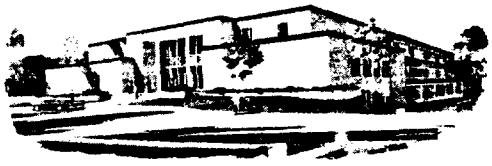
State of New Mexico #3538



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

October 5, 1990

Texaco USA
Producing Department
Midland Division
P.O. Box 3109
Midland, TX 79702

Attn: S. G. Snyder

Re: Skelly Penrose "A" Unit
Secondary Recovery Unit
Lea County, New Mexico
1990 Plan of Development

Dear Mr. Snyder:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the Skelly Penrose "A" Unit. Our approval is subject to like approval by all other appropriate agencies. Please forward to this office current copies of both Exhibits A & B.

The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES

BY: Floyd O. Prando
Floyd O. Prando, Director
Oil, Gas & Minerals Division

cc: OCD
Unit Corresp.
Unit POD

#3538

March 23, 1990

District Supervisor
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: **SKELLY PENROSE "A" UNIT**
SECONDARY RECOVERY UNIT
LEA COUNTY, NEW MEXICO

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operations of the Skelly Penrose "A" Unit, Lea County, New Mexico, Texaco Inc. respectfully submits, for your approval a report of past operations and a plan of development and operations for the subject waterflood unit for the year of 1990. Enclosed for your convenience are monthly operating reports for 1989, a production plot, a well status list, a map of the unit and a copy of Exhibit "B" from the Unit Operating Agreement.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September of 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August of 1974, with the installation of a fourth injection pump at the injection plant. Currently, there are 33 active producers, 23 active injectors, and 9 wells not in operation.

Cumulative oil production from the Unit since unitization was 4,565,139 barrels through December 1989. Cumulative water injection through December of 1989 was 47,202,537 barrels. Average daily production for the unit for the month of December 1989, was 248 BOPD and 2666 BWPD. Daily injection was 4117 BWPD at 1940 psig.

In 1989, workovers were performed on Well Nos. 5 and 42. A casing leak was repaired in the Skelly Penrose 'A' Unit #68.

PLANS FOR 1990

The proposed plan of development for 1990 is to monitor and optimize unit production efficiently. This will be accomplished through equipment modifications and well workovers as necessary. Wells deemed ineffective will be plugged and abandoned.

Yours very truly,

Texaco Inc.

S. G. Snyder
Portfolio Manager

MOS/srt
Attachment

file
chrono

TEXACO PRODUCING INC.

MIDLAND DIVISION HOBBS DISTRICT MONTH ENDING 01-01-90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
	(2) JOINTLY OWNED AND OPERATED BY TEXACO						
		252	PM			22208300	3002528808
		253	PM			22208400	3002529655
		254	PM			22208500	3002529657
		255	PM			22208600	3002529588
		256	PM			22208700	3002529589
		257	TR-O	UNECON. TO PROD	04-27-89	22208800	3002529587
69	SIMS "A", ELLEN 333000061070069 31813800 TEXACO WI = 98.4896700	1	PM			22208900 22208900 22208900 22208900	3002524469
		2	PM			22209000	3002524589
302	SIMS 'TN', R R 333000061080306 TEXACO WI = 50.0000000	1	FL			22209100 22209100 22209100	3002530483
71	SKELLY PENROSE 'A'UNIT 3330000610700/1 31097800 TEXACO WI = 85.9193500	1	PM			22209200 22209200 22209200 22209200	3002510581
		2	INJ			22209300	3002510583
		3	PM			22209400	3002510562
		4	SI-INJ			22209500	3002510561
		5	PM			22209600	3002510560
		6	SI-INJ	NO REASON GIVEN	05-25-89	22209700	3002510554
		7	TR-O	UNECON TO PROD.	03-10-87	22209800	3002510559

TEXACO PRODUCING INC.

MIDLAND DIVISION HOBBS DISTRICT MONTH ENDING 01-01-90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
(2) JOINTLY OWNED AND OPERATED BY TEXACO							
		8	SI-INJ	NO REASON GIVEN	05-25-89	22209900	3002510555
		9	PM			22210000	3002510563
		10	INJ			22210100	3002510564
		11	PM			22210200	3002510584
		13	SI-INJ	POOR CASING	09-18-86	22210300	3002510601
		15	PM			22210400	3002510605
		16	PM			22210500	3002510625
		17	INJ			22210600	3002510624
		18	SI-O			22210700	3002510613
		20	PM			22210800	3002510618
		21	INJ			22210900	3002510619
		22	PM			22211000	3002510603
		23	INJ			22211100	3002510611
		24	PM			22211200	3002510598
		25	PM			22211300	3002510600
		26	INJ			22211400	3002510597
		27	PM			22211500	3002510607
		28	INJ			22211600	3002510608
		29	PM			22211700	3002510615
		30	INJ			22211800	3002510614
		31	SI-O			22211900	3002510628
		32	SI-INJ			22212000	3002510616

TEXACO PRODUCING INC.

MIDLAND DIVISION HOBBS DISTRICT MONTH ENDING 01 01-90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
		(2) JOINTLY OWNED AND OPERATED BY TEXACO					
		33	PM			22212100	3002510623
		34	INJ			22212200	3002510622
		35	PM			22212300	3002510621
		36	INJ			22212400	3002510620
		37	PM			22212500	3002510609
		38	INJ			22212600	3002510595
		39	PM			22212700	3002510604
		40	INJ			22212800	3002510599
		41	PM			22212900	3002510694
		42	INJ			22213000	3002510706
		43	PM			22213100	3002510702
		44	INJ			22213200	3002510703
		45	PM			22213300	3002510691
		46	INJ			22213400	3002510692
		47	PM			22213500	3002510682
		48	INJ			22213600	3002510693
		49	PM			22213700	3002510705
		50	INJ			22213800	3002510704
		51	PM			22213900	3002510696
		52	INJ			22214000	3002510695
		53	INJ			22214100	3002510698
		54	PM			22214200	3002510699

TEXACO PRODUCING INC.

MIDLAND DIVISION HOBBS DISTRICT MONTH ENDING 01-01 90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
		(2) JOINTLY OWNED AND OPERATED BY TEXACO					
		55	INJ			22214300	3002510701
		56	PM			22214400	3002510681
		57	INJ			22214500	3002510678
		58	PM			22214600	3002510680
		59	INJ			22214700	3002510679
		60	PM			22214800	3002510700
		61	INJ			22214900	3002523082
		62	PM			22215000	3002510610
		63	PM			22215100	3002524685
		64	PM			22215200	3002524773
		65	PM			22215300	3002524819
		66	PM			22215400	3002524820
		68	PM		10-16-89	22215500	3002530167
39	STATE 'C' COM 333000061070039 71208400 TEXACO WI = 50.0000000	1	OD		11-30-89	22215600 22215600 22215600 22215600	3002504831
300	STATE 'A' 333000061040033 00521600 TEXACO WI = 25.0000000	4	NG			22215700 22215700 22215700 22215700	3002504567
40	STATE 'AF' COM 333000061070040 01949801	1	NG			22215800 22215800 22215800	3002506656

SUB AREA 6107 EUNICE OIL CENTER SUB-AREA

INC.

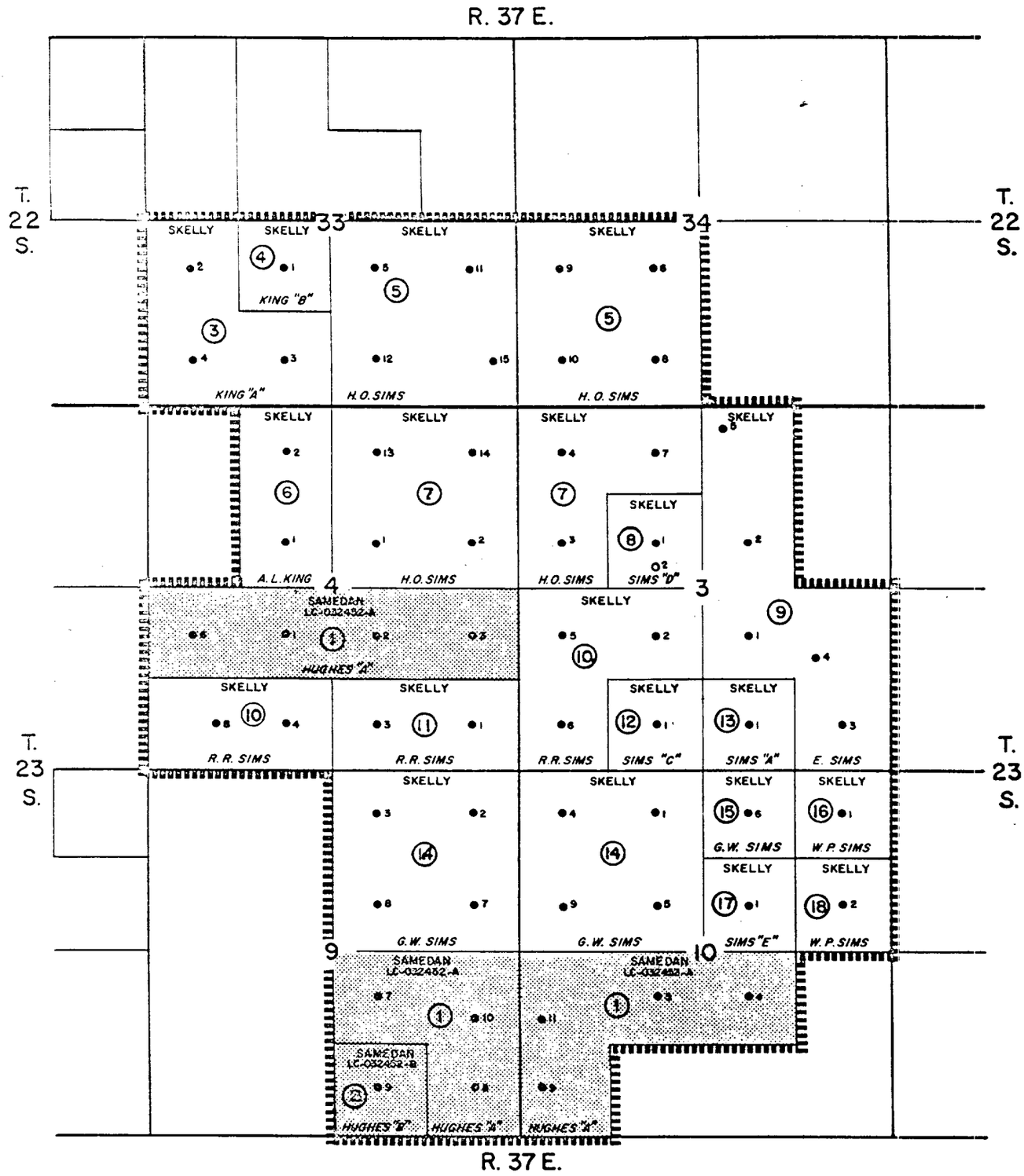
MONTHLY OPERATIONS REPORT

PROJECT-107071
FIELD-LANGLIE MATTIX
COUNTY-LEA STATE-NEW MEXICO
OPERATOR-TEXACO PRODUCING INC.

SKELLY PENROSE A UNIT

EFFECTIVE DATE OF UNIT 5/1/67
WATER INJECTION BEGAN 11/1/67
CUM OIL FOR PROJECT PRIOR TO 5/1/67
4165384 BARRELS
TOTAL ACRES UNITIZED-2426.85

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ALLOWABLE	286	254	286	288	273	312	309	285	291	307	299	248
OIL PRODUCTION												
BBLS/MONTH	8861	7115	8874	8630	8478	9361	9591	8848	8738	9513	8970	7698
BBLS/DAY	286	254	286	288	273	312	309	285	291	307	299	248
CUM. SINCE UNIT	4469323	4476438	4485312	4493942	4502420	4511781	4521372	4530220	4538958	4548471	4557441	4565139
CUM. SINCE DISC.	8634707	8641822	8650696	8659326	8667804	8677165	8686756	8695604	8704342	8713855	8722825	8730523
GAS PRODUCTION												
MCF/MONTH	3132	2320	4175	3686	3641	4145	3810	3502	3188	2641	2279	1696
MCF/DAY	101	83	135	123	117	138	123	113	106	85	76	55
CUM. SINCE UNIT	1263152	1265472	1269647	1273333	1276974	1281119	1284929	1288431	1291619	1294260	1296539	1298235
GAS-OIL RATIO (CF/BBL)	353	326	470	427	429	443	397	396	365	278	254	220
WATER PRODUCTION												
BBLS/MONTH	89260	65930	83350	79130	77690	84600	92546	100340	60154	76291	84325	82637
BBLS/DAY	2879	2355	2689	2638	2506	2820	2985	3237	2005	2461	2811	2666
CUM. SINCE UNIT	23584966	23650896	23734246	23813376	23891066	23975666	24068212	24168552	24228706	24304997	24389322	24471959
WATER CUT %	91.0	90.3	90.4	90.2	90.2	90.0	90.6	91.9	87.3	88.9	90.4	91.5
INJECTION												
TOTAL WATER INJECTION												
BBLS/MONTH	148150	107570	137520	132360	115770	110280	130724	141930	132200	142000	135195	127637
BBLS/DAY	4779	3842	4436	4412	3735	3676	4217	4578	4407	4581	4507	4117
CUM. SINCE UNIT	45789351	45896921	46034441	46166801	46282571	46392851	46523575	46665505	46797705	46939705	47074900	47202537
NET WATER INJECTION												
BBLS/MONTH	58890	41640	54170	53230	38080	25680	38178	41590	72046	65709	50870	45000
BBLS/DAY	1900	1487	1747	1774	1228	856	1232	1342	2402	2120	1696	1452
CUM. SINCE UNIT	22204385	22246025	22300195	22353425	22391505	22417185	22455363	22496953	22568999	22634708	22685578	22730578
INJ PRESSURE MAXIMUM	1950	1970	1950	1950	1950	1950	1950	1980	1980	1950	1900	1950
INJ-WITHDRAWAL RATIO	1.50	1.46	1.48	1.50	1.33	1.17	1.27	1.29	1.90	1.65	1.44	1.41
WELL STATUS												
PRODUCERS	33	33	33	33	32	33	33	33	33	33	33	33
INJECTORS	23	23	23	23	20	23	23	23	23	23	23	23
SHUT-IN PRODUCERS	2	2	2	2	3	2	2	2	2	2	2	2
SHUT-IN INJECTORS	5	5	5	5	8	5	5	5	5	5	5	5
RECYCLING INJECTORS	0	0	0	0	0	0	0	0	0	0	0	0
P&A'D WELLS	1	1	1	1	1	1	1	1	1	1	1	1
TO BE RECONDITIONED (TR-O)	1	1	1	1	1	1	1	1	1	1	1	1
WATER SUPPLY WELLS	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL WELLS	65	65	65	65	65	65	65	65	65	65	65	65



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

EXHIBIT "A"

LEGEND

- UNIT AREA
- (1) TRACT NUMBER
- FEE LANDS
- FEDERAL LANDS

SCALE

0' 1320' 2640' 5280'

B.L.C. 4-65

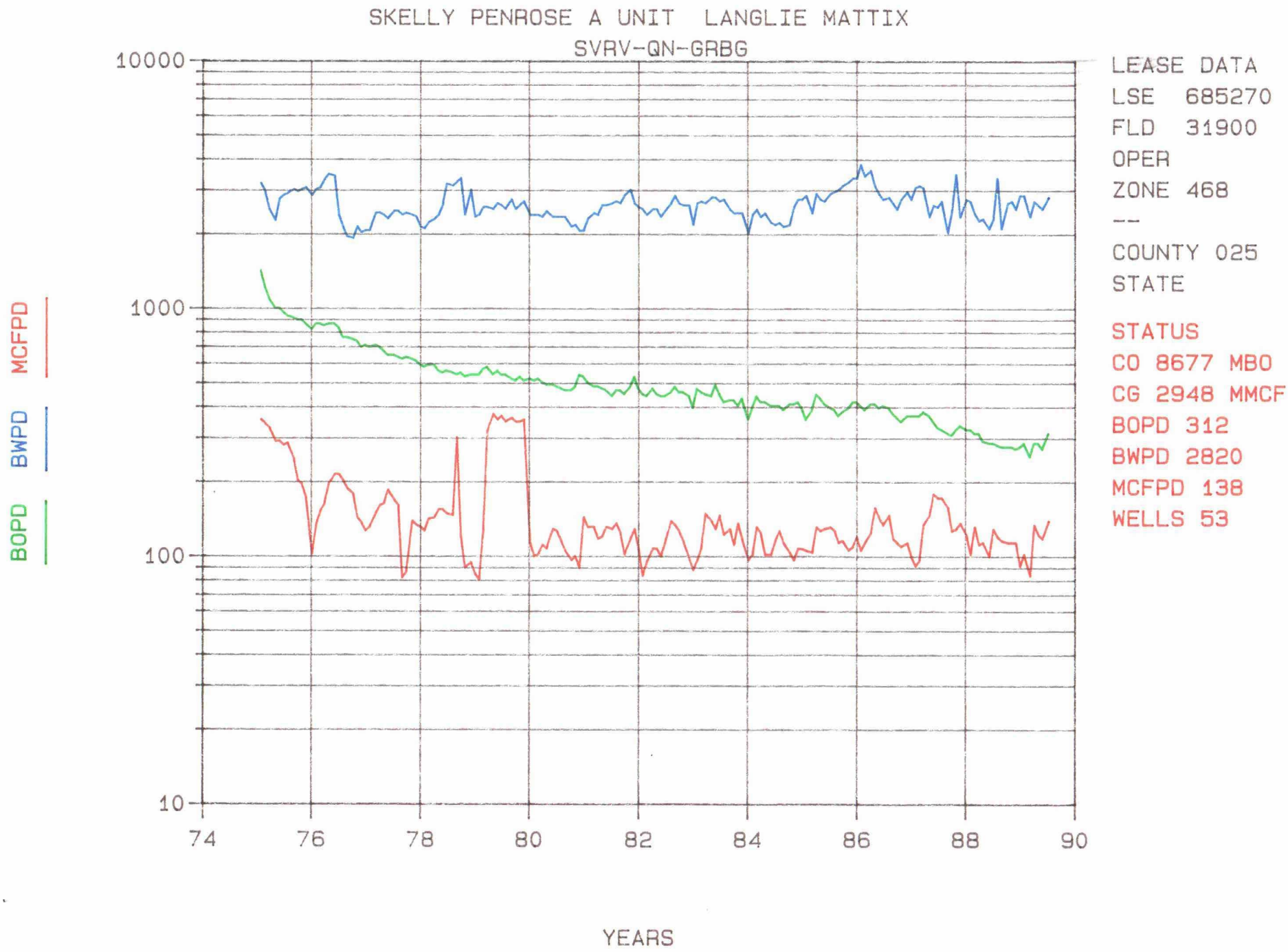

SKELLY PENROSE A UNIT LANGLIE MATTIX
SVRV-QN-GRBG
10000
1000
100
10
74
76
78
80
82
84
86
88
90
YEARS
MCFPD
BWPD
BOPD
LEASE DATA
LSE 685270
FLD 31900
OPER
ZONE 468
--
COUNTY 025
STATE
STATUS
CO 8677 MBO
CG 2948 MMCF
BOPD 312
BWPD 2820
MCFPD 138
WELLS 53

EXHIBIT "B"

SCHEDULE SHOWING TRACT PARTICIPATIONS AND THE PERCENTAGE AND KIND OF OWNERSHIP OF ALL LANDS WITHIN THE SKELLY PENROSE "A" UNIT TOWNSHIPS 22 AND 23 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
					FEDERAL LANDS			
1	T23S-R37E Sec. 4; N/2 S/2 Sec. 9; N/2 SE/4, SE/4 SE/4 Sec. 10; N/2 SW/4, SW/4 SW/4, NW/4 SE/4	440	LC-032452a 6-1-57 H.B.P.	United States of America Schedule "C" Step Scale	Sarah B. Hughes, Firm Royalties, Inc.	Pan American Petroleum Corporation, et al. 13.75000%	Samedan Oil Corporation 100%	12.24001%
2	T23S-R37E Sec. 9; SW/4 SE/4	40	LC-032452b 6-1-57 H.B.P.	United States of America Schedule "B" Sliding Scale	Sarah B. Hughes, Firm Royalties, Inc.	Pan American Petroleum Corporation 3.12500%	Samedan Oil Corporation 100%	0.33031%
	Two (2) Federal Tracts Containing 480 Acres or 19.8% of Unit Area							12.57032%

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
					FEE LANDS			
3	T22S-R37E Sec. 33; W/2 SW/4, SE/4 SW/4	120	4-1-26 H.B.P.	Bertha L. King, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	5.77975%
4	T22S-R37E Sec. 33; NE/4 SW/4	40	9-19-35 H.B.P.	Bertha L. King, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	1.88349%
5	T22S-R37E Sec. 33; SE/4 Sec. 34; SW/4	320	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	11.60675%
6	T23S-R37E Sec. 4; Lot 3, SE/4 NW/4	84.20	4-1-26 H.B.P.	Ralph Lowe, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	3.48831%
7	T23S-R37E Sec. 4; Lots 1 and 2, S/2 NE/4 Sec. 3; Lots 3 and 4, SW/4 NW/4	297.96	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	12.54040%
8	T23S-R37E Sec. 3; SE/4 NW/4	40	12-16-40 H.B.P.	Skelly Oil Company 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	1.96286%
9	T23S-R37E Sec. 3; Lot 2, SE/4 NE/4, N/2 SE/4, SE/4 SE/4	204.69	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	10.15205%

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
FEE LANDS, Continued								
10	T23S-R37E Sec. 4; S/2 SW/4 Sec. 3; W/2 SW/4, NE/4 SW/4	200	4-1-26 H.B.P.	R. R. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	9.67467%
11	T23S-R37E Sec. 4; S/2 SE/4	80	4-1-26 H.B.P.	R. R. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	2.54950%
12	T23S-R37E Sec. 3; SE/4 SW/4	40	5-1-26 H.B.P.	R. R. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	2.70036%
13	T23S-R37E Sec. 3; SW/4 NE/4	40	5-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	3.36709%
14	T23S-R37E Sec. 9; NE/4 Sec. 10; NW/4	320	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	13.88855%
15	T23S-R37E Sec. 10; NW/4 NE/4	40	4-1-26 H.B.P.	Skelly Oil Company 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	1.35304%
16	T23S-R37E Sec. 10; NE/4 NE/4	40	4-1-26 H.B.P.	W. P. Sims, et al. 12.50000%	Skelly Oil Company	Hugh Corrigan III, et al. 3.12500%	Skelly Oil Company 100%	1.83869%

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
FEE LANDS, Continued								
17	T23S-R37E Sec. 10; SW/4 NE/4	40	4-1-26 H.B.P.	The Atlantic Refining Company, et al. 12.50000%	Skelly Oil Company	Hugh Corrigan III, et al. 1.56250% of Skelly's 50%	Skelly Oil Company 50% The Atlantic Refining Company 50%	3.02065%
18	T23S-R37E Sec. 10; SE/4 NE/4	40	4-1-26 H.B.P.	W. P. Sims, et al. 12.50000%	Skelly Oil Company	Hugh Corrigan III, et al. 3.12500%	Skelly Oil Company 100%	1.62352%
	Sixteen (16) Fee Tracts Containing 1946.85 Acres or 80.2% of Unit Area							87.42968%

Skelly Penrose "A" Unit Area Total			
2 Federal Tracts	480.00 Acres	19.8%	12.57032%
16 Fee Tracts	1946.85 Acres	80.2%	87.42968%
TOTAL	2426.85	100.0%	100.00000%

January 11, 1989

#3538

District Supervisor
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: SKELLY PENROSE "A" UNIT
SECONDARY RECOVERY UNIT
LEA COUNTY, NEW MEXICO

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the development and operations of the Skelly Penrose "A" Unit, Lea County, New Mexico, Texaco Inc. respectfully submits, for your approval, a report of past operations and a plan of development and operations for the subject waterflood unit for the year of 1989.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August, 1974, with the installation of a fourth injection pump at the injection plant. Currently, there are 33 active producers, 23 active injectors, and 8 wells not in operation.

Cumulative oil production from the unit since unitization was 4,443,815 barrels as of October 31, 1988. The cumulative water injection as of October 31, 1988, was 45,372,841 barrels. Average daily production for the unit for the month of October, 1988, was 277 BOPD and 2699 BWPD. Daily injection was 4512 BWPD at 1920 psig.

PLANS FOR 1989

Plans for 1989 are to monitor this waterflood for effective and efficient flood operations. Some injection line replacement is also under consideration.

