb. Casing
Set @ 3747' W/1500 Sacks

2 3/8" O.D. 4.7 Lb. J-55
Internally Coated Tubing

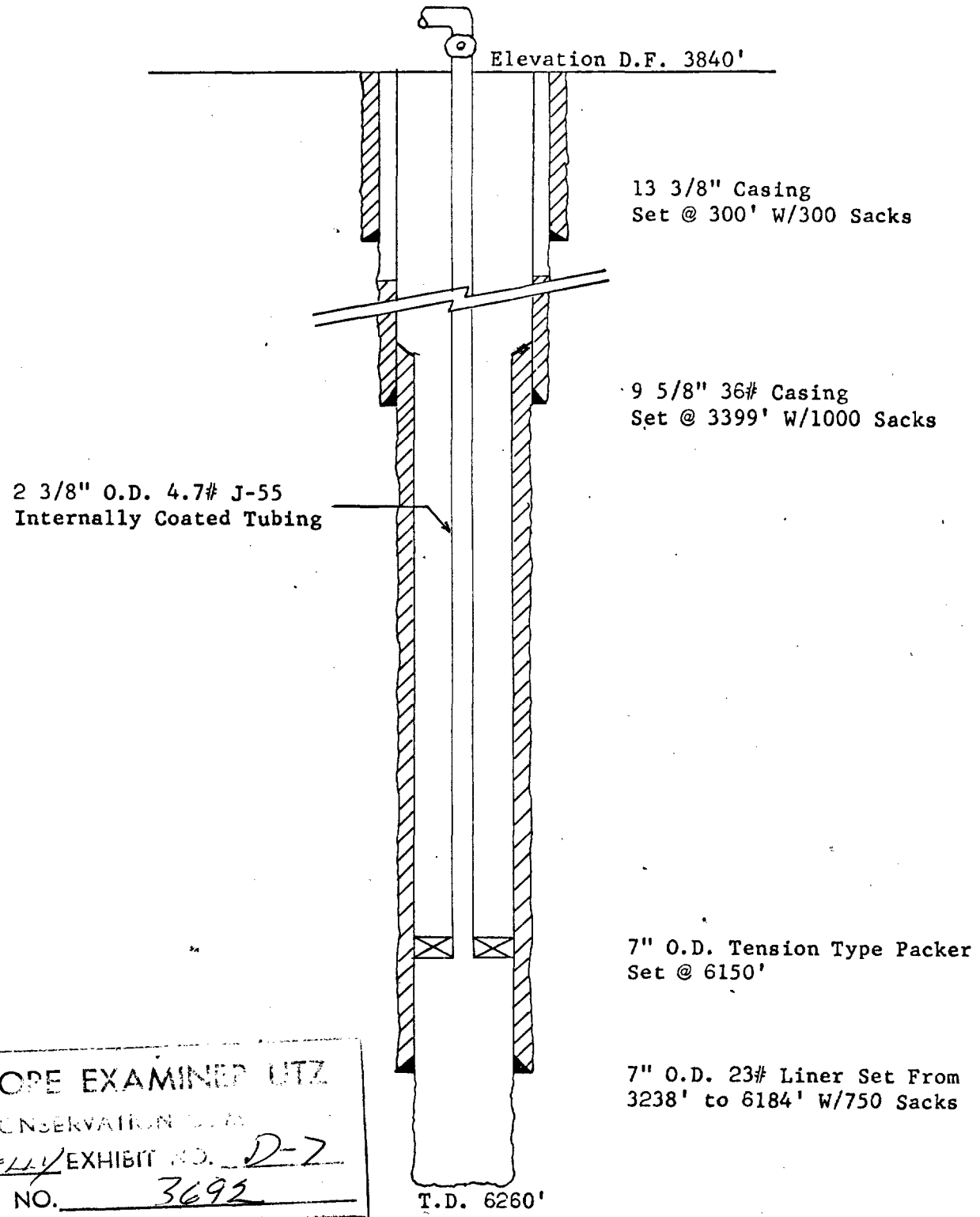
5 1/2" O.D. Tension Type Packer
Set @ 6075'

5 1/2" O.D. 15.5 & 17 Lb. Casing
Set @ 6105' W/500 Sacks.