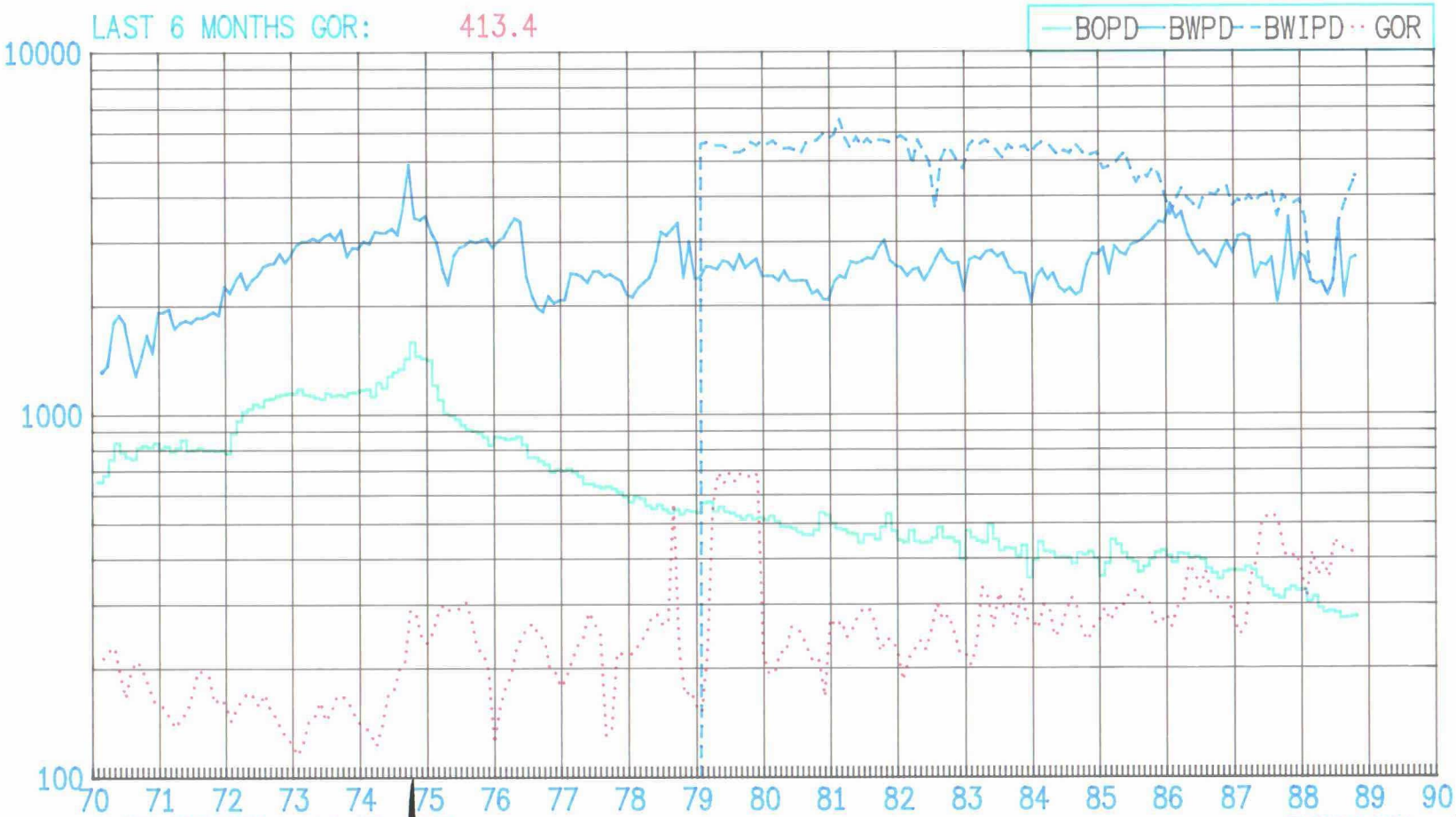
Yours very truly,

PWS:jss

Attachments

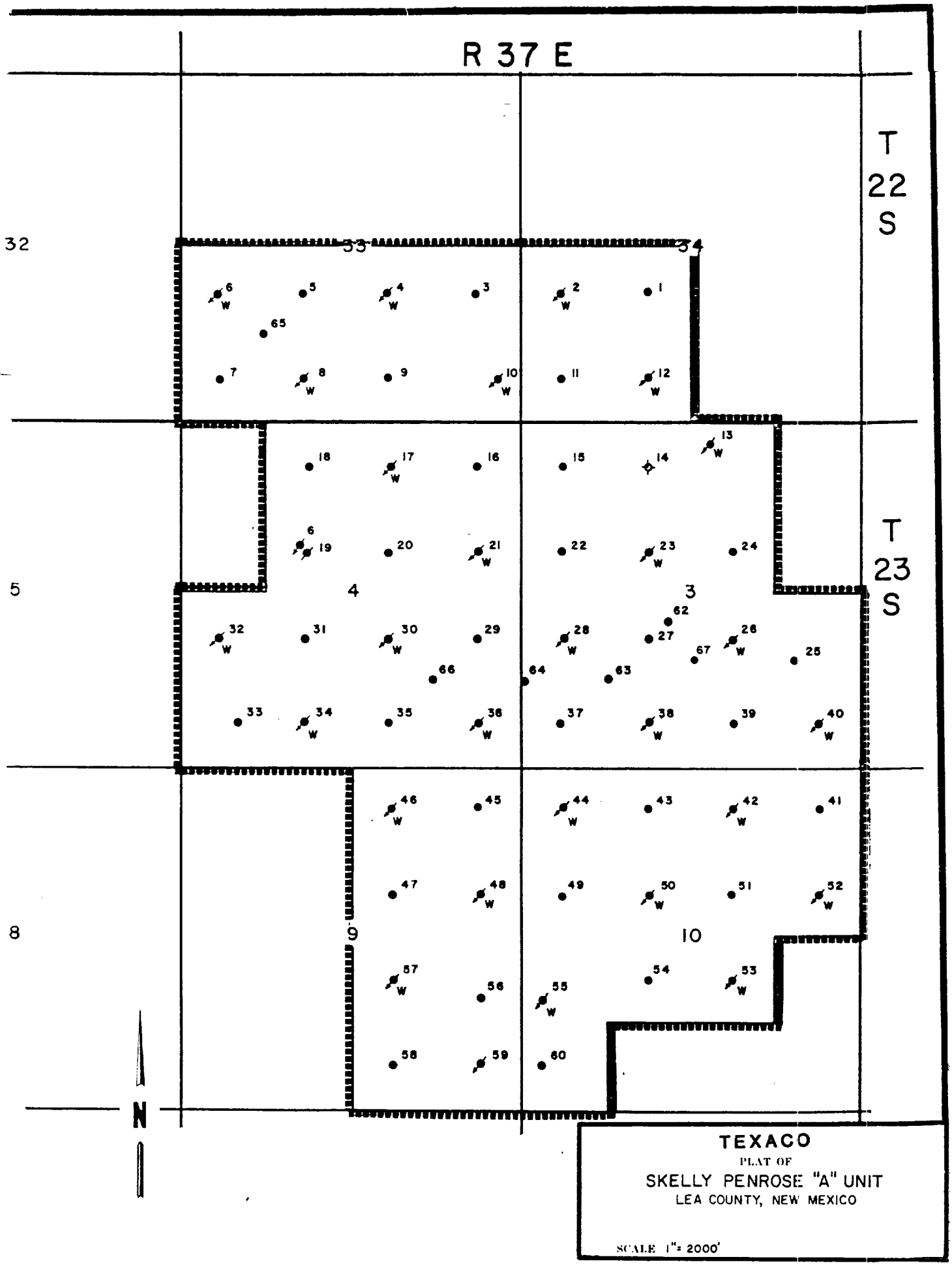
PROPERTY NAME: SKELLY PENROSE A UNIT
FIELD NAME: LANGLIE MATTIX
OPERATOR NAME: TEXACO INC.
PRODUCING WELLS: 33

LAST 6 MONTHS GOR: 413.4



PLOT CREATED: 12 15 1988

ENGR/LOCA: PWS / DST


R 37 E
T 22 S
T 23 S
32
33
34
5
4
3
8
9
10
N
TEXACO
PLAT OF
SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO
SCALE 1"= 2000'

3538

March 7, 1988

District Supervisor
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

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PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August, 1974, with the installation of a fourth injection pump at the injection plant. Currently, there are 32 active producers, 23 active injectors, and 9 wells not in operation.

Cumulative oil production from the unit since unitization was 4,344,792 barrels as of December 1, 1987. The cumulative water injection as of December 1, 1987, was 44,318,481 barrels. Average daily production for the unit for the month of November, 1987, was 334 BOPD and 2,324 BWPD. Daily injection was 3,806 BWPD at 1940 psig.

PLANS FOR 1988

Three infill wells are planned for early 1988. Pending the results of these three wells, more infill wells could be drilled in the latter part of the year. In conjunction with the infill wells is the possibility of converting 6 wells to injection.

Other plans for 1988 include approximately 7000' of injection line replacement and workovers to clean out a number of injectors and producers.

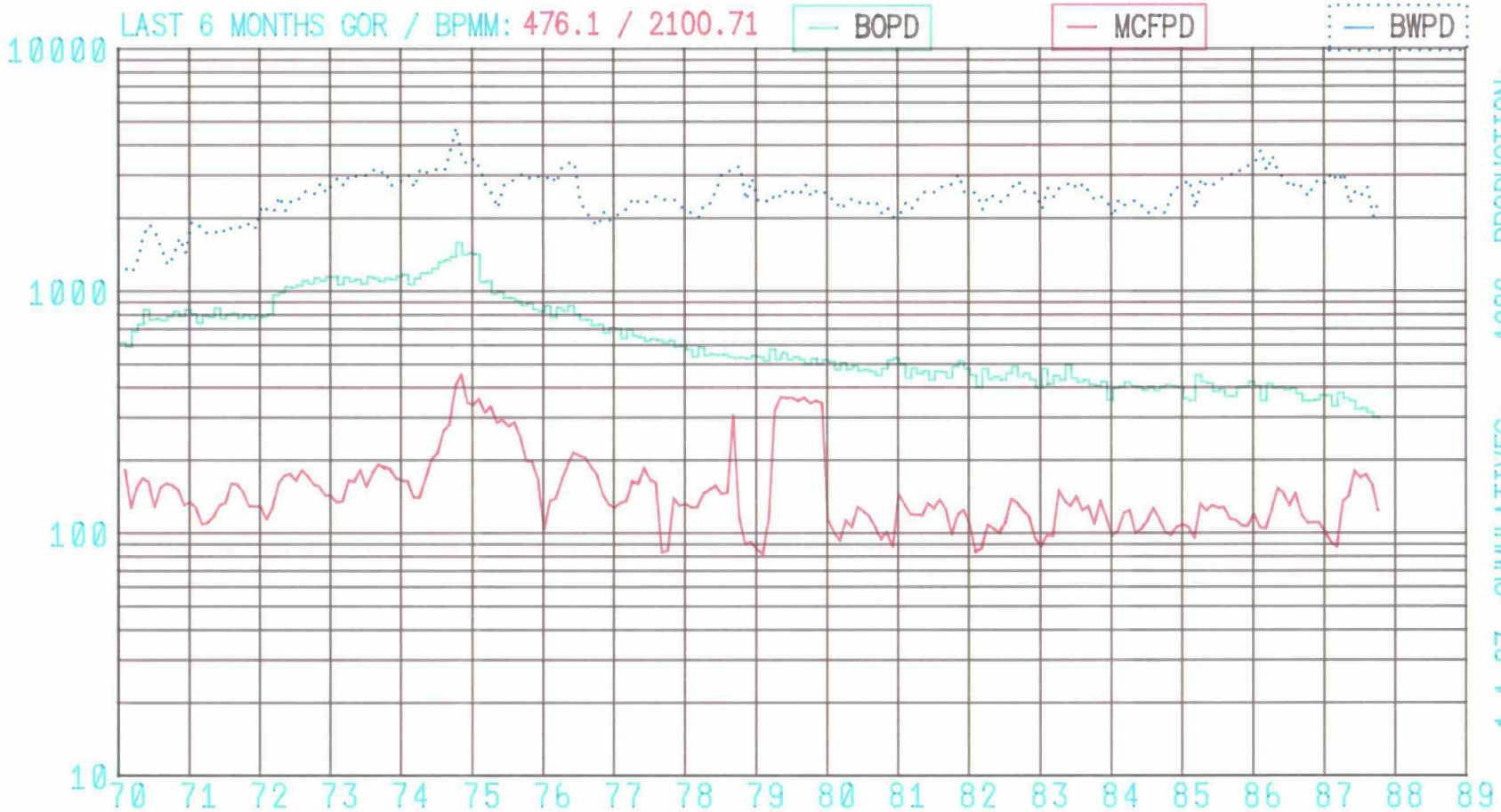
Yours very truly,

PWS:jss

Attachments

PROPERTY NAME: SKELLY PENROSE A UNIT
FIELD NAME: LANGLIE MATTIX 7 RVRS Q GRAYBURG
OPERATOR NAME: TEXACO PRODUCING CO.
PRODUCING WELLS YTD: 34

LAST 6 MONTHS GOR / BPMM: 476.1 / 2100.71

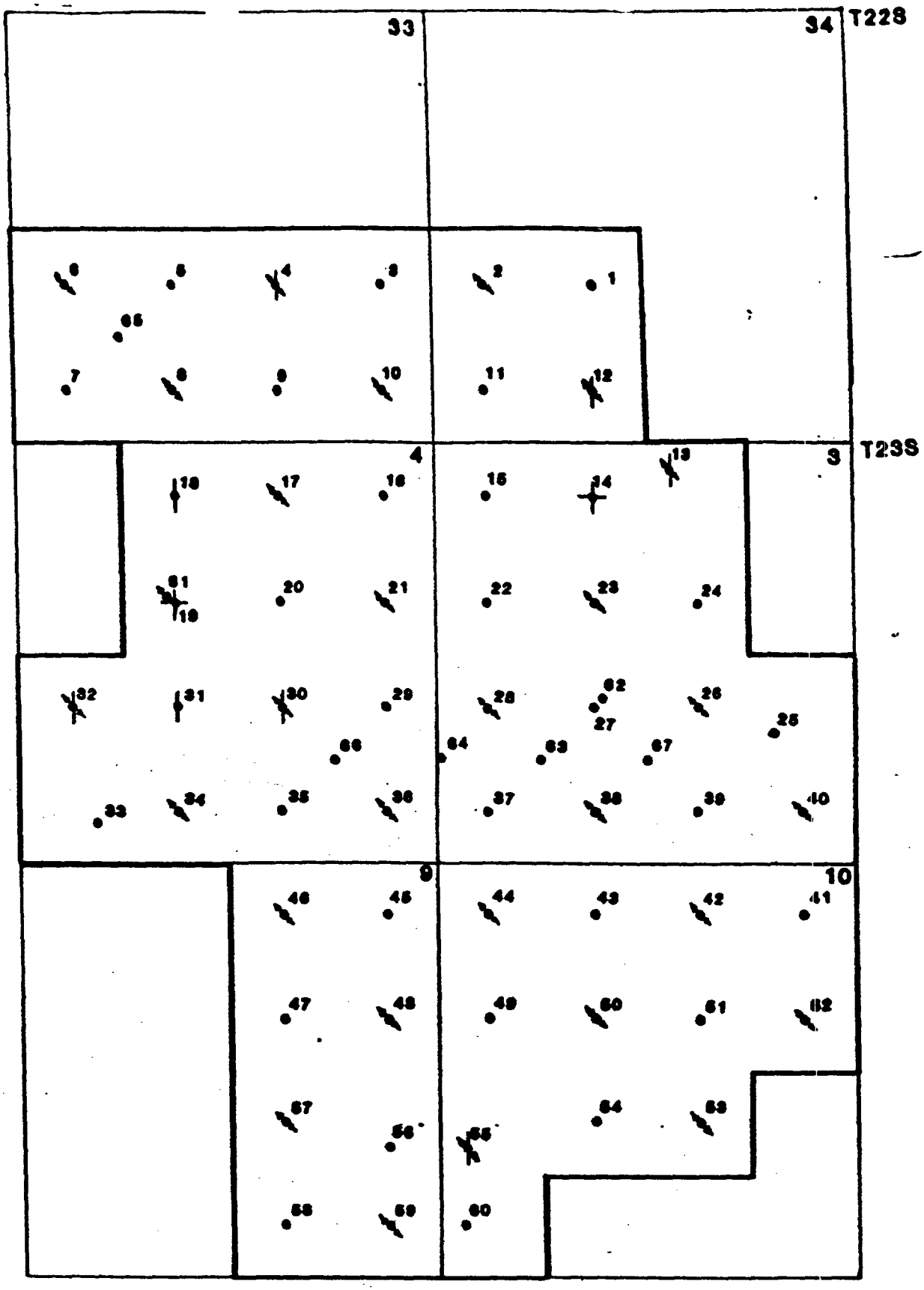


1986 PRODUCTION:
OIL : 141249 BBLS
GAS : 44923 MCF
WAT : 1099585 BBLS

1-1-87 CUMULATIVES:
OIL : 6737.078 MBBLS
GAS : 2175.135 MMCF
WAT : 16001.65 MBBLS

PLOT CREATED: 2 10 1988

ENGR/LOCA: PWS / HBS



SKELLY PENROSE A UNIT

LANGLIE MATTIX POOL

LEA Co., NEW MEXICO

SAMEDAN OIL CORPORATION
2207 WILCO BUILDING
MIDLAND, TEXAS 79704

March 9, 1967

New Mexico Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Attention: Mr. A. L. Porter
Secretary - Director

Gentlemen:

Reference is made to Docket No. 8-67, Case No. 3538, an application of Skelly Oil Company, seeking approval of the Skelly Penrose "A" Unit Area, scheduled for hearing March 15, 1967.

Samedan Oil Corporation, owner of certain working interest in the proposed Unit, by this letter, expresses concurrence and approval of establishing the proposed Skelly Penrose "A" Unit, as defined in the application.

Very truly yours,

SAMEDAN OIL CORPORATION

G. W. Putnam

George W. Putnam
Division Production Superintendent

GWP/apw

IN REPLY REFER TO

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Box 1397, Roswell, New Mexico - 88201

#3538

Skelly Penrose "A" Unit March 30, 1984

Getty Oil Company
Attention: Mr. W. A. Frnka
P.O. Box 730
Hobbs, New Mexico 88240

Gentlemen:

Enclosed is an approved copy of your 1984 Plan of Development and Operation for the Skelly Penrose "A" Unit Area, Lea County, New Mexico, covering the period beginning January 1, 1984 and ending December 31, 1984. This plan, proposing stimulation, frac jobs on several wells including well No. 18 which will be cleaned out and fraced, and closely monitering all wells for waterflows and casing leaks during 1984, was approved this date, subject to like approval by the New Mexico Commissioner of Public Lands and the New Mexico Oil Conservation Division.

Sincerely yours,

S/Richard Bastin

Associate District Manager

Enclosure: (1)

cc: Commissioner of Public Lands, Santa Fe
✓NMOCD, Santa Fe

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102

IN REPLY
REFER TO:

Case 3538

FEB 1 7 1983

Getty Oil Company
Attention: Dale R. Crockett
P. O. Box 730
Hobbs, New Mexico 88240

Gentlemen:

An approved copy of your 1983 plan of development for the Skelly Penrose "A" unit area, Lea County, New Mexico, is enclosed. Such plan, proposing to perform any remedial work that is necessary and to perform stimulation frac jobs on several wells including the #43 and #49, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) ROBERT H. STROTHER

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosure

cc:
NMOCD

MAR 23 1982

OIL CO
SANTA FE

MAR 22 1982

3578

Getty Oil Company
Attention: Dale R. Crockett
P. O. Box 730
Hobbs, New Mexico 88240

Gentlemen:

An approved copy of your 1982 Plan of Development for the Skelly Penrose "A" unit area, Lea County, New Mexico is enclosed. Such plan, proposing to monitor all wells in the unit, picking several for stimulation, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosure

cc:
Comm of Public Lands, Santa Fe
NMOCD, Santa Fe
DS, Roswell (w/encl)

Getty Oil Company

Central Exploration and Production Division
P.O. Box 730
Hobbs, New Mexico 88240

January 11, 1982

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

United States Geological Survey (3)
Conservation Division
P.O. Box 26124
Albuquerque, New Mexico 87125

Oil Conservation Division (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the development and operation of the Skelly Penrose "A" Unit, Lea County, New Mexico, Getty Oil Company respectfully submits, for your approval, a report of past operations and a plan of development and operation for the subject waterflood unit for the year 1981.

Past Operations

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August, 1974, with the installation of a fourth injection pump at the injection plant. Presently, the flood consists of 34 production wells and 29 injection wells.

Cumulative oil production from the unit since unitization was 3,916,653 as of December 1, 1981. The cumulative water injection, as of December 1, 1981, was 36,785,084 bbls. Average daily production for the unit for the month of November, 1981 was 532 BOPD and 2649 BWPD. Daily injection was 5625 at 1800 psi.

In 1981 Skelly Penrose "A" #31 was temporarily abandoned due to severe corrosion problems. Penrose "A" Wells #27 and #51 were fraced with successful results. Also, several wells had rods and tubing replaced, as a result of corrosion. All of the wells were monitored for casing leaks and were repaired as needed.

Plans for 1982

Again in 1982 the Skelly Penrose "A" Unit will be closely monitored for waterflows and casing leaks. Rod and tubing changes will be made on wells experiencing high failure rates. Penrose "A" #33 will be closely watched for

corrosion as it has similar problems to well #31. Also, several wells will be picked for stimulation in 1982.

Injection profiles and temperature surveys will be run on injection wells as needed. After survey results, any corrective measures needed will be taken to improve flood efficiency.

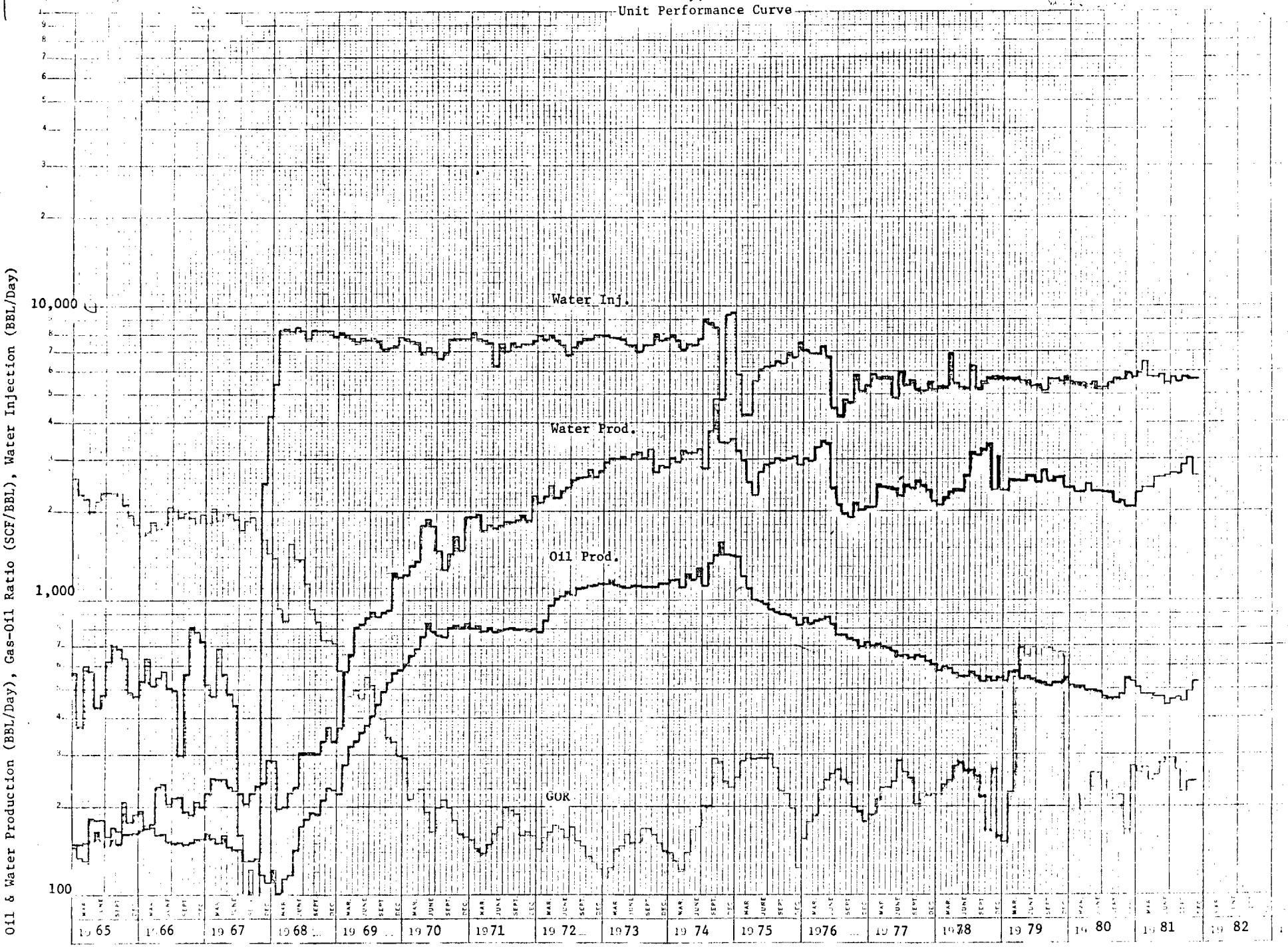
Very truly yours,

GETTY OIL COMPANY

Dale R. Crockett
Area Superintendent

PB
PB/ly

Skelly Penrose "A" Unit
Langlie Mattix Field
Lea County, New Mexico
Unit Performance Curve



OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

February 20, 1981

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Dale R. Crockett

Re: Case No. 3538
Skelly Penrose "A" Unit
1981 Plan of Development
and Operation

Gentlemen:

We hereby approve the 1981 Plan of Development and Operation for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands

COPY

Getty

RECEIVED
FEB 18 1981
OIL CONSERVATION DIVISION
SANTA FE

Getty Oil Company

Getty Exploration and Production Division
P. O. Box 730
Hobbs, New Mexico 88240

January 30, 1981

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Commissioner of Public Lands (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Division (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the development and operation of the Skelly Penrose "A" Unit, Lea County, New Mexico, Getty Oil Company respectfully submits, for your approval, a report of past operations and a plan of development and operation for the subject waterflood unit for the year 1981.

Past Operations

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August, 1974, with the installation of a fourth injection pump at the injection plant. Presently, the flood consists of 35 production wells and 29 injection wells.

Cumulative oil production from the unit since unitization was 3,740,686 bbls. as of December 1, 1980. The cumulative water injection, as of December 1, 1980, was 34,681,299 bbls. Average daily production for the unit for the month of November, 1980, was 542 BOPD and 2100 BWPD. Daily injection was 5940 BWPD at 1800 psi.

In 1980 several wells had waterflow problems. As a result, these wells had cement brought to the surface in order to shut off these waterflows. Also, a few wells had rods and tubing replaced as a result of corrosion. Casing leaks were cemented as needed.

Plans for 1981

In 1981 the Skelly Penrose "A" Unit will be closely monitored for waterflows and casing leaks. Rod and tubing changes will be made on well #33.

Also, wells #27 and #51 will be cleaned out and stimulated. All wells will be watched for continuing corrosion tendencies and treated accordingly.

Injection profiles and temperature surveys will be run on injection wells as needed. After survey results, any corrective measures needed will be taken to improve flood efficiency.

Very truly yours,

GETTY OIL COMPANY

Dale R. Crockett
Area Superintendent

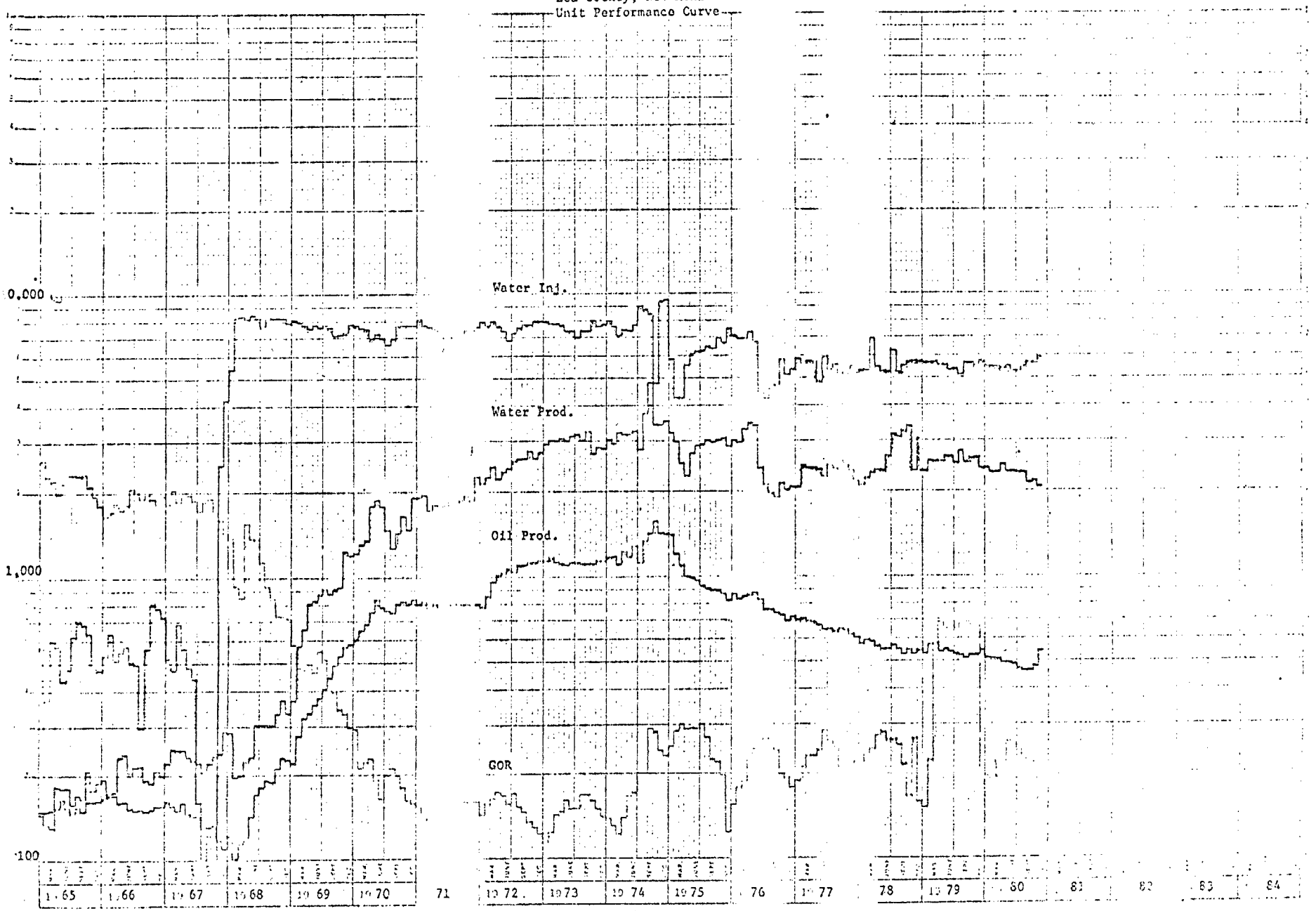
PJB/ly

Approved 2/20 19 81

Director
Oil Conservation Division
Energy and Minerals Department

THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.

Skelly Penrose "A" Unit
Langlie Mattix Field
Lea County, New Mexico
Unit Performance Curve



OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

July 8, 1980

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Dale R. Crockett

Re: Case No. 3538
Skelly Penrose "A" Unit
1980 Plan of Development
and Operation

Gentlemen:

We hereby approve the 1980 Plan of Development and Operation for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/LP/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

3538
OK for
approval
EJP

Getty Oil Company

Central Exploration and Production Division
P. O. Box 730
Hobbs, New Mexico 88240

December 3, 1979

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Commissioner of Public Lands (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

Oil Conservation Division (3)
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the development and operation of the Skelly Penrose "A" Unit, Lea County, New Mexico, Getty Oil Company respectfully submits for your Approval a report of past operations and a plan of development and operation for the subject waterflood unit for the year 1980.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August, 1974, with the installation of a fourth injection pump at the injection plant. Presently, the flood consists of 35 production wells and 29 injection wells.

Cumulative oil production from the unit since unitization was 3,544,045 bbls. as of November 1, 1979. The cumulative water injection as of November 1, 1979, was 32,494,068 bbls. Average daily production for the unit for the month of October was 526 BOPD and 2610 BWPD. Daily injection was 5630 BWPD at 1800 psi.

Over the past few years, the O.C.D. has been using Skelly Penrose "A" #44 and #48 to monitor water flows in the Eunice Area. However, at this time, the O.C.D. has requested that these water flows be shut off and the monitoring of these flows will be discontinued. Therefore, these wells will have cement brought to the surface in order to shut off these water flows.

December 3, 1979

PLANS FOR 1980

Skelly Penrose "A" #18 will be worked over to repair a casing leak. Skelly Penrose "A" Well #63 will be cemented to shut off water channeling. Also, wells #11, #27, and #63 will be closely watched for continuing corrosion tendencies. These wells will be treated for corrosion after recommendations are received and analyzed.

Injection profiles and temperature surveys will be run on injection wells as needed. After survey results, any corrective measures needed will be taken to improve flood efficiency.

Very truly yours,

GETTY OIL COMPANY

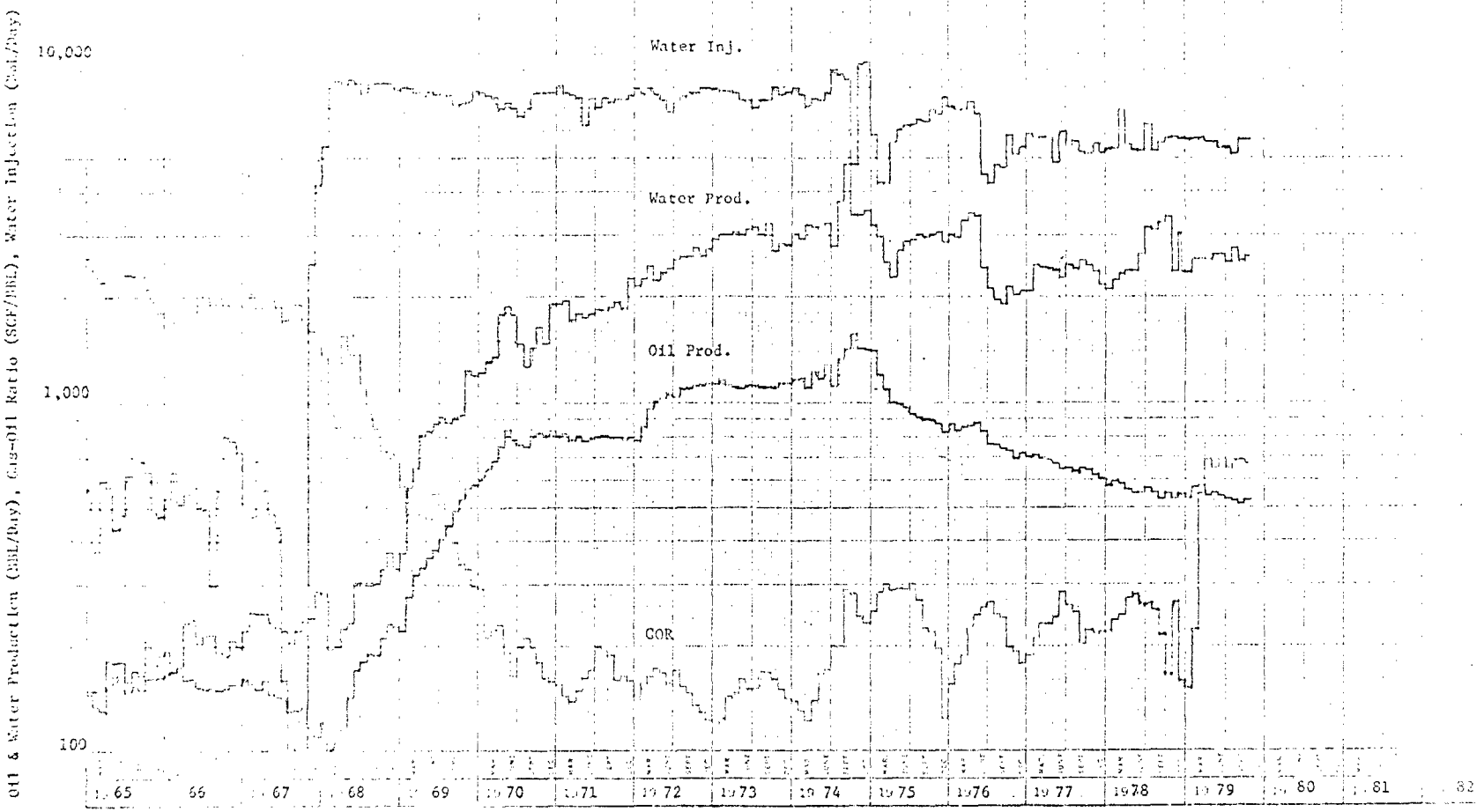
Dale R. Crockett
Area Superintendent

PJB/de

Approved 7/9 80

Director
Oil Conservation Division
Energy and Minerals Department

Skelly Penrose "A" Unit
Langlie Mattix Field
Lea County, New Mexico
Unit Performance Curve



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

DEC 18 1978

Getty Oil Company
Attention: Audra B. Cary
P. O. Box 730
Hobbs, New Mexico 88240

no. 3538

Gentlemen:

On this date, your 1979 plan of development and operation for the Skelly Penrose "A" unit area, Lea County, New Mexico, wherein you propose to continue present operations of the flood pattern into 64 wells was approved. Such approval is subject to like approval by the appropriate State officials.

One approved copy is enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SRMA

Enclosure

cc:
NMOCD, Santa Fe (ltr. only) This Copy for
Com. Pub. Lands, Santa Fe (ltr. only)

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

December 15, 1978

Getty Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Audra B. Cary

Re: Case No. 3538
Skelly Penrose "A" Unit
1979 Plan of Development

Gentlemen:

We hereby approve the 1979 Plan of Development for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/LT/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

COPY

Getty

NOV 13 1978

Getty Oil Company

Central Exploration and Production Division
P. O. Box 730
Hobbs, New Mexico 88240

November 1, 1978

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Director (3)
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88210

Oil Conservation Commission of
The State of New Mexico (3)
Capitol Annex Building
Santa Fe, New Mexico 87501

Approve

All Working Interest Owners

no. 3538

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico, Getty Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the subject waterflood unit for the year 1979.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full scale waterflood operations. Injection into twenty-four (24) additional converted wells commenced in September and October, 1967. Well No. 59 was converted to injection in June, 1974. Injection facilities were expanded in August, 1974, by installation of a fourth pump at the injection plant. Since December 6, 1974, injection has been at reduced rate by order of N.M.O.C.C. due to waterflows in the area. Oil production since then has gradually declined to the present level.

Cumulative oil production from the unit since unitization was 3,313,295 barrels on September 1, 1978. The average daily producing rate during August, 1978, was 536 barrels of oil and 3243 barrels of water.

As of September 1, 1978, remedial work has been completed on Unit Wells No. 31, 40, 45, 48, and 53. A deepening workover is in progress on Well No. 54. Plans call for cleaning out Wells No. 3 and 31 and completing them in the proper pay zone. Also, Well No. 9 will be cleaned out and frac treated. Injection Wells No. 8, 10, and 17 will be resurveyed and remedial action will be taken as needed. All the above is expected to be completed by the end of this year.

PLANS FOR 1979

Plans are to continue operations under the present flood pattern into the 64 wells presently in service. Injection profiles and temperature surveys will be run on injection wells as needed. After survey results, any corrective measures needed will be taken to improve flood efficiency. After completion of all the workovers, step rate tests will be run on selected injection wells to determine the proper injection rates and pressures.

Very truly yours,

Getty Oil Company

Audra B. Cary

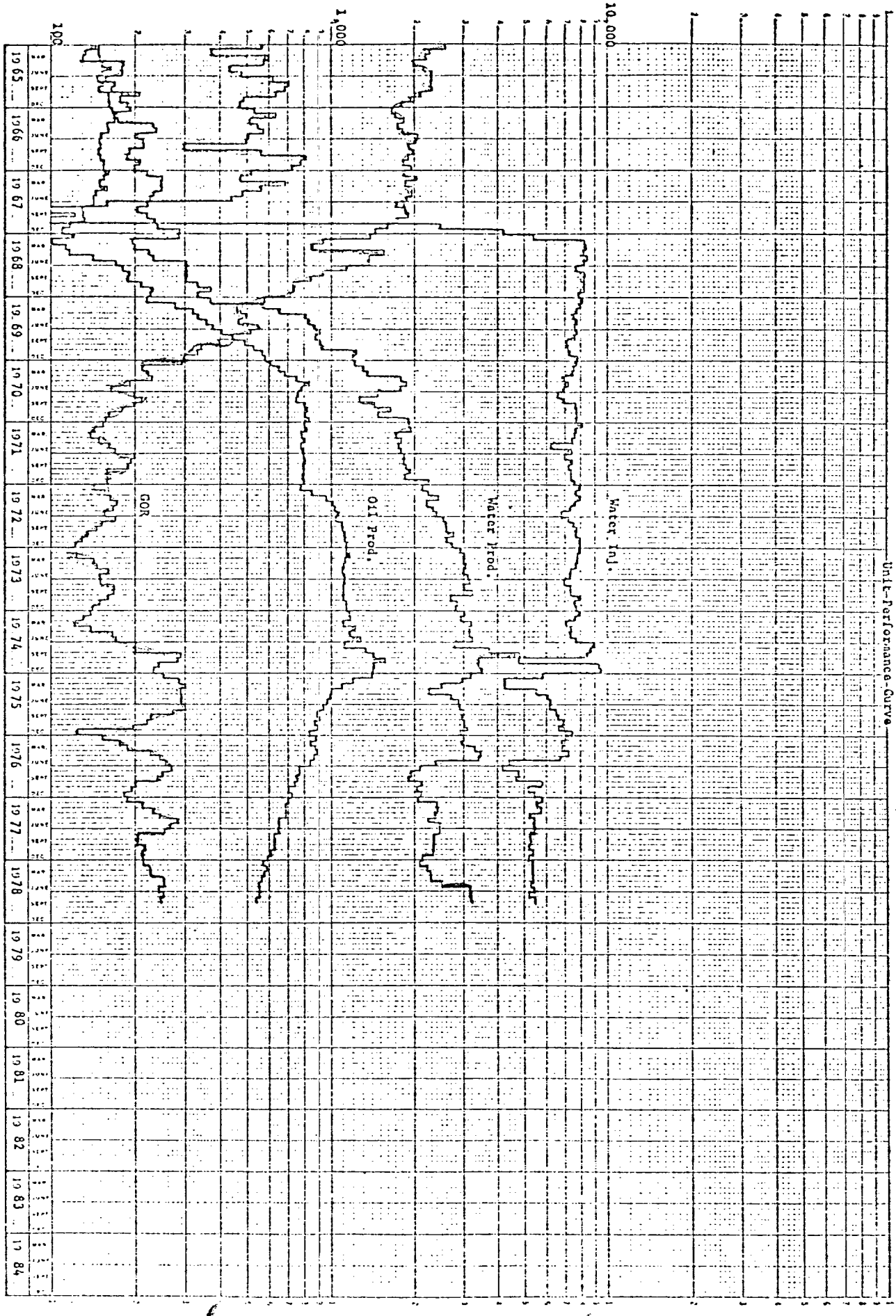
Audra B. Cary, Chairman
Working Interest Owners' Committee

MYM/de

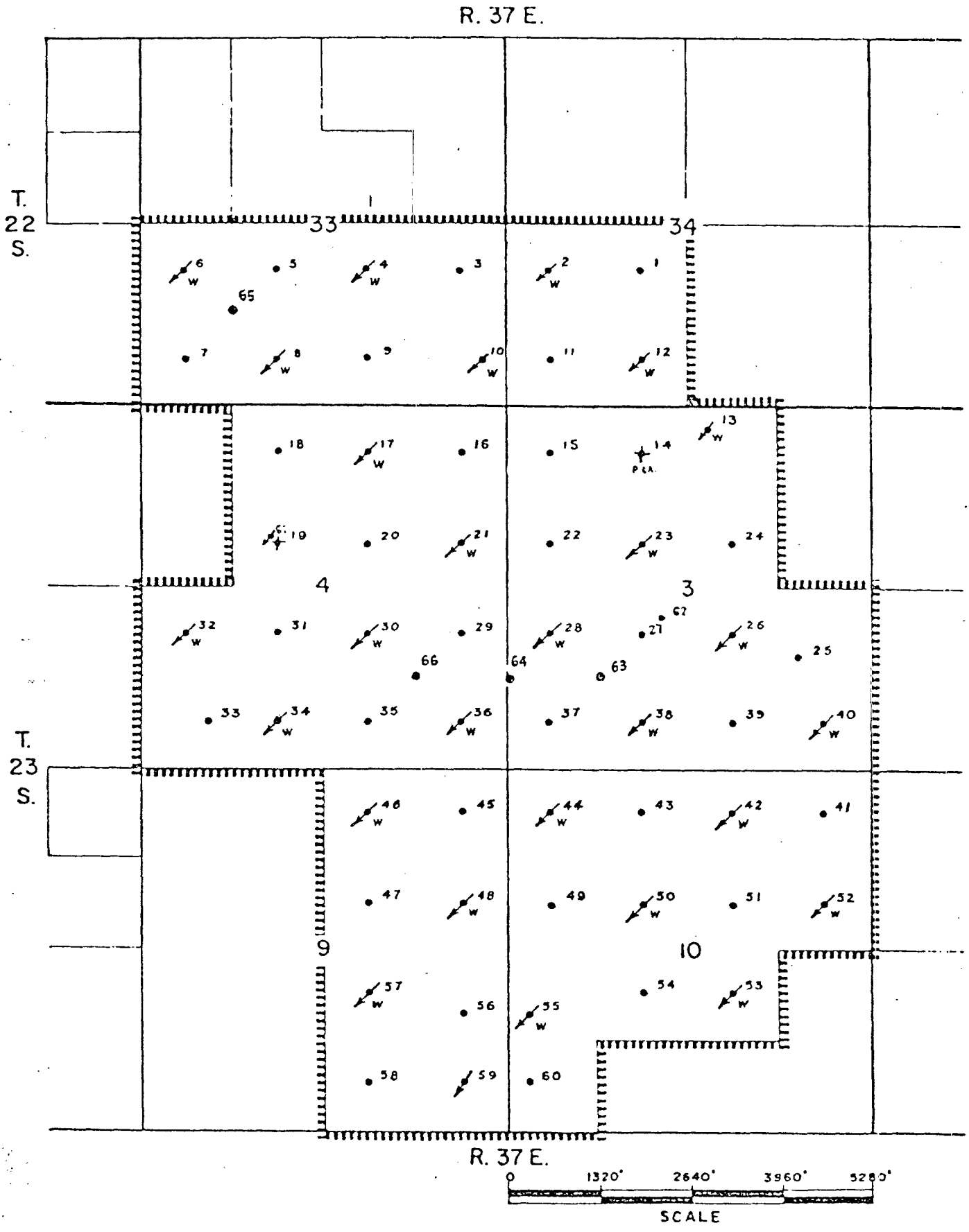
Attachments

K+E 20 YEARS BY MONTHS 47 6843
X 3 LOG CYCLES
KEUFFEL & ESSER CO.

Oil & Water Production (BBL/Day), Gas-Oil Ratio (SCF/BBL), Water Injection (BBL/Day)



Skelly Penrose "A" Unit
Langlie Mattix Field
Lea County, New Mexico
Unit-Performance-Curve



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

Conservation Division
P. O. Box 26124
Albuquerque, New Mexico 87125

NOV 28 1977

Getty Oil Company
Attention: Audra B. Cary
P. O. Box 1404
Houston, Texas 77001

Gentlemen:

On this date your 1978 plan of development and operations for the Skelly Penrose "A" Unit Area, Lea County, New Mexico, wherein you propose to: (a) continue under the current waterflood pattern; (b) circulate cement to the surface on all wells not so cemented; and, (c) run injection surveys on all service wells not recently surveyed and take corrective measures as indicated, was approved. This approval is subject to like approval by the appropriate officials of the State of New Mexico.

One approved copy of the 1978 plan is enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

JAMES W. SUTHERLAND
Oil and Gas Supervisor, SRMA

Enclosure

cc:
New Mexico Oil Conservation Commission, Santa Fe (letter only)
Commissioner of Public Lands, Santa Fe (letter only)

#3538

OIL CONSERVATION DIVISION
RECEIVED
'91 MAY 9 06

May 1, 1991

D-
Unit

District Supervisor
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: SKELLY PENROSE "A" UNIT
SECONDARY RECOVERY UNIT
LEA COUNTY, NEW MEXICO

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operations of the Skelly Penrose "A" Unit, Lea County, New Mexico, Texaco Exploration and Production Inc. submits for your approval a report of past operations and a plan of development and operations for the subject waterflood unit for the year of 1991. Enclosed for your convenience are monthly operating reports for 1990, a production plot, a well status list, a map of the unit and a copy of Exhibit "B" from the Unit Operating Agreement.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September of 1967, work began to install injection facilities for full scale waterflood operations. Final flood expansion was completed in August of 1974, with the installation of a fourth injection pump at the injection plant. Currently, there are 33 active producers, 23 active injectors, and 9 wells not in operation.

Cumulative oil production from the Unit since unitization was 4,651,574 barrels through October, 1990. Cumulative water injection through October, 1990 was 48,317,711 barrels. Average daily production for the unit for the month of October 1990, was 264 BOPD and 2620 BWPD. Daily injection was 2620 BWPD at 1650 psig.

In 1990, a workover was performed on injection Well No. 10 for profile modification.