T.D. 6248'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
SKETCH EXHIBIT NO. D-6
CASE NO. 3692

SKELLY OIL COMPANY
LOVINGTON PADDOCK UNIT WELL NO. 80
1650' FN & EL's, SECTION 12, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO



BEFORE EXAMINED UTZ
OIL CONSERVATION DIV.
SKELLY EXHIBIT NO. D-7
CASE NO. 3692

LOVINGTON PADDOCK UNIT
WATER INJECTION EXPANSION

CASING PROGRAM

UNIT WELL NO.	CASING		CEMENT SACKS USED	TOP OF CEMENT	METHOD OF DETERMINING CEMENT TOPS
	SIZE	DEPTH			
4	8 5/8"	2110'	975 Sxs	Surface	Visual
	5 1/2"	6130'	465 Sxs	3891'	Temp. Survey
6	9 5/8"	3145'	1800 Sxs	Surface	Visual
	5 1/2"	6118'	475 Sxs	3974'	Temp. Survey
8	13 3/8"	323'	350 Sxs	Surface	Visual
	9 5/8"	4705'	2700 Sxs	Surface	Calculated (1)
	7"	6270'	450 Sxs	3621'	Calculated (1)
44	13 3/8"	286'	325 Sxs	Surface	Visual
	8 5/8"	4694'	2150 Sxs	Surface	Visual
	5 1/2"	8875'	740 Sxs	3250'	Survey
70	8 5/8"	1921'	900 Sxs	Surface	Visual
	5 1/2"	6131'	200 Sxs	4900'	Temp. Survey
73	13 3/8"	296'	300 Sxs	Surface	Calculated (1)
	8 5/8"	3747'	1500 Sxs	1145'	Survey
	5 1/2"	6105'	500 Sxs	3426'	Survey
80	13 3/8"	300'	300 Sxs	Surface	Visual
	9 5/8"	3399'	1000 Sxs	573'	Calculated (1)
	7" Liner 3238' to	6184'	750 Sxs	3238'	Visual

(1) Tops calculated using 1.18 cubic feet per sack of cement and 75% fill efficiency.

BOB/bh

BEFORE RE-AM
OIL CONSERVATION
SKELLY EXHIBIT *D-8*
CASE NO. 3693

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator **SKELLY OIL COMPANY**

Pool **LEA**

County **LEA**

Address **P. O. BOX 730, HOBBS, NEW MEXICO**

Livingston Paddock, N.M.

Completion Special

WELL NO.	U	LOCATION			DATE OF TEST	DAYS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL
		S	T	R							WATER BBL.	GRAV. OIL BBL.	GAS M.C.F.	
25	H	31	16	37	2-13-67	P	-	38	24	3	32	21	31	1476
25	A	21	16	37	2-15-67	P	-	29	24	3	32	19	32	1684
1	L	25	16	37	4-1-67	P	-	8	24	0	32	7	13	1857
2	L	25	16	36	4-7-67	P	-	5	24	4	32	5	7	1400
3	L	25	16	36	4-14-67	P	-	3	24	4	32	3	7	1333
4	L	25	16	35	3-1-67	P	-	6	24	0	31	6	13	2167
5	L	25	16	35	3-2-67	P	-	3	24	1	31	4	12	3000
6	L	25	16	35	3-3-67	P	-	7	24	0	31	6	14	2333
7	L	25	16	35	4-1-67	P	-	2	24	0	31	7	13	1857
8	L	25	16	35	4-13-67	P	-	8	24	1	31	5	12	2000
9	L	25	16	37	4-17-67	P	-	7	24	2	30	6	15	2500
10	L	25	16	37	4-14-67	P	-	7	24	1	30	7	17	286
11	L	25	16	35	3-6-67	P	-	5	24	0	30	5	13	2800
12	L	25	16	36	3-7-67	P	-	8	24	1	30	7	11	1571
13	L	25	16	35	4-18-67	P	-	4	24	1	30	5	12	2400
14	L	25	16	36	3-9-67	P	-	7	24	0	30	7	12	2143
15	L	25	16	36	3-8-67	P	-	8	24	0	30	7	12	1714
16	L	25	16	36	3-13-67	P	-	6	24	3	30	6	7	1167
17	L	25	16	36	3-14-67	P	-	5	24	3	30	5	8	1600
18	L	25	16	37	3-10-67	P	-	5	24	0	30	4	9	2250
19	L	25	16	37	3-15-67	P	-	7	24	0	30	7	11	1571

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.
Charles J. Love
Charles J. Love (Signature)
DISTRICT ENGINEER

Oil Conservation Commission
BEFORE EXAMINER UTZ
SKELLY EX-110
CASE NO. 3693
MAY 2, 1967 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator SKELLY OIL COMPANY

Pool

LOVINGTON PADDOCK

County

LEA

P. O. BOX 730, HOBBS, NEW MEXICO

TYPE OF TEST - (ix)