PLANS FOR 1991

The proposed plan of development for 1991 is to monitor and optimize unit production efficiently. This will be accomplished through equipment modifications and well workovers as necessary. Wells deemed ineffective will be plugged and abandoned.

Yours very truly,

Texaco Exploration & Production Inc.

H. C. PATTISON / D. J. Rego

H. C. Pattison
Portfolio Manager

KAR/srt
Attachment

file
chrono

TEXACO INC.

MONTHLY OPERATIONS REPORT

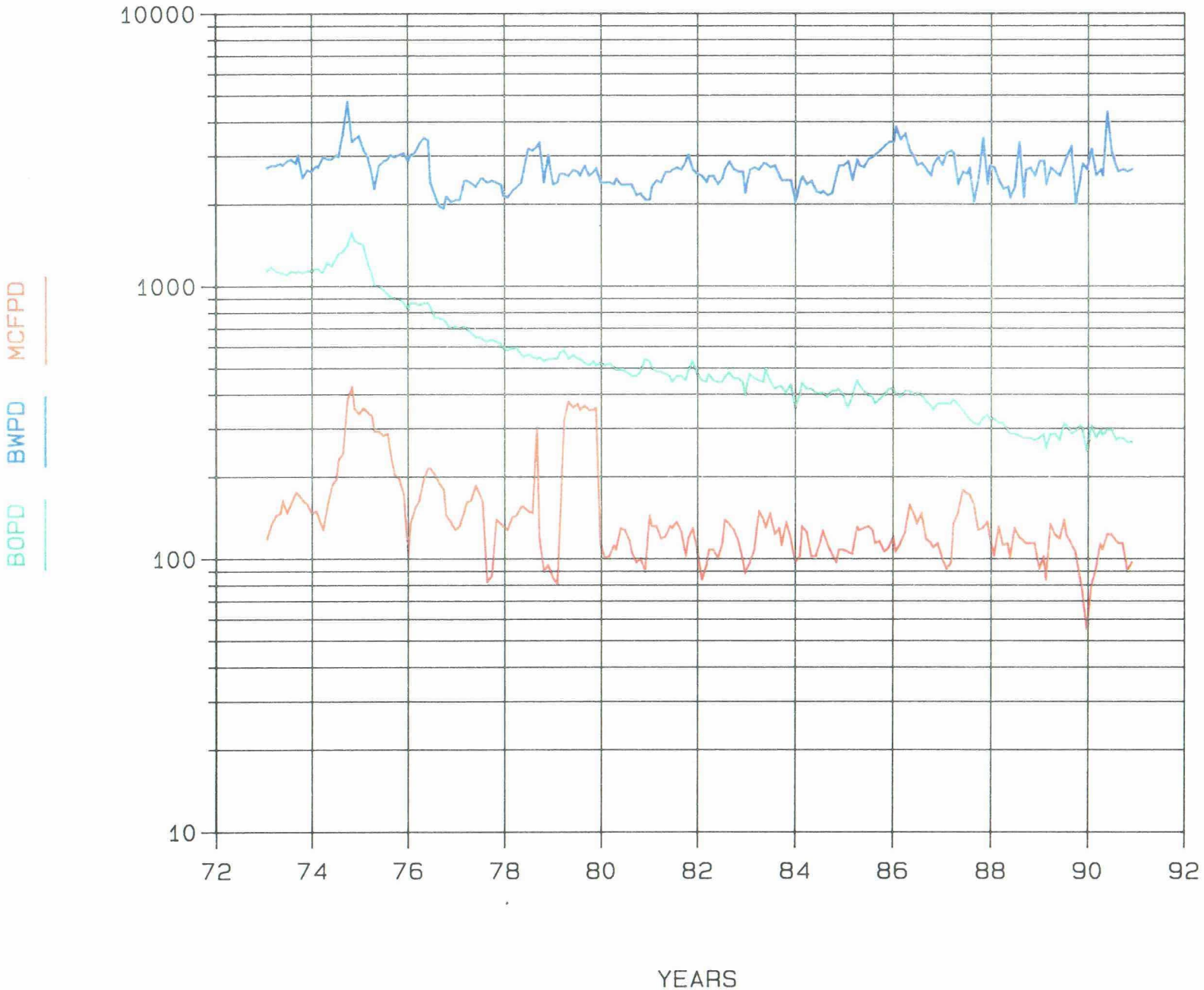
PROJECT-107071
FIELD-LANGLIE MATTIX
COUNTY-LEA STATE-NEW MEXICO
OPERATOR-TEXACO PRODUCING INC.

SKELLY PENROSE A UNIT
1990

EFFECTIVE DATE OF UNIT 5/1/67
WATER INJECTION BEGAN 11/1/67
CUM OIL FOR PROJECT PRIOR TO 5/1/67
4165384 BARRELS
TOTAL ACRES UNITIZED-2426.85

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ALLOWABLE	307	275	295	282	298	289	273	277	274	277		
OIL PRODUCTION												
BBLS/MONTH	9516	7687	9150	8457	9241	8946	8465	8574	8215	8184		
BBLS/DAY	307	275	295	282	298	298	273	277	274	264		
CUM. SINCE UNIT	4574655	4582342	4591492	4599949	4609190	4618136	4626601	4635175	4643390	4651574		
CUM. SINCE DISC.	8740039	8747726	8756876	8765333	8774574	8783520	8791985	8800559	8808774	8816958		
GAS PRODUCTION												
MCF/MONTH	2430	2567	3529	3197	3787	3637	3601	3549	3394	2792		
MCF/DAY	101	83	114	107	122	121	116	114	113	90		
CUM. SINCE UNIT	1300665	1303232	1306761	1309958	1313745	1317382	1320983	1324532	1327926	1330718		
GAS-OIL RATIO (CF/BBL)	255	334	386	378	410	407	425	414	413	341		
WATER PRODUCTION												
BBLS/MONTH	99746	70735	82522	74975	134009	91629	83783	81330	79938	81225		
BBLS/DAY	3218	2526	2662	2499	4323	3054	2703	2624	2665	2620		
CUM. SINCE UNIT	24571705	24642440	24724962	24799937	24933946	25025575	25109358	25190688	25270626	25351851		
WATER CUT %	91.3	90.2	90.0	89.9	93.5	91.1	90.8	90.5	90.7	90.8		
INJECTION												
TOTAL WATER INJECTION												
BBLS/MONTH	139983	130661	159834	132209	134009	91629	84356	81330	79938	81225		
BBLS/DAY	4516	4666	5156	4407	4323	3054	2721	2624	2665	2620		
CUM. SINCE UNIT	47342520	47473181	47633015	47765224	47899233	47990862	48075218	48156548	48236486	48317711		
NET WATER INJECTION												
BBLS/MONTH	40237	59926	77312	57234	0	0	573	0	0	0		
BBLS/DAY	1298	2140	2494	1908	0	0	18	0	0	0		
CUM. SINCE UNIT	22770815	22830741	22908053	22965287	22965287	22965287	22965860	22965860	22965860	22965860		
INJ PRESSURE MAXIMUM	1900	1900	1875	1900	1750	1800	1725	1650	1650	1650		
INJ-WITHDRAWAL RATIO	1.28	1.66	1.73	1.57	0.93	0.91	0.91	0.90	0.90	0.90		
WELL STATUS												
PRODUCERS	33	33	33	33	33	33	33	33	33	33		
INJECTORS	23	23	23	23	23	23	23	23	23	23		
SHUT-IN PRODUCERS	2	2	2	2	2	2	2	2	2	2		
SHUT-IN INJECTORS	5	5	5	5	5	5	5	5	5	5		
RECYCLING INJECTORS	0	0	0	0	0	0	0	0	0	0		
P&A'D WELLS	1	1	1	1	1	1	1	1	1	1		
TO BE RECONDITIONED (TR O)	1	1	1	1	1	1	1	1	1	1		
WATER SUPPLY WELLS	0	0	0	0	0	0	0	0	0	0		
TOTAL WELLS	65	65	65	65	65	65	65	65	65	65		

SKELLY PENROSE A UNIT



LEASE DATA
LSE 685270
FLD
OPER 833000
ZONE
--
COUNTY 30
STATE

STATUS 11-90
CO 8825 MBO
CG 3000 MMCF
BOPD 266
BWPD 2655
MCFPD 97
WELLS 50
CI 0 MBWI
BWIPD 0

TEXACO E & P INC.

WEST REGION MIDLAND DIVISION MONTH ENDING 03-31-91

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
(2) JOINTLY OWNED AND OPERATED BY TEXACO							
71	SKELLY PENROSE 'A'UNIT 333000061070071 31097800 TEXACO WI = 85.9193500	1	PM			22217600 22217600 22217600 22217600	3002510581
		2	INJ			22217700	3002510583
		3	PM			22217800	3002510562
		4	SI-INJ			22217900	3002510561
		5	PM			22218000	3002510560
		6	SI-INJ	NO REASON GIVEN	05-25-89	22218100	3002510554
		7	TR-O	UNECON TO PROD.	03-10-87	22218200	3002510559
		8	SI-INJ	NO REASON GIVEN	05-25-89	22218300	3002510555
		9	PM			22218400	3002510563
		10	INJ		07-11-90	22218500	3002510564
		11	PM			22218600	3002510584
		13	ASP	POOR CASING	01-08-91	22218700	3002510601
		15	PM			22218800	3002510605
		16	PM			22218900	3002510625
		17	INJ			22219000	3002510624
		18	SI-O			22219100	3002510613
		20	PM			22219200	3002510618
		21	INJ			22219300	3002510619
		22	PM			22219400	3002510603
		23	INJ			22219500	3002510611

TEXACO E & P INC.

WEST REGION MIDLAND DIVISION MONTH ENDING 03-31-91

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
		(2) JOINTLY OWNED AND OPERATED BY TEXACO					
		24	PM			22219600	3002510598
		25	PM			22219700	3002510600
		26	INJ			22219800	3002510597
		27	PM			22219900	3002510607
		28	INJ			22220000	3002510608
		29	PM			22220100	3002510615
		30	INJ			22220200	3002510614
		31	SI-O			22220300	3002510628
		32	SI-INJ			22220400	3002510616
		33	PM			22220500	3002510623
		34	INJ			22220600	3002510622
		35	PM			22220700	3002510621
		36	INJ			22220800	3002510620
		37	PM			22220900	3002510609
		38	INJ			22221000	3002510595
		39	PM			22221100	3002510604
		40	INJ			22221200	3002510599
		41	PM			22221300	3002510694
		42	INJ			22221400	3002510706
		43	PM			22221500	3002510702
		44	INJ			22221600	3002510703
		45	PM			22221700	3002510691

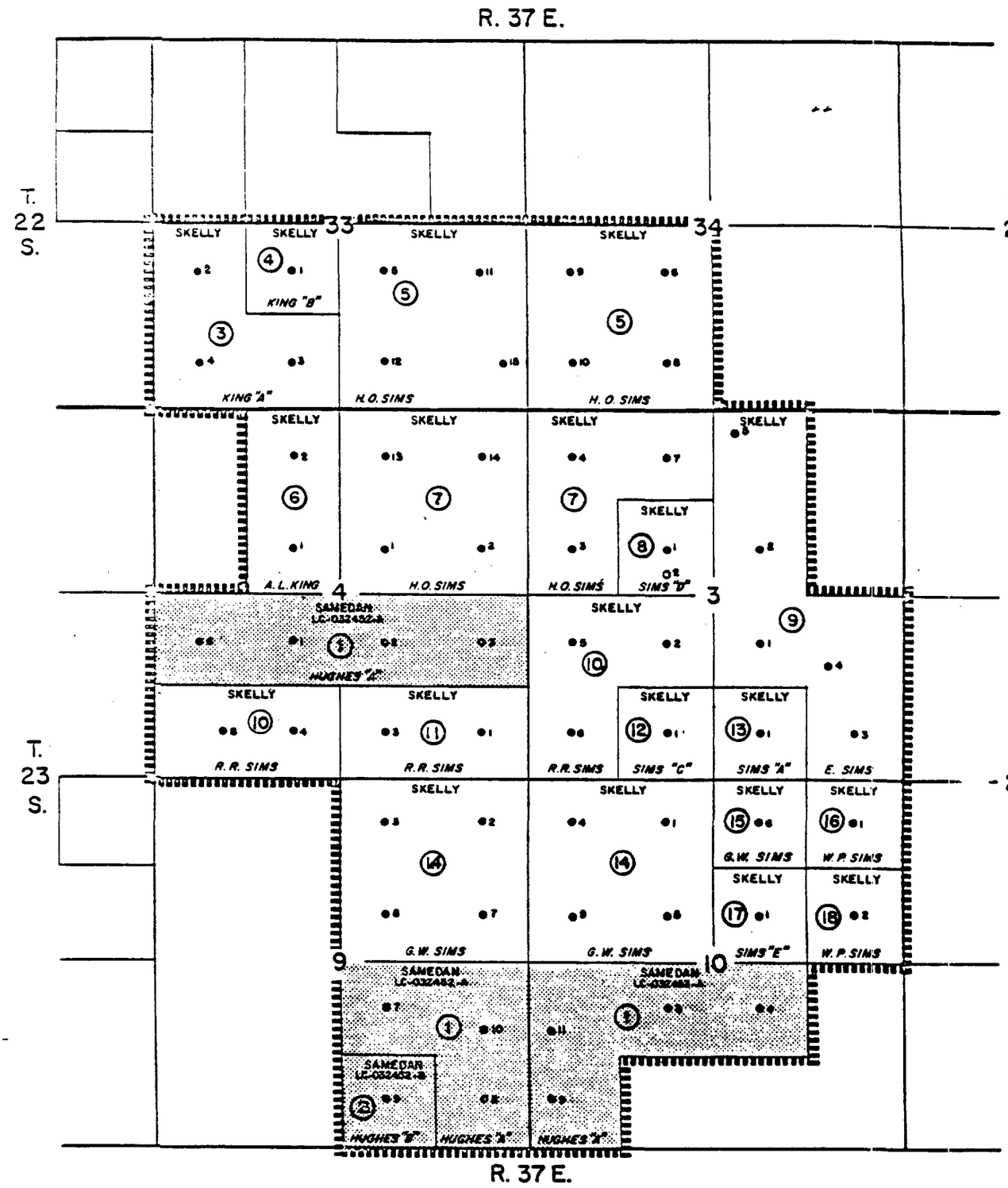
SUB-AREA -6103 HOBBS-EUNICE SUB-AREA

TEXACO E & P INC.

WEST REGION MIDLAND DIVISION MONTH ENDING 03-31-91

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
		(2) JOINTLY OWNED AND OPERATED BY TEXACO					
		46	INJ			22221800	3002510692
		47	PM			22221900	3002510682
		48	INJ			22222000	3002510693
		49	PM			22222100	3002510705
		50	INJ			22222200	3002510704
		51	PM			22222300	3002510696
		52	INJ			22222400	3002510695
		53	INJ			22222500	3002510698
		54	PM			22222600	3002510699
		55	INJ			22222700	3002510701
		56	PM			22222800	3002510681
		57	INJ			22222900	3002510678
		58	PM			22223000	3002510680
		59	INJ			22223100	3002510679
		60	PM			22223200	3002510700
		61	INJ			22223300	3002523082
		62	PM			22223400	3002510610
		63	PM			22223500	3002524685
		64	PM			22223600	3002524773
		65	PM			22223700	3002524819
		66	PM			22223800	3002524820
		68	PM		10-16-89	22223900	3002530167

SUB-AREA -6103 HOBBS-EUNICE SUB-AREA



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

EXHIBIT "A"

LEGEND

- UNIT AREA
- (1) TRACT NUMBER
- FEE LANDS
- FEDERAL LANDS

SCALE

0' 1320' 2640' 5280'

B.L.G. 4-65

EXHIBIT "B"

SCHEDULE SHOWING TRACT PARTICIPATIONS AND THE PERCENTAGE AND KIND OF OWNERSHIP OF ALL LANDS WITHIN THE SKELLY PENROSE "A" UNIT TOWNSHIPS 22 AND 23 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
					FEDERAL LANDS			
1	T23S-R37E Sec. 4; N/2 S/2 Sec. 9; N/2 SE/4, SE/4 SE/4 Sec. 10; N/2 SW/4, SW/4 SW/4, NW/4 SE/4	440	LC-032452a 6-1-57 H.B.P.	United States of America Schedule "C" Step Scale	Sarah B. Hughes, Firm Royalties, Inc.	Pan American Petroleum Corporation, et al. 13.75000%	Samedan Oil Corporation 100%	12.24001%
2	T23S-R37E Sec. 9; SW/4 SE/4	40	LC-032452b 6-1-57 H.B.P.	United States of America Schedule "B" Sliding Scale	Sarah B. Hughes, Firm Royalties, Inc.	Pan American Petroleum Corporation 3.12500%	Samedan Oil Corporation 100%	0.33031%
	Two (2) Federal Tracts Containing 480 Acres or 19.8% of Unit Area							12.57032%

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
					FEE LANDS			
3	T22S-R37E Sec. 33; W/2 SW/4, SE/4 SW/4	120	4-1-26 H.B.P.	Bertha L. King, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	5.77975%
4	T22S-R37E Sec. 33; NE/4 SW/4	40	9-19-35 H.B.P.	Bertha L. King, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	1.88349%
5	T22S-R37E Sec. 33; SE/4 Sec. 34; SW/4	320	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	11.60675%
6	T23S-R37E Sec. 4; Lot 3, SE/4 NW/4	84.20	4-1-26 H.B.P.	Ralph Lowe, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	3.48831%
7	T23S-R37E Sec. 4; Lots 1 and 2, S/2 NE/4 Sec. 3; Lots 3 and 4, SW/4 NW/4	297.96	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	12.54040%
8	T23S-R37E Sec. 3; SE/4 NW/4	40	12-16-40 H.B.P.	Skelly Oil Company 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	1.96286%
9	T23S-R37E Sec. 3; Lot 2, SE/4 NE/4, N/2 SE/4, SE/4 SE/4	204.69	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	10.15205%

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
FEE LANDS, Continued								
10	T23S-R37E Sec. 4; S/2 SW/4 Sec. 3; W/2 SW/4, NE/4 SW/4	200	4-1-26 H.B.P.	R. R. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	9.67467%
11	T23S-R37E Sec. 4; S/2 SE/4	80	4-1-26 H.B.P.	R. R. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	2.54950%
12	T23S-R37E Sec. 3; SE/4 SW/4	40	5-1-26 H.B.P.	R. R. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	2.70036%
13	T23S-R37E Sec. 3; SW/4 NE/4	40	5-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	3.36709%
14	T23S-R37E Sec. 9; NE/4 Sec. 10; NW/4	320	4-1-26 H.B.P.	George W. Sims, et al. 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	13.88855%
15	T23S-R37E Sec. 10; NW/4 NE/4	40	4-1-26 H.B.P.	Skelly Oil Company 12.50000%	Skelly Oil Company	None	Skelly Oil Company 100%	1.35304%
16	T23S-R37E Sec. 10; NE/4 NE/4	40	4-1-26 H.B.P.	W. P. Sims, et al. 12.50000%	Skelly Oil Company	Hugh Corrigan III, et al. 3.12500%	Skelly Oil Company 100%	1.83869%

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY	WORKING INTEREST	PARTICIPATION
FEE LANDS, Continued								
17	T23S-R37E Sec. 10; SW/4 NE/4	40	4-1-26 H.B.P.	The Atlantic Refining Company, et al. 12.50000%	Skelly Oil Company	Hugh Corrigan III, et al. 1.56250% of Skelly's 50%	Skelly Oil Company 50% The Atlantic Refining Company 50%	3.02065%
18	T23S-R37E Sec. 10; SE/4 NE/4	40	4-1-26 H.B.P.	W. P. Sims, et al. 12.50000%	Skelly Oil Company	Hugh Corrigan III, et al. 3.12500%	Skelly Oil Company 100%	1.62352%

Sixteen (16) Fee Tracts Containing 1946.85 Acres or 80.2% of Unit Area — 87.42968%

Skelly Penrose "A" Unit Area Total			
2 Federal Tracts	480.00	Acres 19.8%	12.57032%
16 Fee Tracts	1946.85	Acres 80.2%	87.42968%
TOTAL	2426.85	100.0%	100.00000%

3538

February 27, 1995

D -
Unit letter
Thx

District Supervisor
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88202-1397

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Commissioner of Public Lands
State of New Mexico
Oil & Gas Division
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: **SKELLY PENROSE "A" UNIT**
Secondary Recovery Unit
Lea County, New Mexico

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the development and operations of the Skelly Penrose "A" Unit, Lea County, New Mexico, Texaco Exploration and Production Inc. respectfully submits for your approval a report of past operations and a plan of development and operations for the subject waterflood unit for 1995.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September 1967 work began to install injection facilities for full-scale waterflood operations. Final flood expansion was completed in August 1974 with the installation of a fourth injection pump at the injection plant. Currently, there are 30 active producers, 12 active injectors, and 21 wells not in operation.

Cumulative oil production from the unit since unitization was 4,962,346 barrels as of December 31, 1994. The cumulative water injection as of December 31, 1994 was 51,811,261

barrels. Average daily production for the unit for the month of December 1994 was 191 BOPD and 3,094 BWPD. Daily injection was 3,100 BWPD at 1,920 psig.

DEVELOPMENT PLANS FOR 1995

Plans for 1995 are to monitor this waterflood for effective and efficient flood operations.