Scheduled 6/7

Completion

Special

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 BBL'S.	GRAV. OIL BBL'S.	GAS M.C.F.	CU.FT./BBL	
LOVINGTON PADDOCK UNIT C&D	56	F	6	17	37	4-3-67P	-	5	24	1	30	5	19	3800	
	57	E	6	17	37	4-4-67P	-	11	24	0	30	6	20	3333	
	58	H	1	17	36	4-6-67P	-	10	24	1	30	7	22	3143	
	59	G	1	17	36	4-7-67P	-	7	24	2	30	7	25	3571	
	60	F	1	17	36	3-20-67P	-	17	24	0	31	11	13	1182	
	61	E	1	17	36	3-21-67P	-	6	24	2	31	6	7	1167	
	63	L	1	17	36	3-23-67P	-	10	24	2	31	6	14	2573	
	65	J	1	17	36	4-5-67P	-	5	24	0	31	5	15	3000	
	67	L	6	17	37	4-20-67P	-	9	24	17	31	9	13	1444	
	68	M	6	17	37	3-27-67P	-	11	24	0	31	8	5	625	
	70	N	1	17	37	3-28-67P	-	2	24	0	31	8	9	1125	
	71	P	1	17	36	4-10-67P	-	2	24	3	31	7	6	857	
	72	M	1	17	36	4-11-67P	-	9	24	2	31	9	44	6881	
	73	N	1	17	36	4-12-67P	-	9	24	4	31	4	47	5224	
	74	O	2	17	37	4-13-67P	-	5	24	2	32	6	15	1571	
	76	B	12	17	36	4-14-67P	-	23	24	12	32	11	16	109	
	78	D	7	17	37	4-21-67P	-	14	24	3	32	16	9	563	
	79	H	12	17	36	4-17-67P	-	6	24	4	35	6	11	1833	
	80	G	12	17	36	4-18-67P	-	19	24	0	32	11	15	1364	
	81	F	12	17	36	4-19-67P	-	11	24	1	32	11	16	1455	

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

Charles J. Love
 Charles J. Love (Signature)
 DISTRICT ENGINEER

MAY 2, 1967
 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator
SKELLY OIL COMPANY

Pool
LOVINGTON

County
OCEANA

Address
P. O. BOX 730, HOBBS, NEW MEXICO

TYPE OF TEST - (X)
 Scheduled
 May 9 11 55 AM '67 completion

Spec:

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 BBL.S.	GRAV. OIL BBL.S.		GAS M.C.F.
LOVINGTON PADDOCK UNIT Cont'd	25	G	31	16	37	-	-	8	24	1	30	7	15	2143
	26	J	31	16	37	-	-	5	24	0	30	5	14	2800
	28	L	31	16	37	-	-	7	24	0	30	6	14	2333
	31	L	36	16	36	-	-	3	24	1	30	4	13	3250
	32	V	36	16	36	-	-	25	24	0	30	17	100	5882
	33	1	31	16	37	-	-	9	24	4	30	7	12	1500
	35	P	31	16	37	-	-	3	24	0	30	3	11	3667
	36	O	31	16	37	-	-	3	24	0	30	4	9	2250
	37	H	31	16	37	-	-	7	24	4	30	6	32	5333
	38	M	31	16	37	-	-	7	24	2	30	9	21	2333
	39	P	36	16	35	-	-	12	24	0	30	7	19	2714
	40	O	36	16	35	-	-	11	24	0	30	6	11	2110
	41	M	36	16	35	-	-	5	24	0	30	4	13	3233
	42	M	36	16	35	-	-	11	24	1	30	9	42	4714
	43	P	36	16	35	-	-	5	24	5	30	6	5	833
	46	D	1	17	36	-	-	12	24	1	31	9	14	1567
	48	B	1	17	36	-	-	7	24	0	31	8	21	2625
	50	D	1	17	37	-	-	12	24	0	31	11	25	2273
	52	B	1	17	37	-	-	7	24	0	30	7	26	3714
	53	A	6	17	37	-	-	12	24	0	30	9	21	2333
	54	H	6	17	37	-	-	3	24	0	30	6	22	3667
	55	G	6	17	37	-	-	7	24	4	30	6	19	3167

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

Charles J. Love
 Charles J. Love (Signature)
 DISTRICT ENGINEER

(Title)
 MAY 2, 1967
 (Date)

R-36-E

R-37-E



LOVINGTON PADDOCK UNIT
LEA COUNTY, NEW MEXICO

LEGEND

PROPOSED WATER INJECTION



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
 SKELLUM EXHIBIT NO. *C*
 CASE NO. *3692*