Yours very truly,

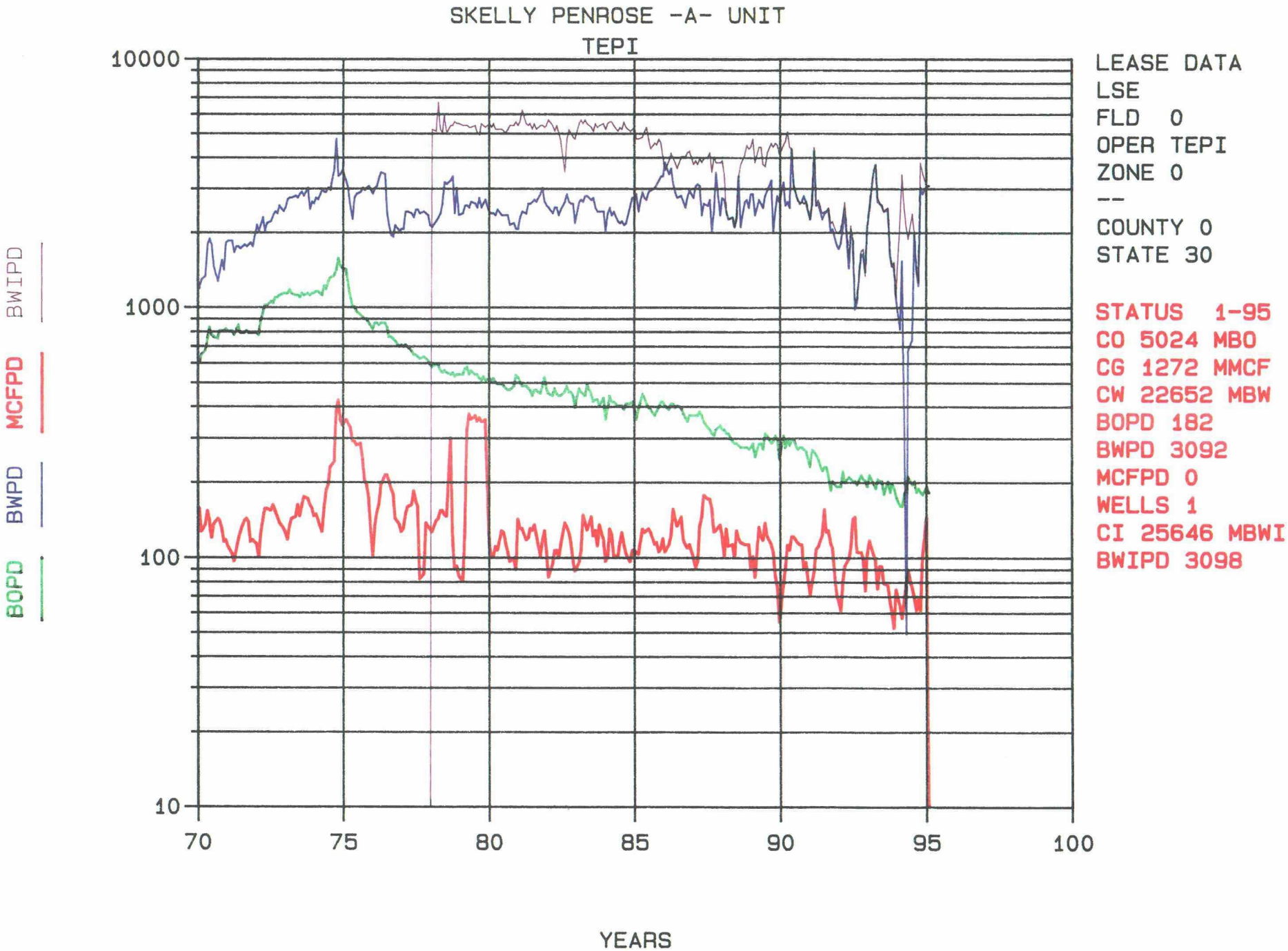
J. A. Head
Asset Manager

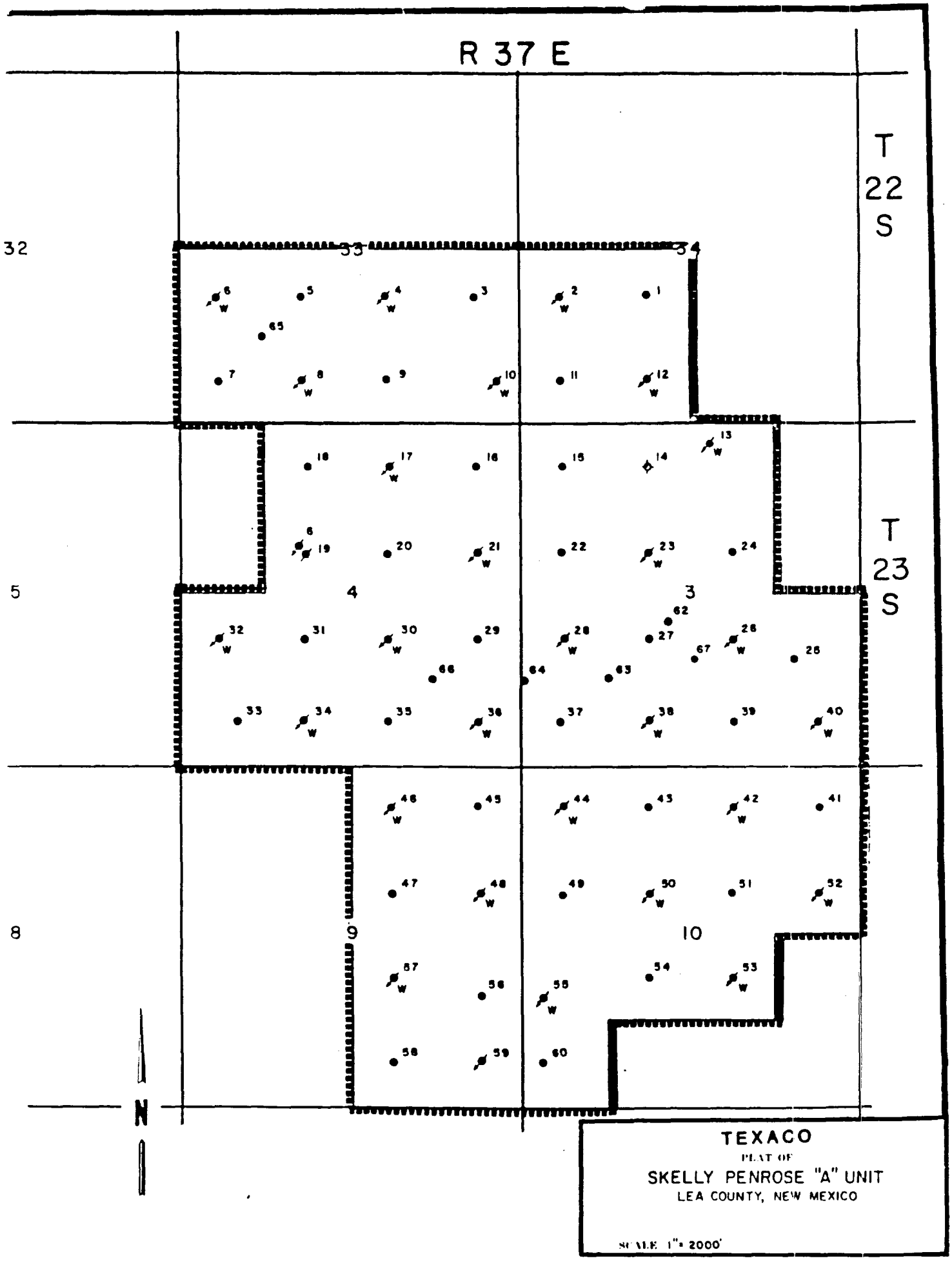
MSW-CC

Attachments

SKELLY PENROSE -A- UNIT
WELL STATUS

WELL NO.	STATUS	WELL NO.	STATUS
1	PM	38	SI-O
2	SI-INJ	39	PM
3	PM	40	INJ
4	SI-INJ	41	PM
5	PM	42	INJ
6	SI-INJ	43	PM
7	TA	44	SI-INJ
8	SI-INJ	45	SI-O
9	PM	46	INJ
10	INJ	47	PM
11	PM	48	INJ
15	PM	49	PM
16	PM	50	TA
17	TA	51	PM
20	PM	52	SI-INJ
21	TA	53	INJ
22	PM	54	PM
23	INJ	55	INJ
24	PM	56	SI-O
25	PM	57	SI-INJ
26	INJ	58	PM
27	PM	59	SI-INJ
28	INJ	60	PM
29	PM	61	SI-INJ
30	TA	62	PM
31	SI-O	63	PM
32	SI-INJ	64	PM
33	TA	65	PM
34	SI-INJ	66	PM
35	PM	67	PM
36	INJ	68	INJ
37	PM	71	PM


SKELLY PENROSE -A- UNIT
TEPI
10000
1000
100
10
70
75
80
85
90
95
100
YEARS
BWIPD
MCFPD
BWPD
BOPD
LEASE DATA
LSE
FLD 0
OPER TEPI
ZONE 0
--
COUNTY 0
STATE 30
STATUS 1-95
CO 5024 MBO
CG 1272 MMCF
CW 22652 MBW
BOPD 182
BWPD 3092
MCFPD 0
WELLS 1
CI 25646 MBWI
BWIPD 3098


R 37 E
T 22 S
T 23 S
32
33
34
5
4
3
8
9
10
N
TEXACO
PLAT OF
SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000'

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

November 15, 1977

Getty Oil Company
Box 1231
Midland, Texas 79701

Attention: Audra B. Cary

Re: Case No. 3538
Skelly Penrose "A" Unit
1978 Plan of Development

Gentlemen:

We hereby approve the 1978 Plan of Development for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Plan are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/LT/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

Getty Oil Company

North American Exploration and Production Division

November 1, 1977

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Director (3)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Getty Oil company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1978.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September 1967, work began to install injection facilities for full-scale waterflood operations. Injection into twenty four (24) additional converted wells commenced in September and October 1967. Well No. 59 was converted to injection in June, 1974. Injection facilities were expanded in August,1974, by installation of a fourth pump at the injection plant. Since December 6, 1974, injection has been at reduced rate by order of N.M.O.C.C. due to waterflows in the area. Oil production since then has gradually declined to present level.

A pilot waterflood was in operation on Getty's (former Skelly) H. O. Sims Lease prior to unitization. On May 1, 1967 cumulative injection into the H. O. Sims No. 9 Well (Unit No. 2.) and No. 8 Well (Unit No. 12) was 984,643 and 1,654,375 barrels respectively. Cumulative injection since unitization for the Unit was 28,210,296 barrels on September 1, 1977. Average daily injection was 5,255 BWPD at 1700 psig during August 1977, compared to 8500 BWPD before reduction in December 1974.

Cumulative oil production from the Unit since unitization was 3,100,877 barrels on September 1, 1977. The average daily producing rate during August 1977 was 630 barrels of oil, and 2,395 barrels of water.

In January 1977, Unit Well No. 64 was perforated and flow tested in the Salt Section. In April, Well No's 6 and 8 were cleaned out, perforated, and acidized to increase injectivity.

Getty Oil Company

North American Exploration and Production Division

In June 1977, injection Well No. 57 was surveyed as part of a five (5) well program. The injection profile showed only two top perforations to be taking fluid. A work-over to circulate cement to surface and to acidize this well is scheduled for November 1977. A similar work-over is planned for Unit Well No. 4.

PLANS FOR 1978

Plans are to continue operations under the present flood pattern into the 29 wells presently in service. It is also planned to circulate cement to surface on all wells which do not have cement to surface. Injection Surveys will be run on all service wells which have not been surveyed in the past several years. Any corrective measures needed after survey results will be taken to improve flood efficiency.

Very truly yours,

Getty Oil Company

Audra B. Cary

Audra B. Cary
Working Interest Owners Committee

Approved 11/15 1977

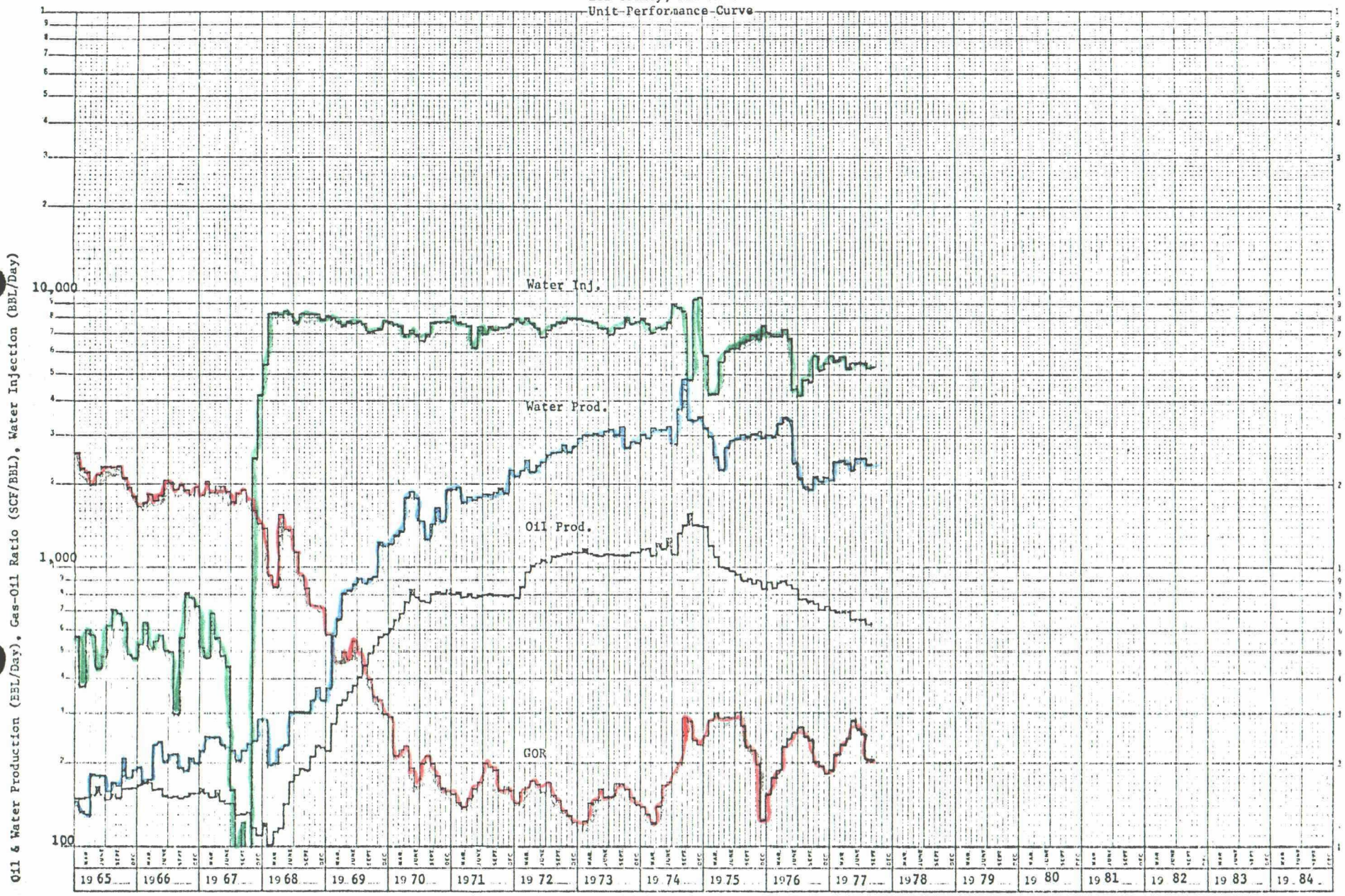
Secretary-Director

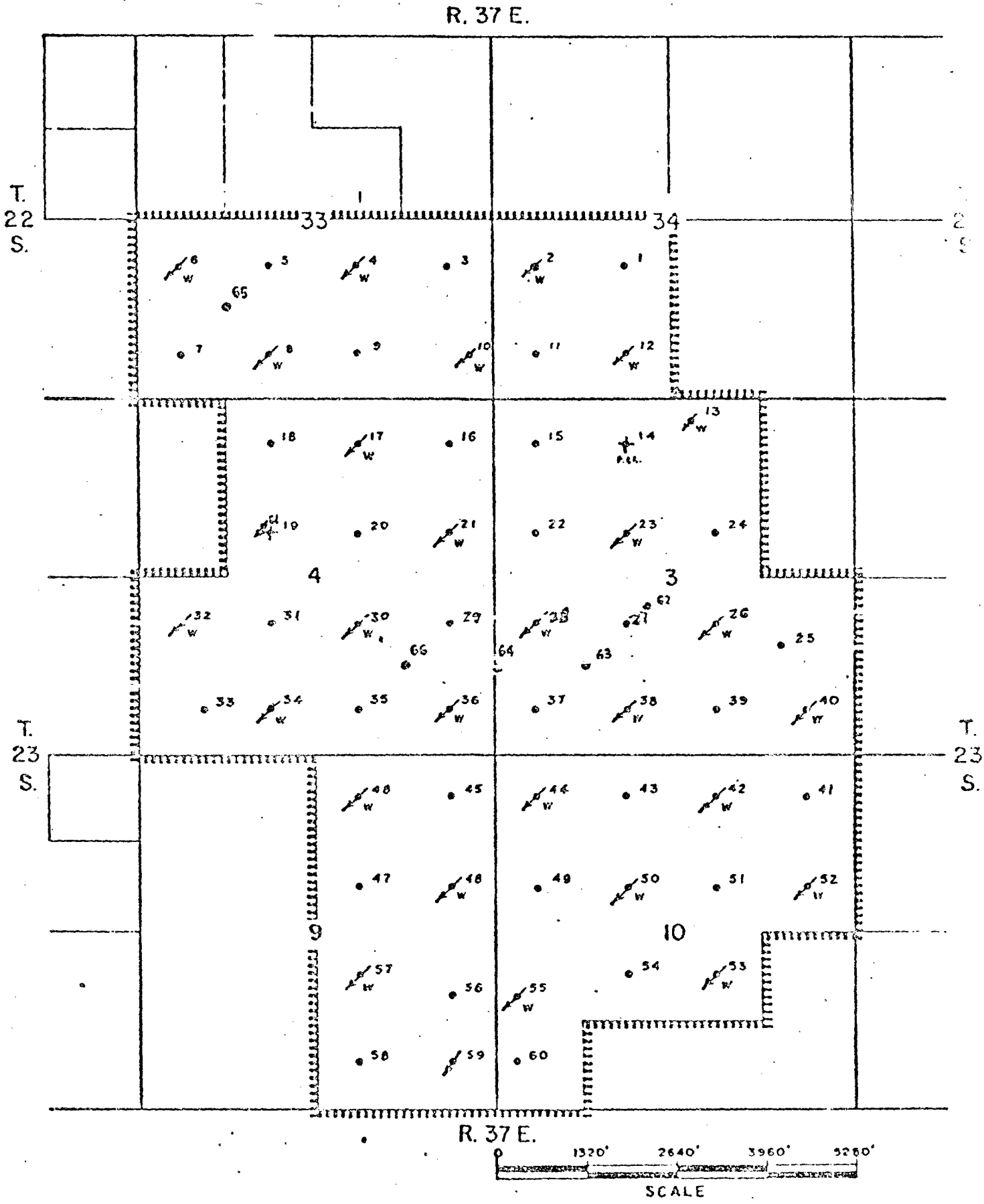
NEW MEXICO OIL CONSERVATION COMMISSION

THE APPROVAL OF UNITED SUBJECT TO LIKE APPROVAL BY THE UNITED STATES GEOLOGICAL SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS STATE OF NEW MEXICO

MYM/cap
Attachments

Skelly Penrose "A" Unit
Langlie Mattix Field
Lea County, New Mexico
Unit Performance Curve





SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

3535

United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
Western National Bank Building
505 Marquette, NW, Room 815
Albuquerque, New Mexico 87102

DEC 6 - 1976

Skelly Oil Company
Attention: Mr. Leland Franz
P. O. Box 1351
Midland, Texas 79701

Gentlemen:

On this date, your 1977 plan of development and operation for the Skelly Penrose "A" unit area, Lea County, New Mexico, wherein you propose continuation of operations under the current waterflood pattern and evaluation of additional infill drilling, was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico and one approved copy is enclosed.

Sincerely yours,

Area Oil and Gas Supervisor

Enclosure

cc:
NMOCC, Santa Fe (ltr. only) This Copy for
Com. of Pub. Lands, Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

3128

November 23, 1976

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. Leland Franz

Re: 1977 Development Plans,
Skelly Penrose "A" Unit,
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Development Plans for the calendar year 1977 for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plans are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og
cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

SKELLY OIL COMPANY

November 1, 1976

DOMESTIC EXPL. & PROD. DEPARTMENT
MIDLAND E & P DISTRICT
F. L. FRANZ, DISTRICT PRODUCTION MANAGER
M. J. EKMAN, DISTRICT ENGINEER
C. F. BOSECKER, LEAD RESERVOIR ENGINEER
F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Director (3)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1977.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967. Well No. 59 was converted to injection service in June, 1974. Injection facilities were expanded in August, 1974, by installation of a fourth pump at the injection plant. Injection since December 6, 1974, has been at reduced rate by N.M.O.C.C. order due to waterflows in the area.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 23,722,755 barrels on October 1, 1976. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and, the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19 and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3,700' in January, 1970, and converted to injection on 7-17-70. Average daily injection was 4,728 BWPD at 1,740 psig during September, 1976.

Cumulative oil production from the Unit Area since unitization was 2,938,876 barrels on October 1, 1976. The average daily producing rate during September, 1976, was 746 barrels of oil. Completion of four (4) infill producers in 1974 increased sustained production rate. Operations were performed on December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968. Well No. 14 was P&A on 9-8-75 after unsuccessful attempt to re-enter casing.

DEVELOPMENT PLANS FOR 1977

Plans are to continue operations under the planned flood pattern into the twenty-nine (29) wells now converted to injection service.

Infill drilling performed during 1974 is being evaluated. Additional infill drilling for 1978 may be recommended if results from this evaluation are favorable and injection restrictions are lifted.

Converstion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in all other portions of the Unit Area. We plan to continue delaying this conversion as long as the well continues to produce significant volumes of oil with a small amount of water.

Very truly yours,

SKELLY OIL COMPANY

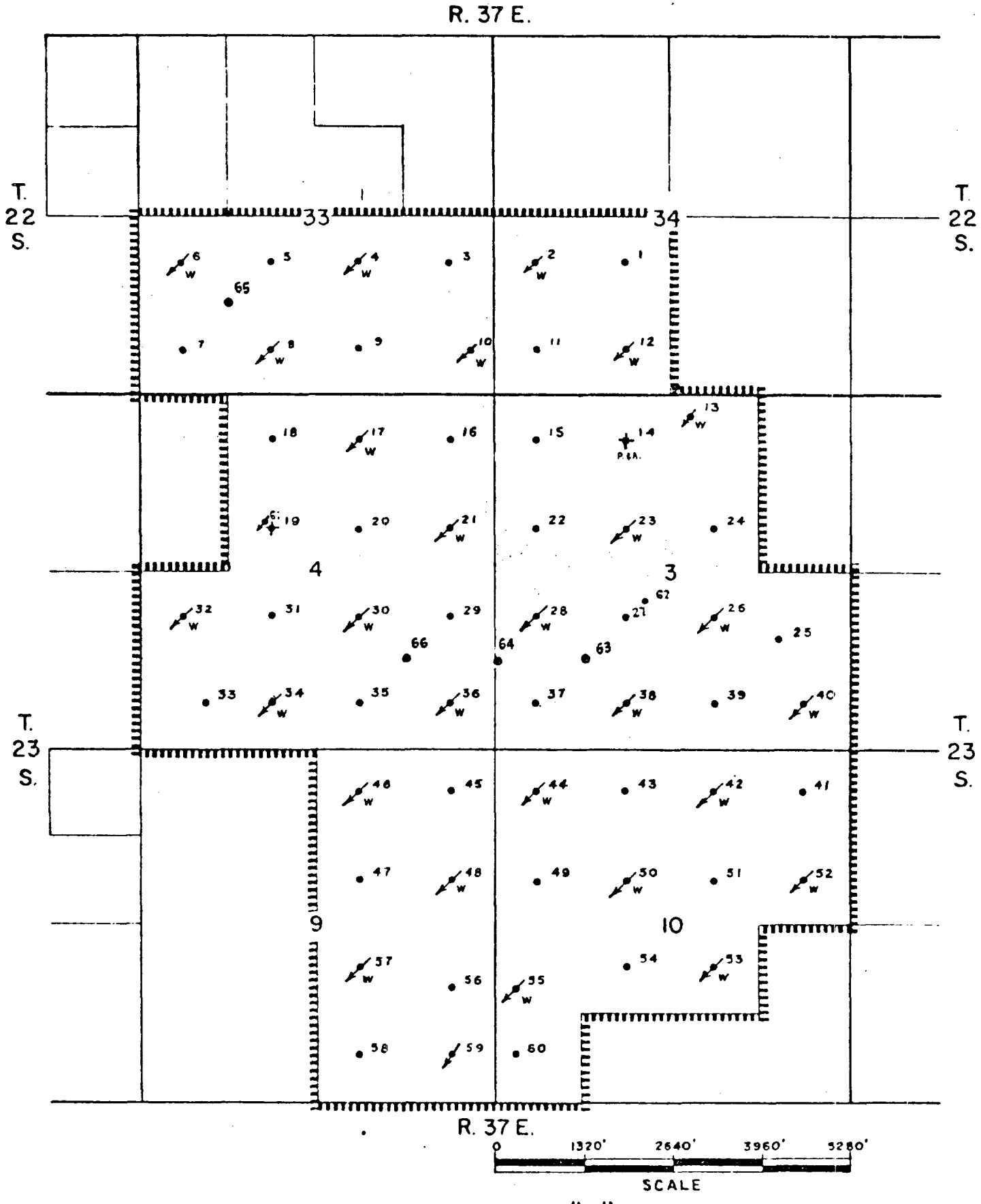
Leland Franz
Working Interest Owners' Committee

OVS/slw
Attachment

Approved November 23, 1976

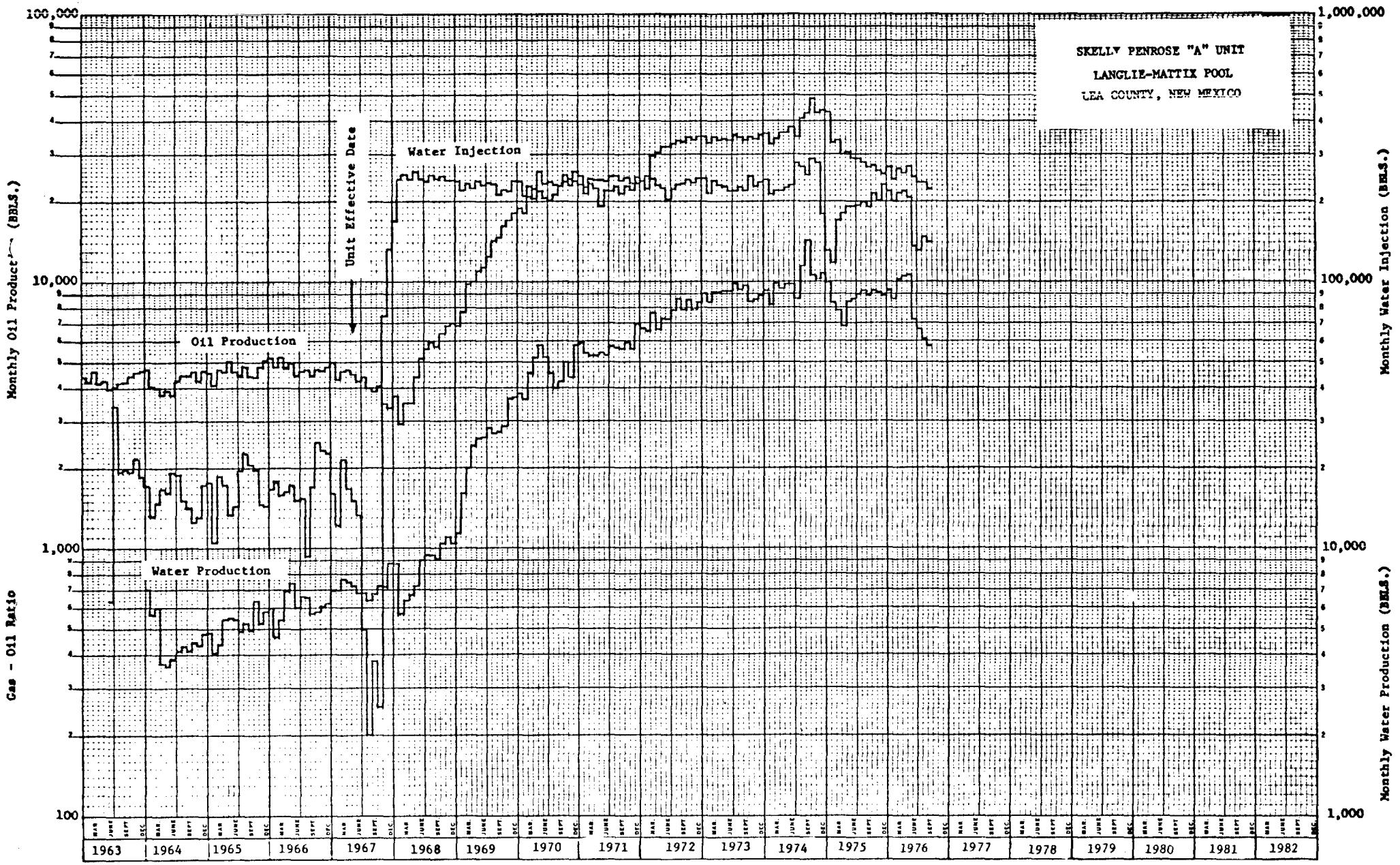
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO


SKELLY PENROSE "A" UNIT
LANGLIE-MATTIX POOL
LEA COUNTY, NEW MEXICO
Monthly Oil Product'— (BBLS.)
Gas - Oil Ratio
Monthly Water Injection (BBLS.)
Monthly Water Production (BBLS.)
Unit Effective Date
Water Injection
Oil Production
Water Production
100,000
10,000
1,000
100
1,000,000
100,000
10,000
1,000
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982

P. O. Drawer 1857
Roswell, New Mexico 88201

March 2, 1976

Skelly Oil Company
Attention: Mr. Leland Franz
P. O. Box 1351
Midland, Texas 79701

Gentlemen:

On this date, your 1976 plan of development and operation for the Skelly Penrose "A" unit area, Lea County, New Mexico, wherein you propose continuation of operations under the current waterflood pattern and evaluation for additional infill drilling, was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico and two approved copies are enclosed.

It is requested that you provide this office with a copy of waterflood injection and production data in graphical form at your earliest convenience and include an updated copy of such graph with your subsequent plans of development.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Hobbs (w/cy plan)
NMOCC, Santa Fe (ltr. only)
Com. of Pub. Lands, Santa Fe (ltr. only)

This Copy for

JAGillham:dlk

P. O. Drawer 1857
Roswell, New Mexico 88201

February 18, 1976

Skelly Oil Company
Attention: Mr. Leland Franz
P. O. Box 1351
Midland, Texas 79701

Gentlemen:

Your letter of November 11, 1975, transmitted a proposed border protection agreement in which Skelly Oil Company, as operator of the Skelly Penrose "A" unit and Texaco Inc., as operator of State "BZ" lease, will cooperate in water flooding involving the common boundary between sec. 9, T. 23S., R. 37E., Texaco State "BZ" lease, and sec. 16, T. 23S., R. 37E., Skelly Penrose "A" unit, Lea County, New Mexico. You state in your letter that you have received written concurrence from sufficient working interest owners to comply with section 36 of the Skelly Penrose "A" unit agreement. Such border agreement has been approved on this date.

Please send two copies of this agreement, including one with original signatures to this office after it has been executed.

Sincerely yours,

(ORIG. SGD.) J. A. GILLHAM
J. A. GILLHAM
Acting Area Oil and Gas Supervisor

cc:
Hobbs
NMOCC, Santa Fe ← This Copy for

RDLindau:dlk

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

3538

November 17, 1975

Skelly Oil Company
P. O. Box 1351
Midland, Texas

Attention: Mr. Leland Franz

Re: 1976 Plan of Development,
Skelly Penrose "A" Unit,
Lea County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the plan of development for the calendar year 1976 for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

-Commissioner of Public Lands
Santa Fe, New Mexico

SKELLY OIL COMPANY

October 27, 1975

DOMESTIC EXPL. & PROD. DEPARTMENT
MIDLAND E & P DISTRICT
F. L. FRANZ, DISTRICT PRODUCTION MANAGER
M. J. EKMAN, DISTRICT ENGINEER
C. F. BOSECKER, LEAD RESERVOIR ENGINEER
F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Director (4)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1976.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967. Well No. 59 was converted to injection service in June, 1974. Injection facilities were expanded in August 1974 by installation of a fourth pump at the injection plant. Injection since December 6, 1974 has been at reduced rate by N.M.O.C.C. order due to waterflows in the area.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 21,456,181 barrels on October 1, 1975. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and, the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19 and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3,700' in January, 1970, and converted to injection on 7-17-70. Average daily injection was 6,398 BWPD at 1,750 psig during September, 1975.

Cumulative oil production from the Unit Area since unitization was 2,634,347 barrels on October 1, 1975. The average daily producing rate during September, 1975, was 902 barrels of oil. Completion of four (4) infill producers in 1974 increased sustained production rate by 78 BOPD. Operations were performed on December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968. Well No. 14 was P&A on 9-8-75 after unsuccessful attempt to re-enter casing.

DEVELOPMENT PLANS FOR 1976

Plans are to continue operations under the planned flood pattern into the twenty-nine (29) wells now converted to injection service.

Infill drilling performed during 1974 is being evaluated. Additional infill drilling for 1976 may be recommended if results from this evaluation are favorable and injection restrictions are lifted.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in all other portions of the Unit Area. We plan to continue delaying this conversion as long as the well continues to produce significant volumes of oil with a small amount of water.

Very truly yours,

SKELLY OIL COMPANY

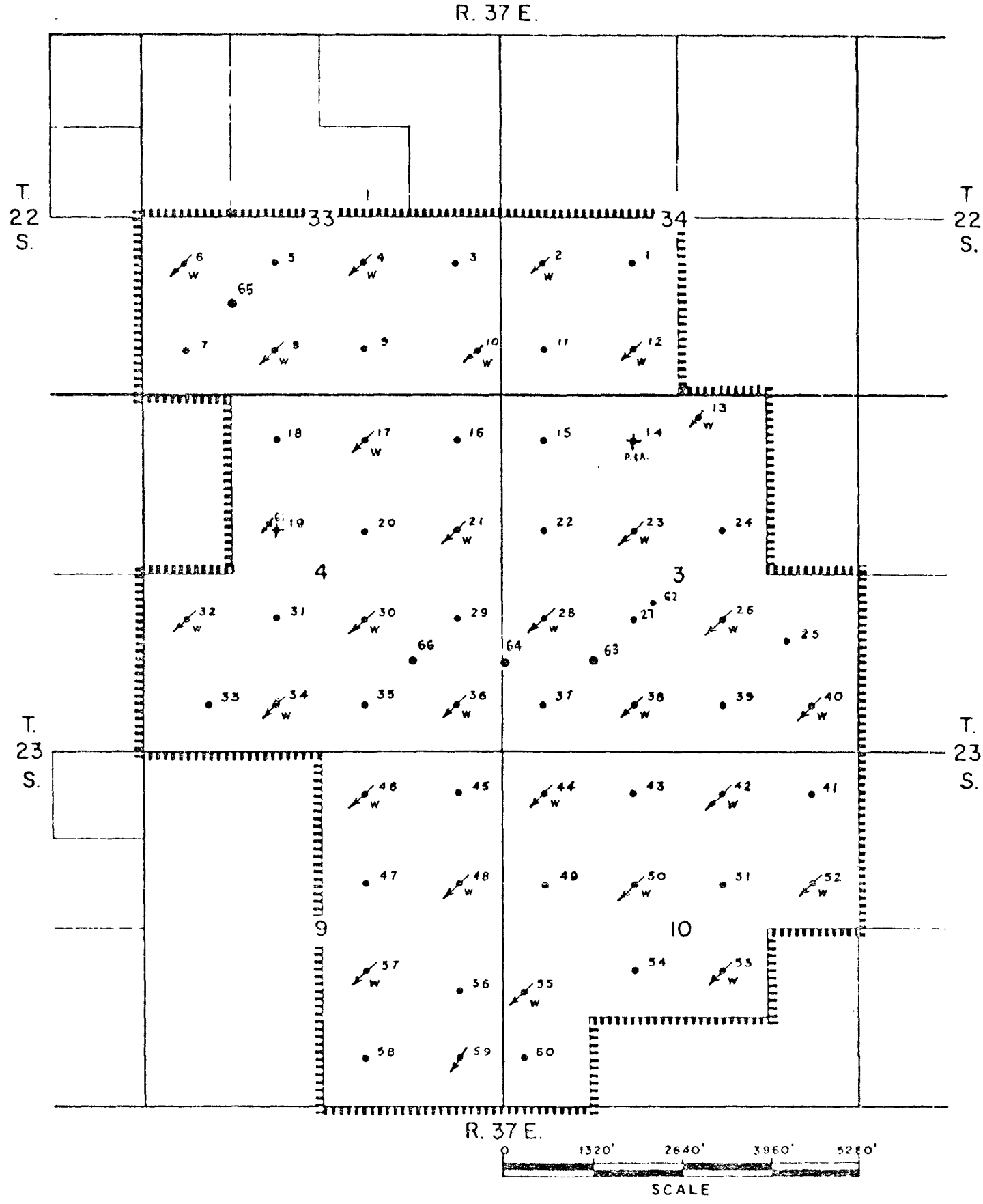
Leland Franz

Leland Franz
Working Interest Owners' Committee

OVS/ss
Attachment

Approved November 17, 1975

Joe D. Ramey
Secretary-Director
NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

December 19, 1974

3534

Skelly Oil Company
Attention: Mr. Leland Franz
P.O. Box 1351
Midland, Texas 79701

Gentlemen:

Four approved copies of your 1975 plan of development for the Skelly Penrose "A" unit area, Lea County, New Mexico, are enclosed. Such plan, proposing to continue operation of the current waterflood pattern, was approved on this date subject to like approval by the appropriate official of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)
Hobbs (w/cy plan)

JAGillham:ds

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE NEW MEXICO 87501

3538

December 5, 1974

COPY

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. Leland Franz

Re: 1975 Plan of Operation
Skelly Penrose "A" Unit,
Lea County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the plan of development and operation for the year 1975 for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

SKELLY OIL COMPANY

November 8, 1974

DOMESTIC EXPL. & PROD. DEPARTMENT
MIDLAND E & P DISTRICT
F. L. FRANZ, DISTRICT PRODUCTION MANAGER
M. J. EKMAN, DISTRICT ENGINEER
F. J. HENSLEY, LEAD RESERVOIR ENGINEER
F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1975.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967. Well No. 59 was converted to injection service in June, 1974. Injection facilities were expanded in August 1974 by installation of a fourth pump at the injection plant.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 19,120,377 barrels on October 1, 1974. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and, the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19 and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3,700' in January, 1970, and converted to injection on 7-17-70. Average daily injection was 8,539 BWPD at 1,930 psig during September, 1974.

Cumulative oil production from the Unit Area since unitization was 2,210,327 barrels on October 1, 1974. The average daily producing rate during September, 1974, was 1,431 barrels of oil. Completion of four (4) infill producers increased sustained production rate by 260 BOPD. Operations were performed on December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968.

DEVELOPMENT PLANS FOR 1975

Plans are to continue operations under the planned flood pattern into the twenty-nine (29) wells now converted to injection service.

Infill drilling performed during 1974 is being evaluated. Additional infill drilling for 1975 may be recommended if results from this evaluation are favorable.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in all other portions of the Unit Area. We plan to continue delaying this conversion as long as the well continues to produce significant volumes of oil with a small amount of water.

Very truly yours,

SKELLY OIL COMPANY

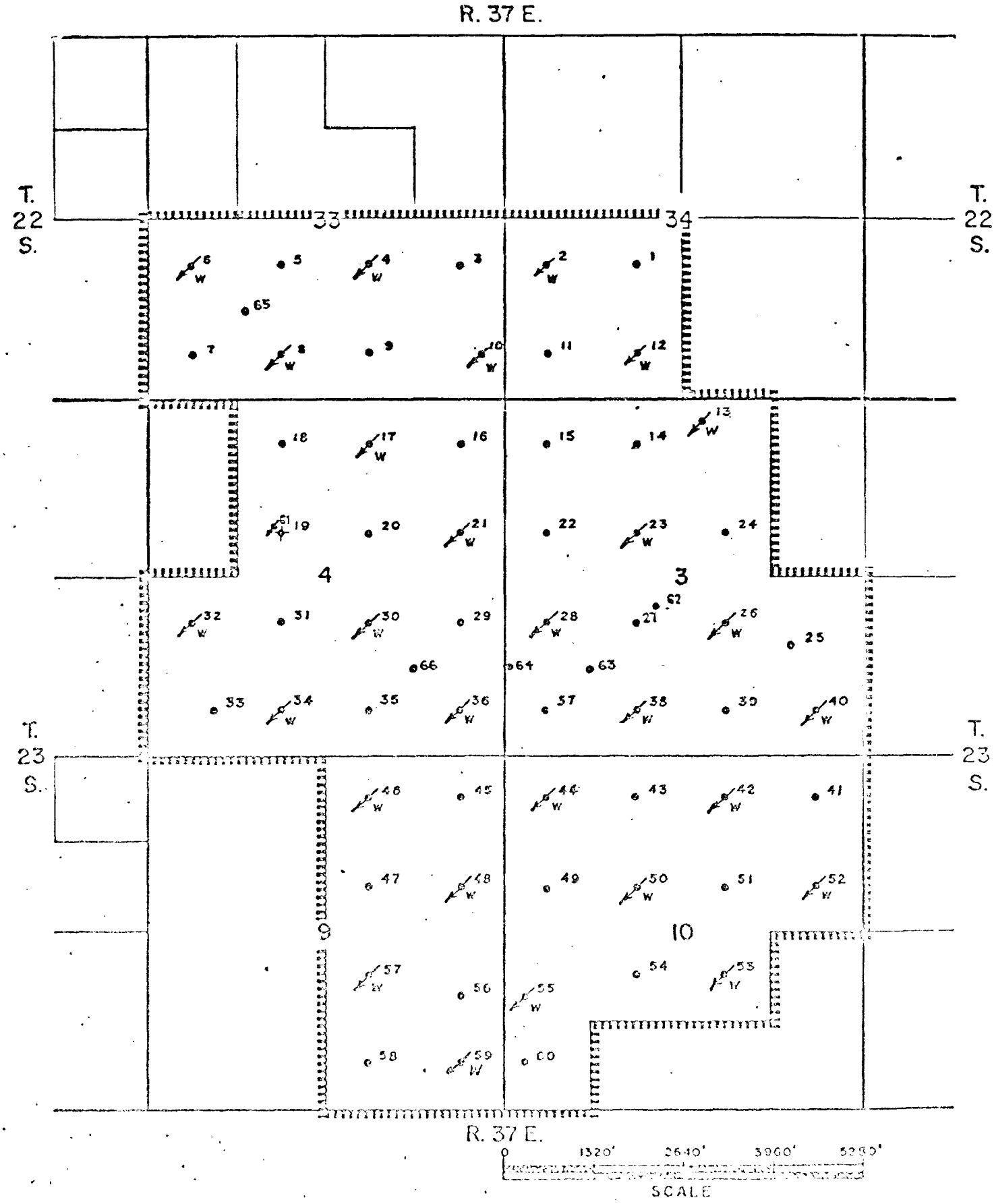
Leland Franz
Working Interest Owners' Committee

OVS/ss
Attachment

Approved December 5, 1974

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

January 17, 1974

3538

COPY

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: 1974 Plan of Development
Skelly Penrose "A" Unit
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development for the calendar year 1974 for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

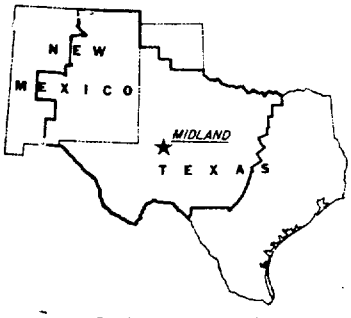
Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico



SKELLY OIL COMPANY

November 1, 1973

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

A. B. CARY, EXPLORATION & PRODUCTION MANAGER
V. E. BARTLETT, EXPLORATION MANAGER
C. J. LOVE, PRODUCTION MANAGER
J. R. AVENT, ADMINISTRATIVE COORDINATOR

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1974.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 16,228,827 barrels on October 1, 1973. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19, and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3,700' in January, 1970, and converted to injection on 7-17-70 Average daily injection was 7,385 BWPD at 1,850 psig during September, 1973.

Cumulative oil production from the Unit Area since unitization was 1,658,949 barrels on October 1, 1973. The average daily producing rate during September, 1973, was 1,138 barrels of oil. Operations were performed on December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968.

DEVELOPMENT PLANS FOR 1974

Plans are to continue operations under the planned flood pattern into the twenty-eight (28) wells now converted to injection service.

Conversion of the one injection well (No. 59) on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit, or individual lease operator.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in all other portions of the Unit Area. We plan to continue delaying this conversion as long as the well continues to produce significant volumes of oil with a small amount of water.

Very truly yours,

SKELLY OIL COMPANY

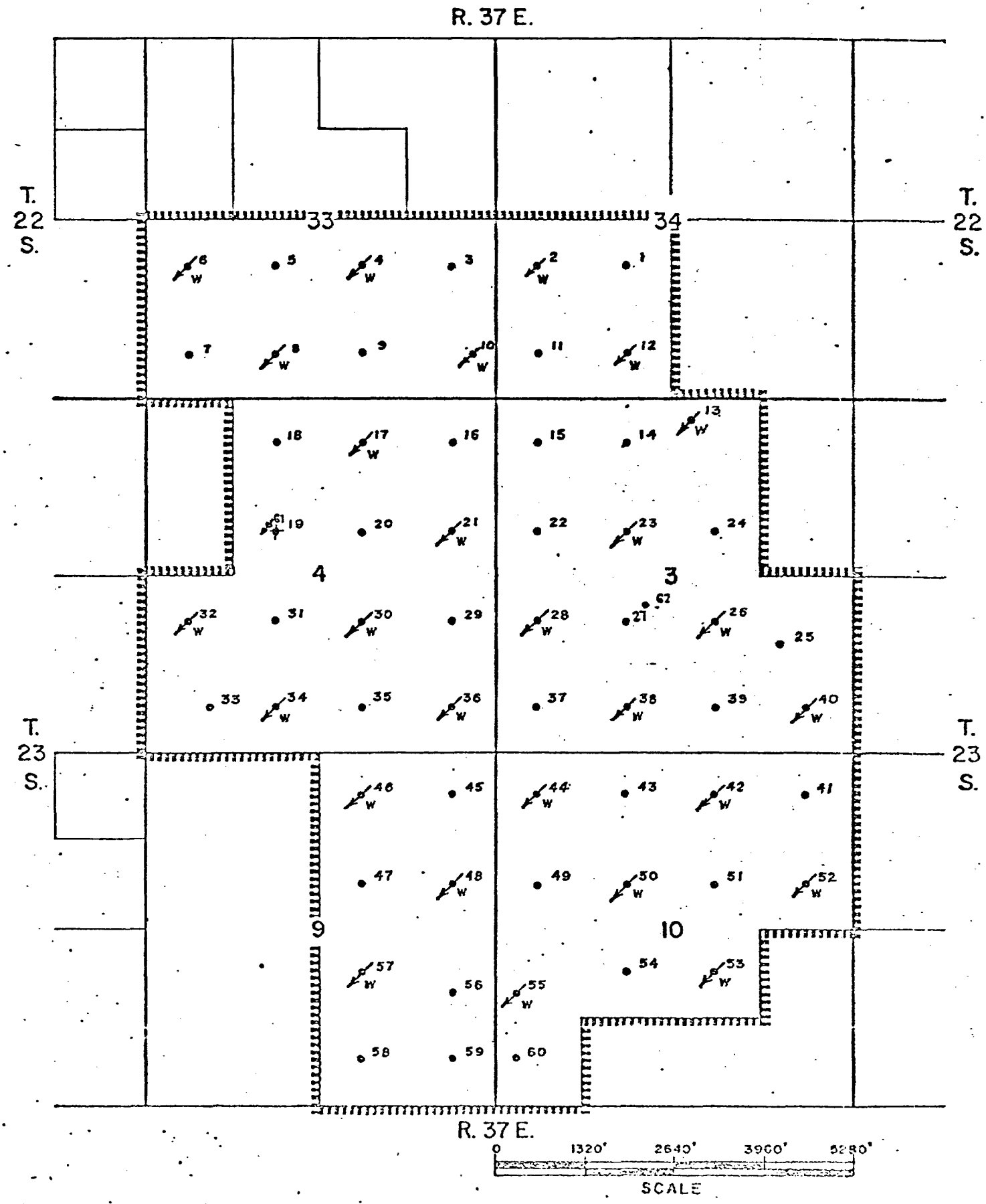
C. J. Love

C. J. Love, Chairman
Working Interest Owners' Committee

OVS/rc
Attachment

Approved January 17, 1974

A. L. Porter, Jr.
Secretary-Treas.



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

December 21, 1973

Skelly Oil Company
Attention: Mr. C. J. Love
P.O. Box 1351
Midland, Texas 79701

Gentlemen:

Four approved copies of your 1974 plan of development and operation for the Skelly Penrose "A" unit area, Lea County, New Mexico, proposing to continue operation of the current waterflood pattern, are enclosed. Such plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil & Gas Supervisor

cc:
NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)
Hobbs (w/cy plan)

JAGillham:ds

United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

November 27, 1972

3538

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Gentlemen:

On this date, your 1973 plan of development and operation for the Skelly Penrose "A" unit area, Lea County, New Mexico, wherein you propose to continue operation under the current waterflood pattern, was approved. The Oil Conservation Commission approved such plan on November 1, 1972.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Washington (w/cy plan)
Hobbs (w/cy plan)
NMOCC, Santa Fe (w/ltr. only)

JAGillham:lh:

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

November 1, 1972

3538

Skelly Oil Company
P. O. Box 1351
Midland, Texas

Attention: Mr. C. J. Love

Re: 1973 Plan of Operation
Skelly Penrose "A" Unit
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1973 Plan of Development and Operation dated November 1, 1972, for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

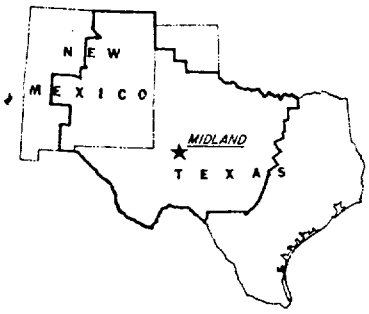
Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico



SKELLY OIL COMPANY

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

A. B. CARY, EXPLORATION & PRODUCTION MANAGER
V. E. BARTLETT, EXPLORATION MANAGER
C. J. LOVE, PRODUCTION MANAGER
J. R. AVENT, ADMINISTRATIVE COORDINATOR

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

November 1, 1972

Re: Skelly Penrose "A" Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1973.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cummulative injection into the H. O. Sims No. 9 Well (Unit No. 2) was 984,643 barrels on May 1, 1967. cumulative injection into the H. O. Sims No. 8 Well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 13,442,465 barrels on October 1, 1972. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19, and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3700' in January, 1970, and converted to injection on 7-17-70. Average daily injection was 7,765 BWPD at 1,560 psig during September, 1972.

Cumulative oil production from the Unit Area since unitization was 1,347,200 barrels on October 1, 1971. The average daily producing rate during September, 1972, was 1,112 barrels of oil. Operations were performed on December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water

Handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968.

DEVELOPMENT PLANS FOR 1973

Plans are to continue operations under the planned flood pattern into the twenty-eight (28) wells now converted to injection service.

Conversion of the one injection well (No. 59) on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit, or individual lease operator.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in all other portions of the Unit Area. This should occur in 1973.

Very truly yours,

SKELLY OIL COMPANY

C. J. Love

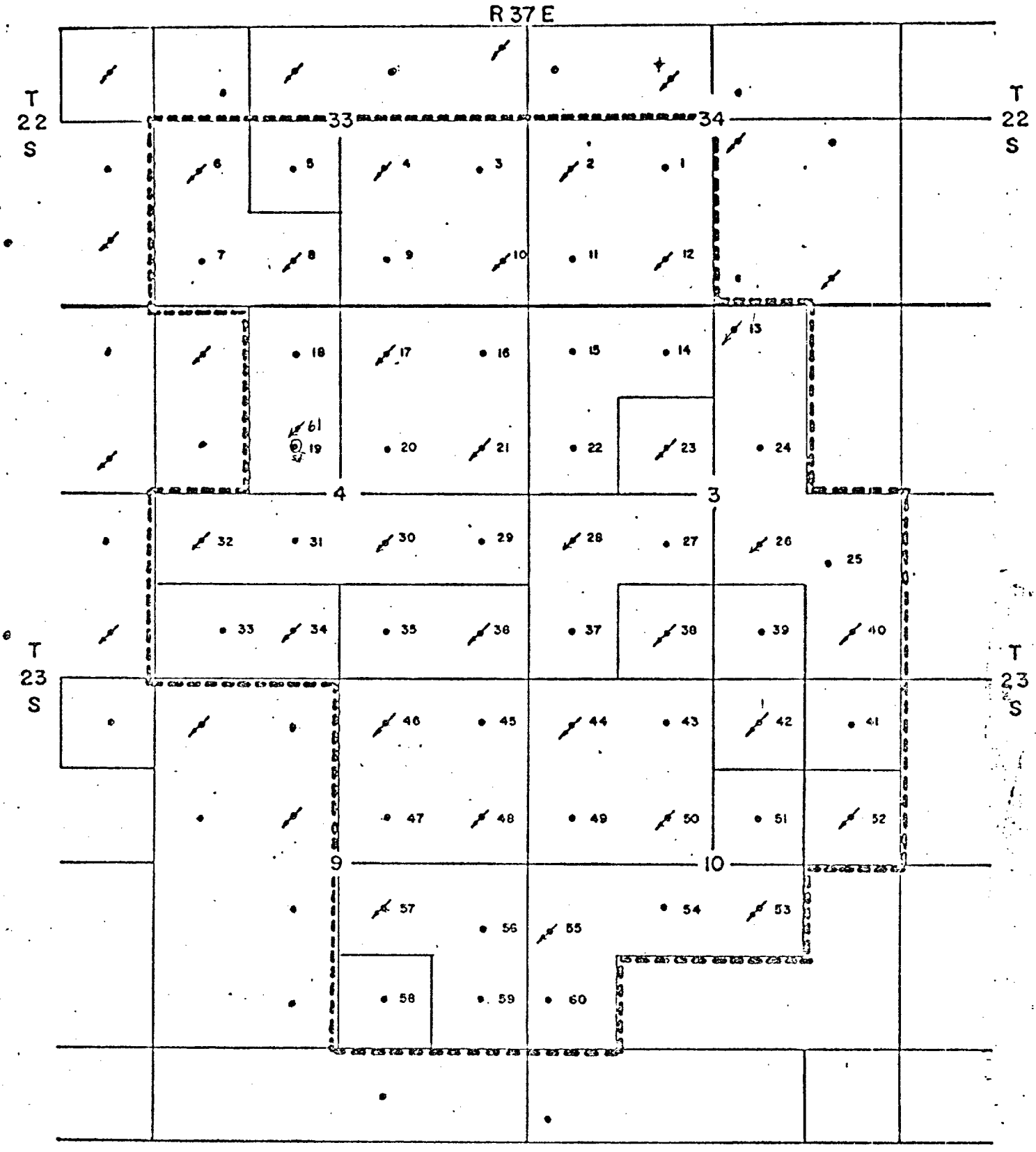
C. J. Love, Chairman
Working Interest Owners' Committee

OVS/rc
Attachment

Approved Nov 1 1972

A. L. Porter, Jr.
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

0' 1320' 2640' 3960' 5280'

SCALE

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

3538

January 11, 1972

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Re: 1972 Plan of Development and Operation, Skelly Penrose "A" Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1972 Plan of Development and Operation for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

IN REPLY REFER TO:

RECEIVED
DEC 22 1971
OIL CONSERVATION COMM.
SANTA FE

December 20, 1971

Skelly Oil Company
P.O. Box 1351
Midland, Texas 79701

Attention: Mr. C. J. Love

Gentlemen:

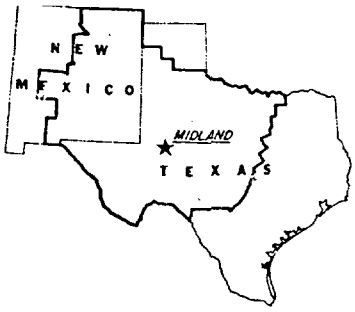
Your 1972 plan of development and operation, proposing to continue operations under the present waterflood pattern, for the Skelly Penrose "A" unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(Orig. Sigd) RONNIE E. SHOOK
RONNIE E. SHOOK
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only)



SKELLY

SKELLY OIL COMPANY

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT

C. J. LOVE, PRODUCTION MANAGER
B. A. STRICKLING, OPERATIONS SUPERINTENDENT
F. J. PETRO, DISTRICT PRODUCTION ENGINEER
J. D. MCCLAINE, DISTRICT RESERVOIR ENGINEER
K. E. BOHRER, OUTSIDE OPERATIONS SUPERVISOR

November 1, 1971

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

Re: Skelly Penrose "A" Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Box Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1972.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 Well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 Well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 10,677,612 barrels on October 1, 1971. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19, and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3700' in January, 1970, and converted to injection on 7-17-70. Average daily injection was 7,227 BWPD at 1457 psig during September, 1971.

Cumulative oil production from the Unit Area since unitization was 999,036 barrels on October 1, 1971. The average daily producing rate during September, 1971, was 801 barrels of oil. Operations were performed in December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water

handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968.

DEVELOPMENT PLANS FOR 1972

Plans are to continue operations under the planned flood pattern into the twenty-eight (28) wells now converted to injection service.

Conversion of the one injection well (No. 59) on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in other portions of the Unit. This should occur in 1972.

Very truly yours,

SKELLY OIL COMPANY

C. J. Love

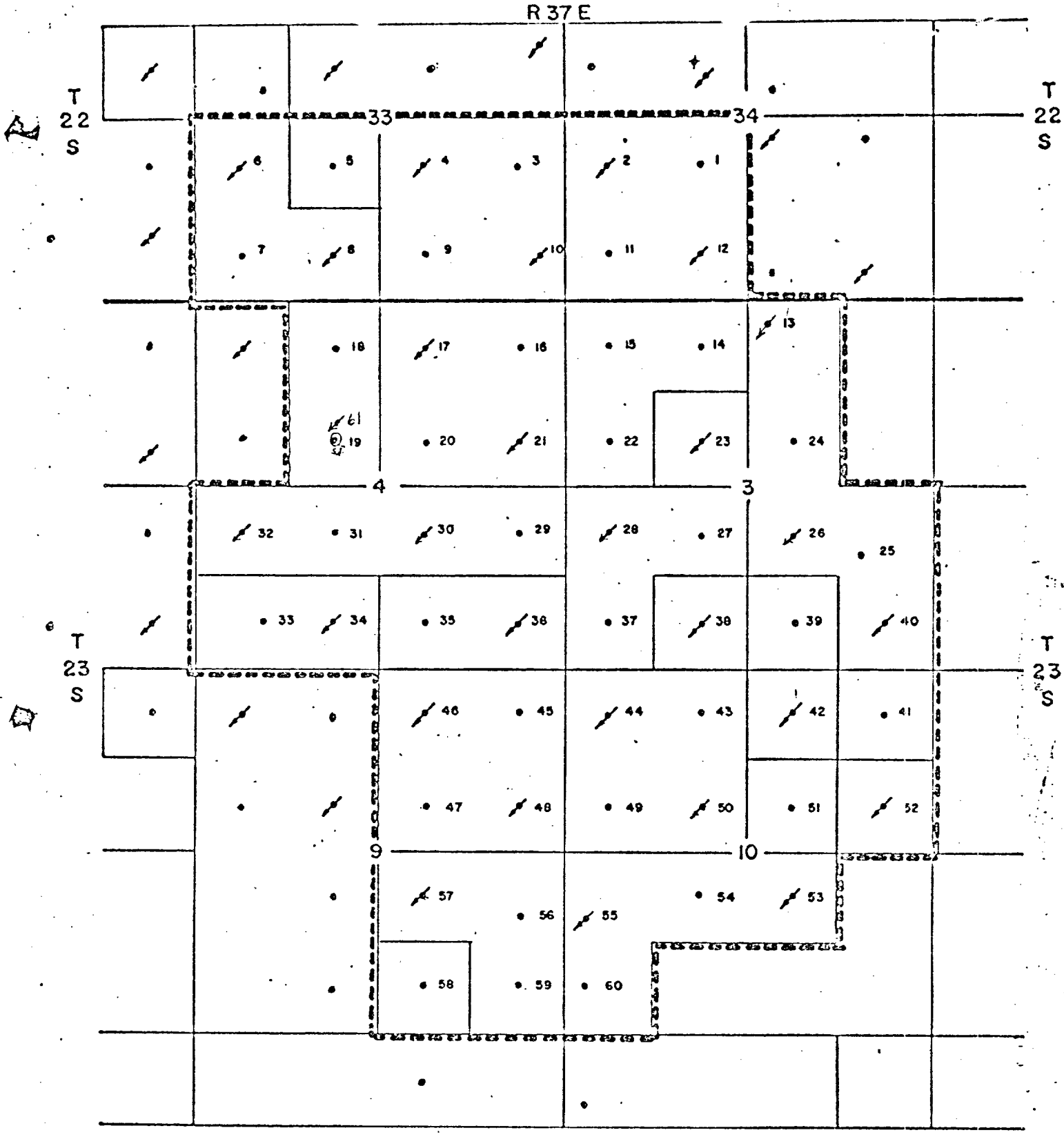
C. J. Love, Chairman
Working Interest Owners' Committee

OVS/mac
Attachment

Approved January 11 1972

A. L. Porter, Jr.
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO

0' 1320' 2640' 3960' 5280'
SCALE

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

'70 DEC 18 PM 3 57

December 16, 1970

3538

Skelly Oil Company
P.O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Gentlemen:

Your 1971 plan of development and operation, proposing to continue operations under the present waterflood pattern, for the Skelly Penrose "A" unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) N. O. FREDERICK

N. O. FREDERICK
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

November 24, 1970

3538

COPY

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Re: 1971 Plan of Development
Skelly Penrose "A", Unit
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development and Operation for the calendar year 1971 for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell

SKELLY OIL COMPANY

EXPLORATION & PRODUCTION DEPARTMENT
WEST CENTRAL DISTRICT
P. L. NUNLEY, PRODUCTION MANAGER
B. A. STRICKLING, OPERATIONS SUPERINTENDENT
C. J. LOVE, DISTRICT ENGINEER
F. J. PETRO, DISTRICT PRODUCTION ENGINEER
J. D. McCLAINE, DISTRICT RESERVOIR ENGINEER

November 1, 1970

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

Re: Skelly Penrose "A" Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1971.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September, 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October, 1967.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 Well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 Well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 2,994,211 barrels on October 1, 1970. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19, and completed as an injection well on April 8, 1969. Well No. 13 was deepened to 3700' in January, 1970, and converted to injection on 7-17-70. Average daily injection was 7,708 BWPD at 1272 psig during September, 1970.

Cumulative oil production from the Unit Area since unitization was 703,705 barrels on October 1, 1970. The average daily producing rate during September, 1970, was 813 barrels of oil. Operations were performed in December, 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water

handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968.

DEVELOPMENT PLANS FOR 1971

Plans are to continue operations under the planned flood pattern into the twenty-eight (28) wells now converted to injection service.

Conversion of the one injection well (No. 59) on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in other portions of the Unit. This should occur in 1971.

Very truly yours,

SKELLY OIL COMPANY

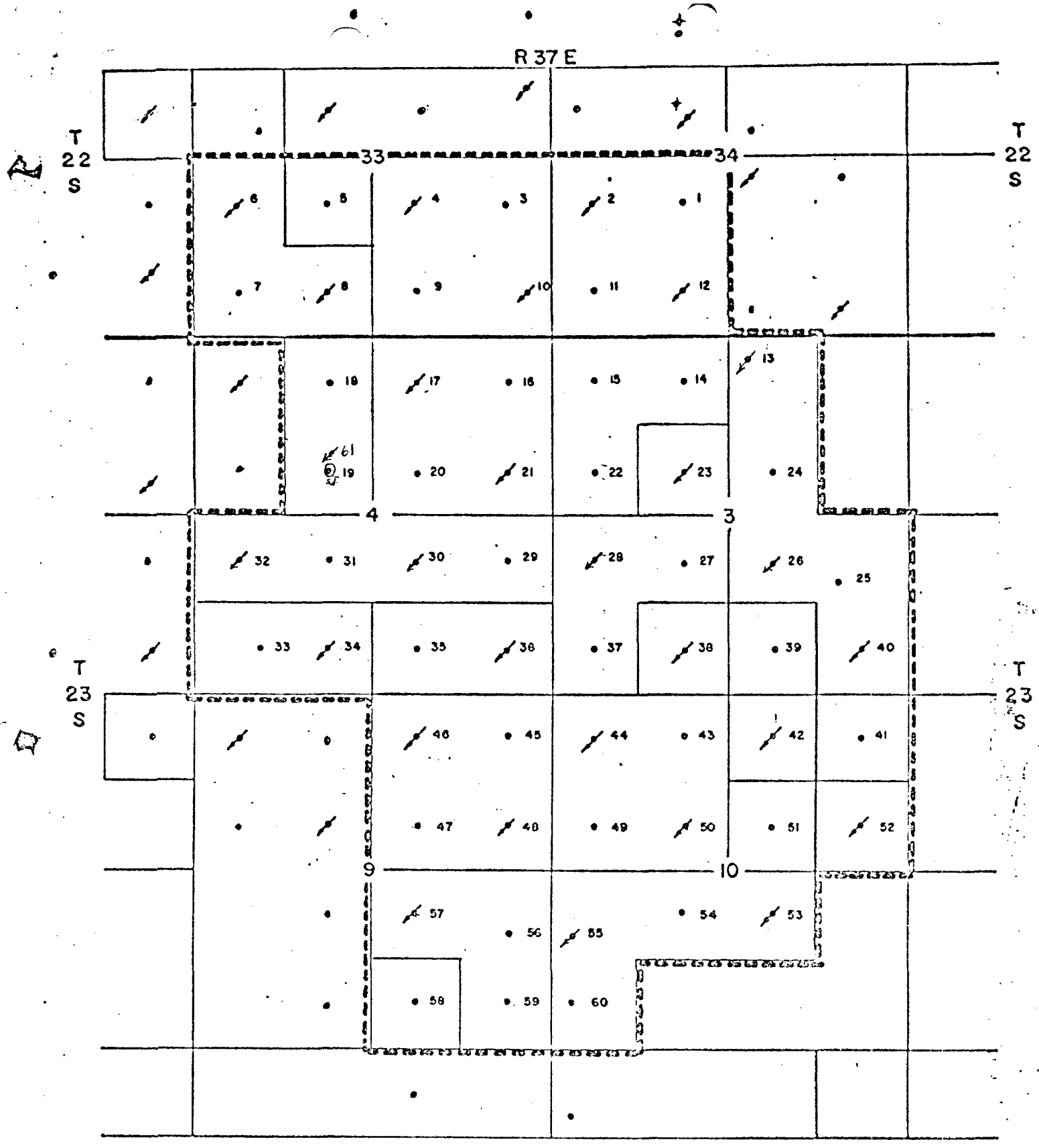
P. L. Nunley, Chairman
Working Interest Owners' Committee

OVS/scc
Attachment

Approved Nov. 24 1970

A. L. Porter
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO
0' 1320' 2640' 5280'
SCALE

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

January 22, 1970

3538

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Re: Plan of Development and Operation
Skelly Penrose "A" Unit, Lea County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1970 Plan of Development and Operation dated November 18, 1969, for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og
Enclosures

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

COPY

JAN 19 1970

Drawer 1857
Roswell, New Mexico 88201

January 15, 1970

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Attention: Mr. P. L. Nunley

Gentlemen:

Your 1970 plan of development and operation, proposing to continue operations under the present waterflood pattern, for the Skelly Penrose "A" unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr. only)

SKELLY OIL COMPANY
P. O. Box 1351 Midland, Texas 79701

November 10, 1969

Re: Skelly Penrose "A" Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1970.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October 1967.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 Well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 Well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 7,696,447 barrels on September 1, 1969. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and the well was plugged on May 24, 1968. Well No. 61 was drilled as a replacement for Well No. 19, and completed as an injection well on April 8, 1969. Average daily injection was 7,664 BWPD at 1256 psig during August 1969.

Cumulative oil production from the Unit Area since unitization was 434,768 barrels on September 1, 1969. The average daily producing rate during August 1969, was 464 barrels of oil. Operations were performed in December 1967, to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water were included in this project which was operational by

March 1, 1968.

DEVELOPMENT PLANS FOR 1970

Plans are to continue operations under the planned flood pattern into the twenty-seven (27) wells now converted to injection service.

Conversion of the one injection well (No. 59) on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit.

Well No. 13 will be converted to injection service when water volumes indicate that this area has been swept by adjacent flood operations. This could occur in 1970.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in other portions of the Unit. This should occur in 1970.

Very truly yours
SKELLY OIL COMPANY

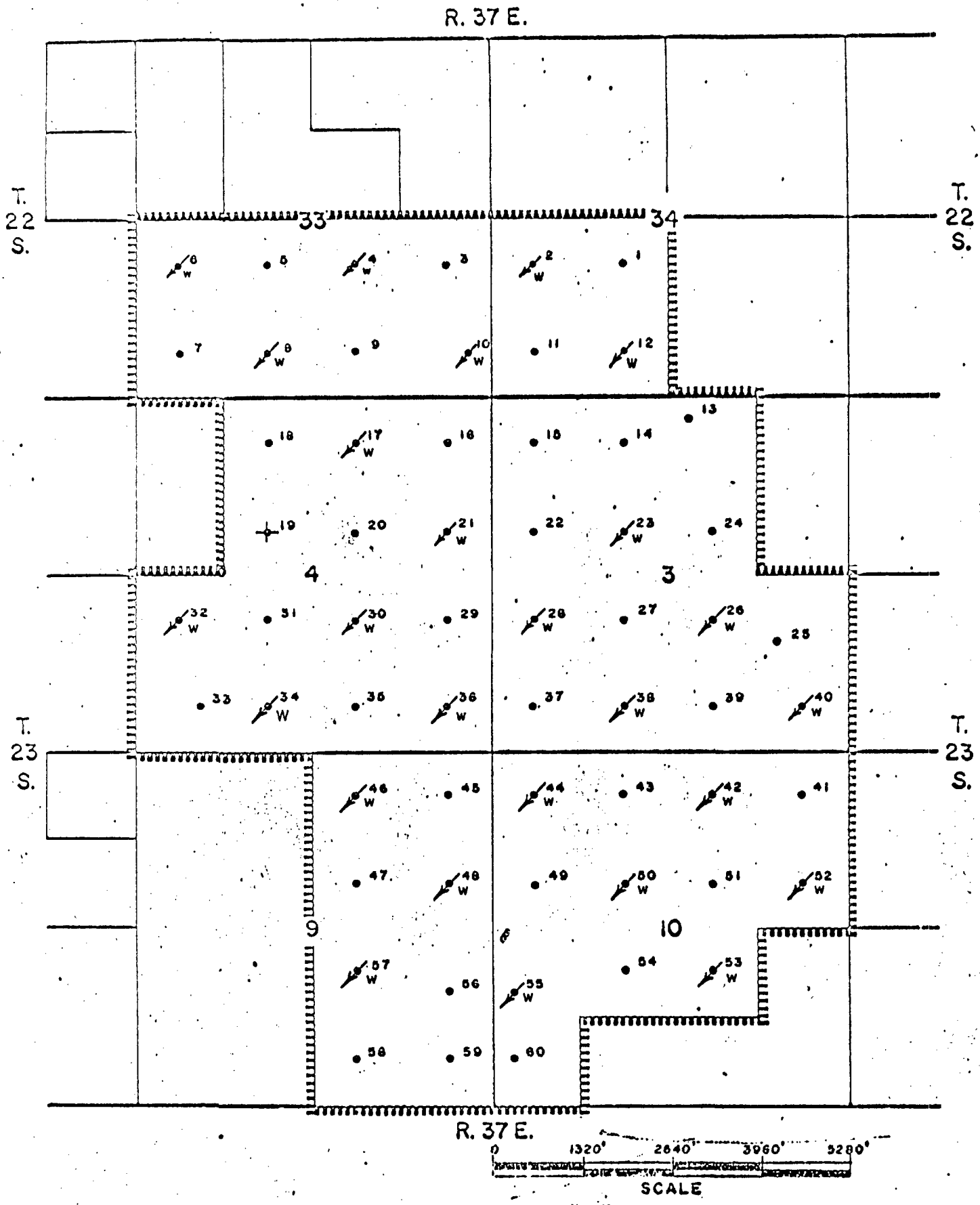
P. L. Nunley, Chairman
WORKING INTEREST OWNERS COMMITTEE

OVS/ljm

Approved January 23 1970

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

February 6, 1969

3538

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. V. E. Fletcher

Re: 1969 Plan of Development
Skelly Penrose "A" Unit,
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1969 Plan of Development dated November 25, 1969, for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og
Enclosures

cc: United States Geological Survey
Roswell, New Mexico

COPY

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 28, 1969

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. V. E. Fletcher

Gentlemen:

Your 1969 plan of development and operation, proposing to continue waterflood operations for the Skelly Penrose "A" unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy. of plan)
Hobbs (w/cy. of plan)
NMOCC, Santa Fe (ltr. only)

SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico 88240
November 25, 1968

Re: Skelly Penrose "A" Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico 87501

All Working Interest Owners

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1969.

PAST OPERATIONS

The Skelly Penrose "A" Unit became effective May 1, 1967. In September 1967, work began to install injection facilities for full-scale waterflood operations. Twenty-four (24) additional wells were converted to injection service. Injection into these wells commenced in September and October 1967.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 Well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 Well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization for the Unit was 2,439,005 barrels on October 1, 1968. Attempts to convert Well No. 19 to injection were unsuccessful because of casing failure and the well was plugged on May 24, 1968.

Cumulative oil production from the Unit Area since unitization was 73,022 barrels on October 1, 1968. The average daily producing rate during September, 1968 was 192 barrels of oil. Operations were performed in December 1967 to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water were included in this project which was operational by March 1, 1968.

DEVELOPMENT PLANS FOR 1969

Plans are to continue operations under the planned flood pattern into the

twenty-six (26) wells now converted to injection service.

Conversion of the one injection well (No. 59) on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit.

Well No. 13 will be converted to injection service when water volumes indicate that this area has been swept by adjacent flood operations. This could occur in 1969.

Conversion of Well No. 15 has been delayed because of oil production rate until significant response is experienced in other portions of the Unit. This should occur in 1969.

Drilling of Well No. 61 as a replacement for Well No. 19 has been delayed pending significant response on wells in the vicinity. This should occur in 1969.

Very truly yours,
SKELLY OIL COMPANY

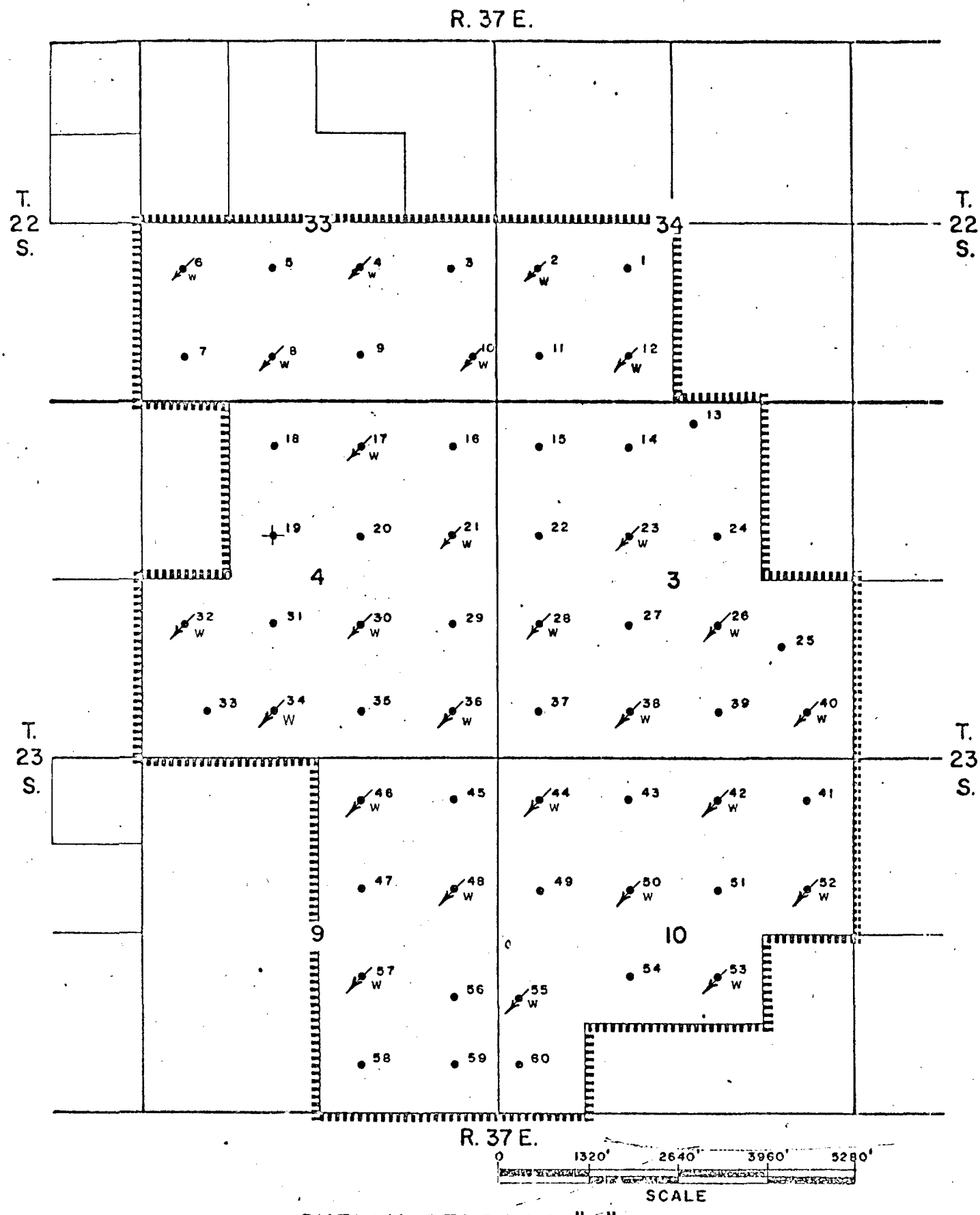
V. E. Fletcher, Chairman
WORKING INTEREST OWNERS COMMITTEE

OVS/bh

Approved Feb 6 1969

A. L. Porter, Jr.
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

September 24, 1968

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. V. E. Fletcher

Gentlemen:

Your letter of September 3, 1968, transmitted a proposed border protection agreement in which Skelly, as operator of the Skelly Penrose "A" unit, and Anadarko Production Company, as operator of the Langlie Mattix Penrose Sand unit, will cooperate in water flooding the common boundary between the two units involving secs. 33 and 34, T. 22 S., R. 37 E., Lea County, New Mexico. You state in your letter that you have received written concurrence from sufficient working interest owners to comply with section 36 of the Skelly Penrose "A" unit agreement. Such border agreement has been approved on this date.

Please send three copies of the agreement, including one with original signatures to this office after it has been executed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Hobbs
NMOCC, Santa Fe

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

3228

Drawer 1857
Roswell, New Mexico 88201

January 5, 1968

Shelly Oil Company
P. O. Box 730
Hobbs, New Mexico 88240

Attention: Mr. V. E. Fletcher

Gentlemen:

Your 1968 plan of development and operation, proposing the continued conversion of wells to water injection service for the Shelly Penrose "A" unit, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy. of plan)
Hobbs (w/cy. of plan)
NMOCC, Santa Fe (ltr. only)

MAIN OFFICE

'68 JAN 8 AM 8 13

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

3538

January 4, 1968

COPY

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

Attention: Mr. V. E. Fletcher

Re: 1968 Plan of Development
Skelly Penrose "A" Unit
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1968 Plan of Development dated November 16, 1967, for the Skelly Penrose "A" Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the plan are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og
Enclosures

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico
November 16, 1967

Re: Skelly Penrose "A" Unit
Lea County, New Mexico

Director (6)
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico

Oil Conservation Commission of (3)
The State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

All Working Interest Owners

'67 DEC 11 AM 8 18

Gentlemen:

In accordance with Section 12 of the Unit Agreement for the Development and Operation of the Skelly Penrose "A" Unit, Lea County, New Mexico; Skelly Oil Company respectfully submits for your approval a report of past operations and a plan of development and operation for the waterflood unit for the year 1968.

PAST OPERATIONS:

The Skelly Penrose "A" Unit became effective May 1, 1967. In September 1967, work began to install injection facilities for full scale waterflood operations. Twenty-eight (28) wells are now being converted to injection service. Injection into these wells is expected to commence in the near future.

A pilot waterflood was in operation on Skelly's H. O. Sims lease prior to unitization. Cumulative injection into the H. O. Sims No. 9 Well (Unit No. 2) was 984,643 barrels on May 1, 1967. Cumulative injection into the H. O. Sims No. 8 Well (Unit No. 12) was 1,654,375 barrels on May 1, 1967. Cumulative injection since unitization on these wells was 38,885 barrels on October 1, 1967.

Cumulative oil production from the Unit Area since unitization was 21,262 barrels on October 1, 1967. The average daily producing rate during September, 1967 was 131 barrels of oil. Operations are expected to start in the near future to consolidate producing facilities and install well test facilities. Gathering lines and water handling equipment to facilitate recycling of produced water are included in this project which is expected to be operational by January 1, 1968.

DEVELOPMENT PLANS FOR 1968:

Plans are to continue operations under the planned flood pattern into the twenty-eight(28) wells now being converted to injection service.

Conversion of the one injection well on the southern boundary of the Skelly Penrose "A" Unit will be delayed until lease line agreement can be made with the proposed Skelly Penrose "C" Unit.

Well No. 13 will be converted to injection service when water volumes indicate that this area has been swept by adjacent flood operations. This could occur in 1968.

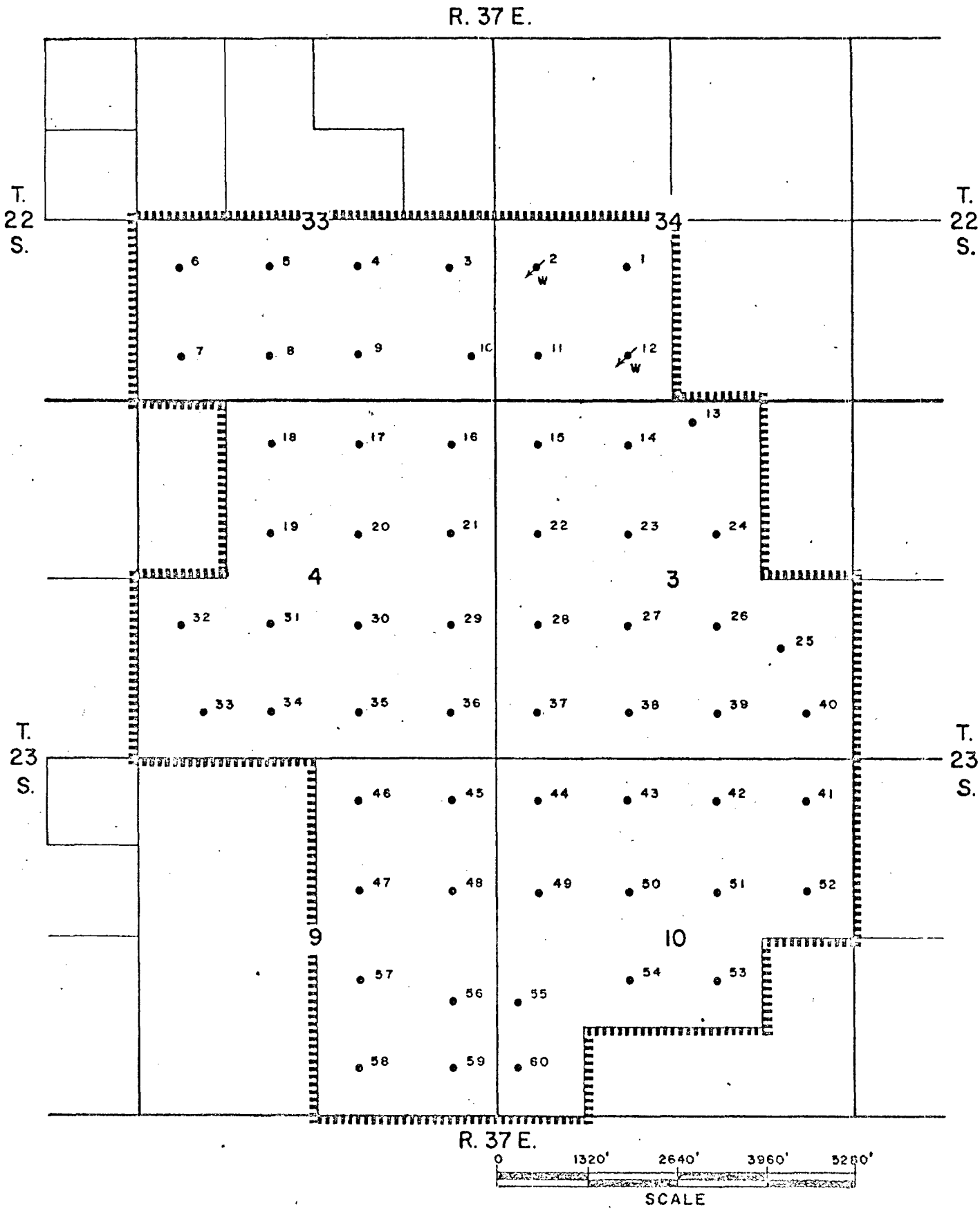
Very truly yours,
SKELLY OIL COMPANY

V. E. Fletcher, Chairman
Working Interest Owners Committee

Approved Jan. 4 1968

Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION



SKELLY PENROSE "A" UNIT

LEA COUNTY, NEW MEXICO

3538

Drawer 1857
Roswell, New Mexico 88201

June 13, 1967

Skelly Oil Company
P. O. Box 1650
Tulsa, Oklahoma 74102

Attention: Mr. Barton W. Ratliff

Gentlemen:

Your letter of June 7 transmits a Certificate of Effectiveness for the Skelly Penrose "A" unit agreement, Lea County, New Mexico, showing the effective date of the unit agreement as May 1, 1967.

Copies of the Certificate are being distributed to the appropriate Federal offices.

Sincerely yours,

(ORIG. SGD.) BILLY J. SHOGER

BILLY J. SHOGER
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of cert.)
Hobbs (w/cy of cert.)
BLM, Santa Fe (w/cy of cert.)
NMOCC, Santa Fe (ltr. only)
Accounts

MAIN OFFICE

'67 JUN 14 AM 10 52

SKELLY OIL COMPANY

P. O. BOX 1650

TULSA, OKLAHOMA 74102

June 7, 1967

PRODUCTION DEPARTMENT
C.L. BLACKSHER, VICE PRESIDENT
W.P. WHITMORE, MGR. PRODUCTION
W.D. CARSON, MGR. TECHNICAL SERVICES
BARTON W. RATLIFF, MGR. JOINT OPERATIONS
GEORGE W. SELINGER, MGR. CONSERVATION

File: Skelly Penrose "A" Unit
Lease No. 00978
Lea County, New Mexico

New Mexico Oil Conservation
Commission
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. A. L. Porter, Jr.

Gentlemen:

Attached for your records are two (2) copies of the recorded Certificate of Effectiveness for the captioned unit.

Very truly yours,

Barton W. Ratliff (KEJ)

JGK:bls
Attach. (2)

CERTIFICATE OF EFFECTIVENESS
SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO
EFFECTIVE DATE: MAY 1, 1967

WHEREAS, a Unit Agreement dated April 1, 1965, unitizing working and royalty interest in the Skelly Penrose "A" Unit Area was approved by the Oil Conservation Commission for the State of New Mexico, by Order No. R-3207, dated March 17, 1967, and by the United States Geological Survey by Certification-Determination dated April 2, 1967; and

WHEREAS, said Unit Agreement provided further for the filing of at least one executed counterpart for record in the Office of the County Clerk of Lea County, New Mexico, which said filing has been made as evidenced in Book 260, Page 450 through 486, of the Miscellaneous Records of the County Clerk's Office, Lea County, New Mexico; and

WHEREAS, said Unit Agreement further provides that Unit Operator shall, within thirty (30) days after the effective date, file for record in the office where a counterpart of the agreement is recorded a certificate to the effect that said agreement has become effective according to its terms and stating further the effective date; and

WHEREAS, all Tracts shown on Exhibit "A" and described in Exhibit "B" of said Unit Agreement were qualified for inclusion in the unit as of the effective date under Section 14 of said Unit Agreement.

NOW, THEREFORE, Skelly Oil Company, as Unit Operator, does hereby declare and certify that the effective date of said unit is 7:00 A.M., M.S.T., May 1, 1967, and that the description of the lands as to which said unit is effective is as follows:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 33: S/2
Section 34: SW/4

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM

Section 3: Lots 2, 3 and 4; S/2 NW/4, SW/4 NE/4, and S/2
Section 4: Lots 1, 2 and 3; SE/4 NW/4, S/2 NE/4, and S/2
Section 9: E/2
Section 10: N/2, N/2 SW/4, SW/4 SW/4, and NW/4 SE/4

containing 2,426.85 acres, more or less.

The Unitized Formation is the Langlie Mattix Formation underlying the Unit Area, as more fully identified and delineated in the Unit Agreement, reference to which and the record thereof is here made for all purposes.

IN WITNESS WHEREOF, this certificate is executed this 22nd day of May, 1967, by the undersigned, as Unit Operator.

SKELLY OIL COMPANY

ATTEST:

R. Kendall Sherrill
Assistant Secretary

By C. L. Blacksher
Vice President

Approved as to Form

STATE OF OKLAHOMA)
) SS:
COUNTY OF TULSA)

The foregoing instrument was acknowledged before me this 22nd day of May, 1967, by C. L. BLACKSHER, Vice President of SKELLY OIL COMPANY, a Delaware corporation, on behalf of said corporation.

Doris L. Allen
Notary Public

My commission expires:
My Commission Expires May 31, 1967

STATE OF NEW MEXICO
COUNTY OF LEA
FILED

MAY 25 1967

at 10:35 o'clock A M
and Recorded in Book 263
Page 454
EFFIE HALDIMAN, County Clerk
By Jana Rice Deputy

CERTIFICATE OF EFFECTIVENESS
SKELLY PENROSE "A" UNIT
LEA COUNTY, NEW MEXICO
EFFECTIVE DATE: MAY 1, 1967

4660

WHEREAS, a Unit Agreement dated April 1, 1965, unitizing working and royalty interest in the Skelly Penrose "A" Unit Area was approved by the Oil Conservation Commission for the State of New Mexico, by Order No. R-3207, dated March 17, 1967, and by the United States Geological Survey by Certification-Determination dated April 2, 1967; and

WHEREAS, said Unit Agreement provided further for the filing of at least one executed counterpart for record in the Office of the County Clerk of Lea County, New Mexico, which said filing has been made as evidenced in Book 260, Page 450 through 486, of the Miscellaneous Records of the County Clerk's Office, Lea County, New Mexico; and

WHEREAS, said Unit Agreement further provides that Unit Operator shall, within thirty (30) days after the effective date, file for record in the office where a counterpart of the agreement is recorded a certificate to the effect that said agreement has become effective according to its terms and stating further the effective date; and

WHEREAS, all Tracts shown on Exhibit "A" and described in Exhibit "B" of said Unit Agreement were qualified for inclusion in the unit as of the effective date under Section 14 of said Unit Agreement.

NOW, THEREFORE, Skelly Oil Company, as Unit Operator, does hereby declare and certify that the effective date of said unit is 7:00 A.M., M.S.T., May 1, 1967, and that the description of the lands as to which said unit is effective is as follows:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 33: S/2
Section 34: SW/4

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM

Section 3: Lots 2, 3 and 4; S/2 NW/4, SW/4 NE/4, and S/2
Section 4: Lots 1, 2 and 3; SE/4 NW/4, S/2 NE/4, and S/2
Section 9: E/2
Section 10: N/2, N/2 SW/4, SW/4 SW/4, and NW/4 SE/4

containing 2,426.85 acres, more or less.

The Unitized Formation is the Langlie Mattix Formation underlying the Unit Area, as more fully identified and delineated in the Unit Agreement, reference to which and the record thereof is here made for all purposes.

IN WITNESS WHEREOF, this certificate is executed this 22nd day of May, 1967, by the undersigned, as Unit Operator.

SKELLY OIL COMPANY

ATTEST:

R. Kendall Sherrill
Assistant Secretary

By C. L. Blacksher
Vice President

Approved as to Form

STATE OF OKLAHOMA)
) SS:
COUNTY OF TULSA)

The foregoing instrument was acknowledged before me this 22nd day of May, 1967, by C. L. BLACKSHER, Vice President of SKELLY OIL COMPANY, a Delaware corporation, on behalf of said corporation.

Doris L. Allen
Notary Public

My commission expires:
My Commission Expires May 31, 1967

STATE OF NEW MEXICO
COUNTY OF LEA
FILED

MAY 25 1967

at 10:35 o'clock A M
and Recorded in Book 263
Page 454
EFFIE HALDIMAN, County Clerk
By Jana Rice Deputy

SKELLY OIL COMPANY

P. O. BOX 1650

TULSA, OKLAHOMA 74102

PRODUCTION DEPARTMENT

C.L. BLACKSHER, VICE PRESIDENT

W.P. WHITMORE, MGR. PRODUCTION
W.D. CARSON, MGR. TECHNICAL SERVICES
BARTON W. RATLIFF, MGR. JOINT OPERATIONS
GEORGE W. SELINGER, MGR. CONSERVATION

May 11, 1967

Re: Skelly Penrose "A" Unit
Order No. R-3207

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

Dear Mr. Porter:

As required by Order No. R-3207 we are attaching certified copy of the Unit Agreement for the Skelly Penrose "A" Unit, together with a copy of the counterparts of the Unit Agreement reflecting the subscription of those interests having joined or ratified.

Yours very truly,

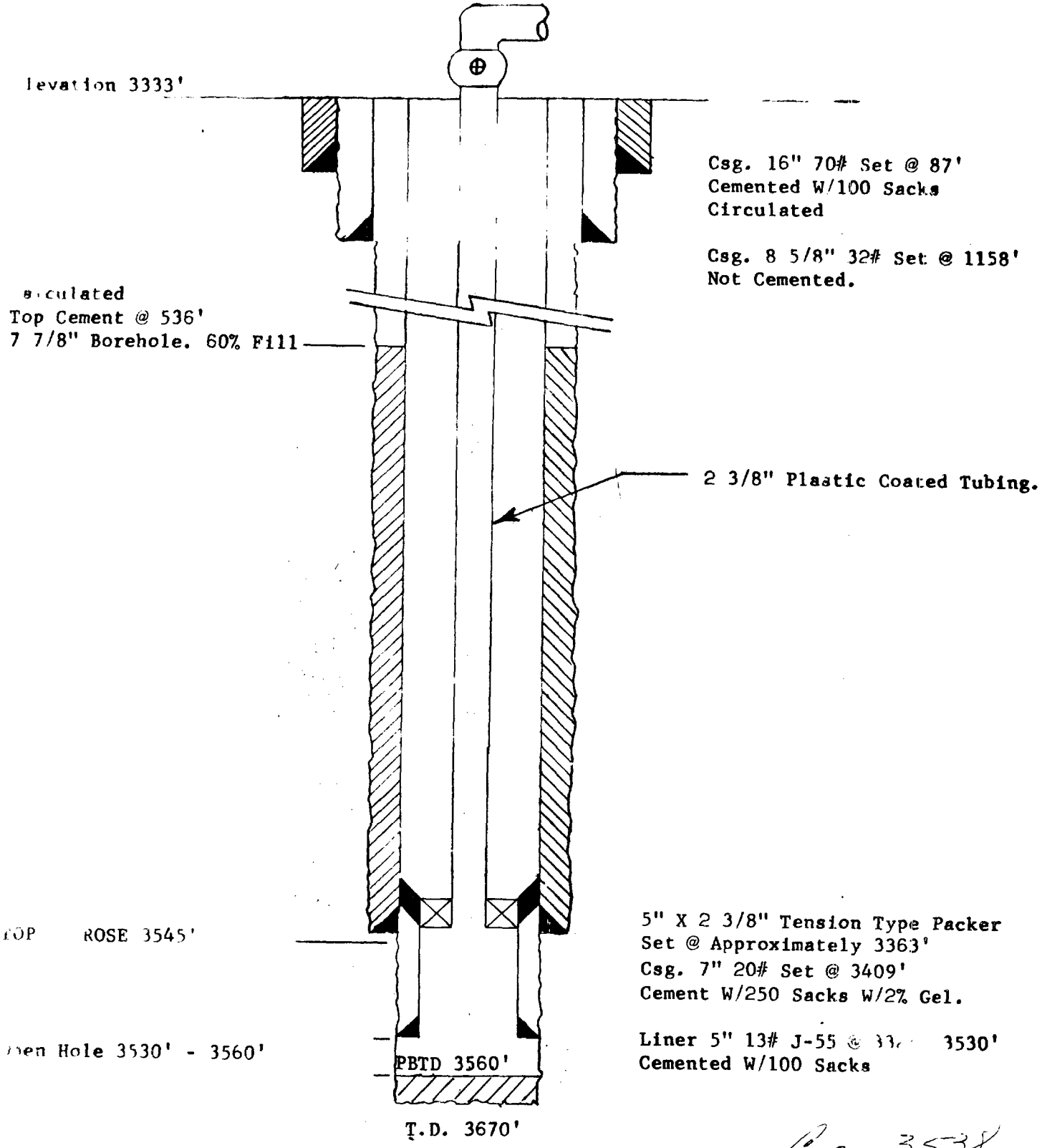
George W. Selinger

RJJ:br
Attach.

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

H. O. SIMS NO. 9
1980' FSL & 660' FWL, Sec. 34, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

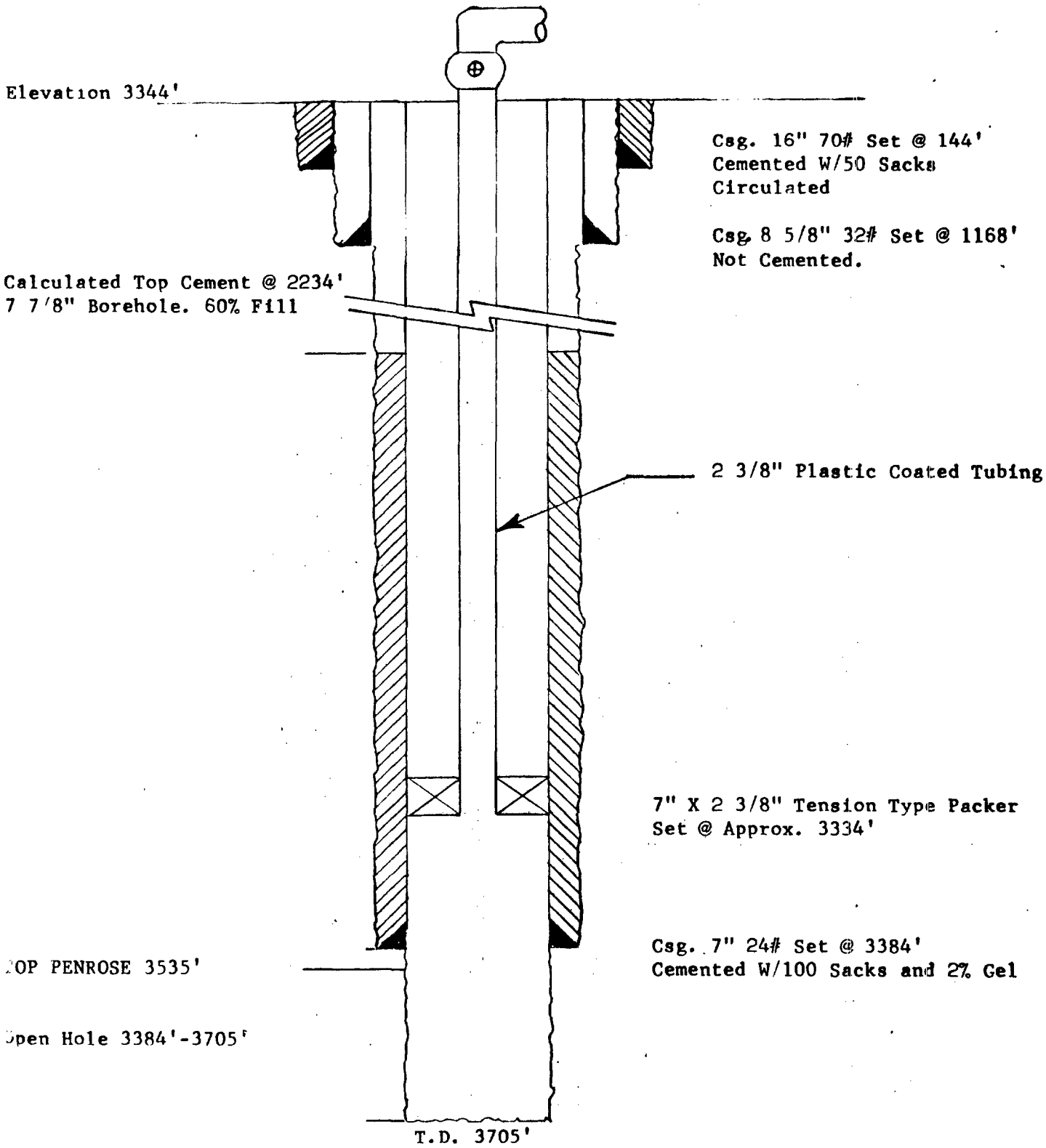


Case 3538
Exhibit "B"

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

H. O. SIMS NO. 5
1980' FSL & 1980' FEL, Sec. 33, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

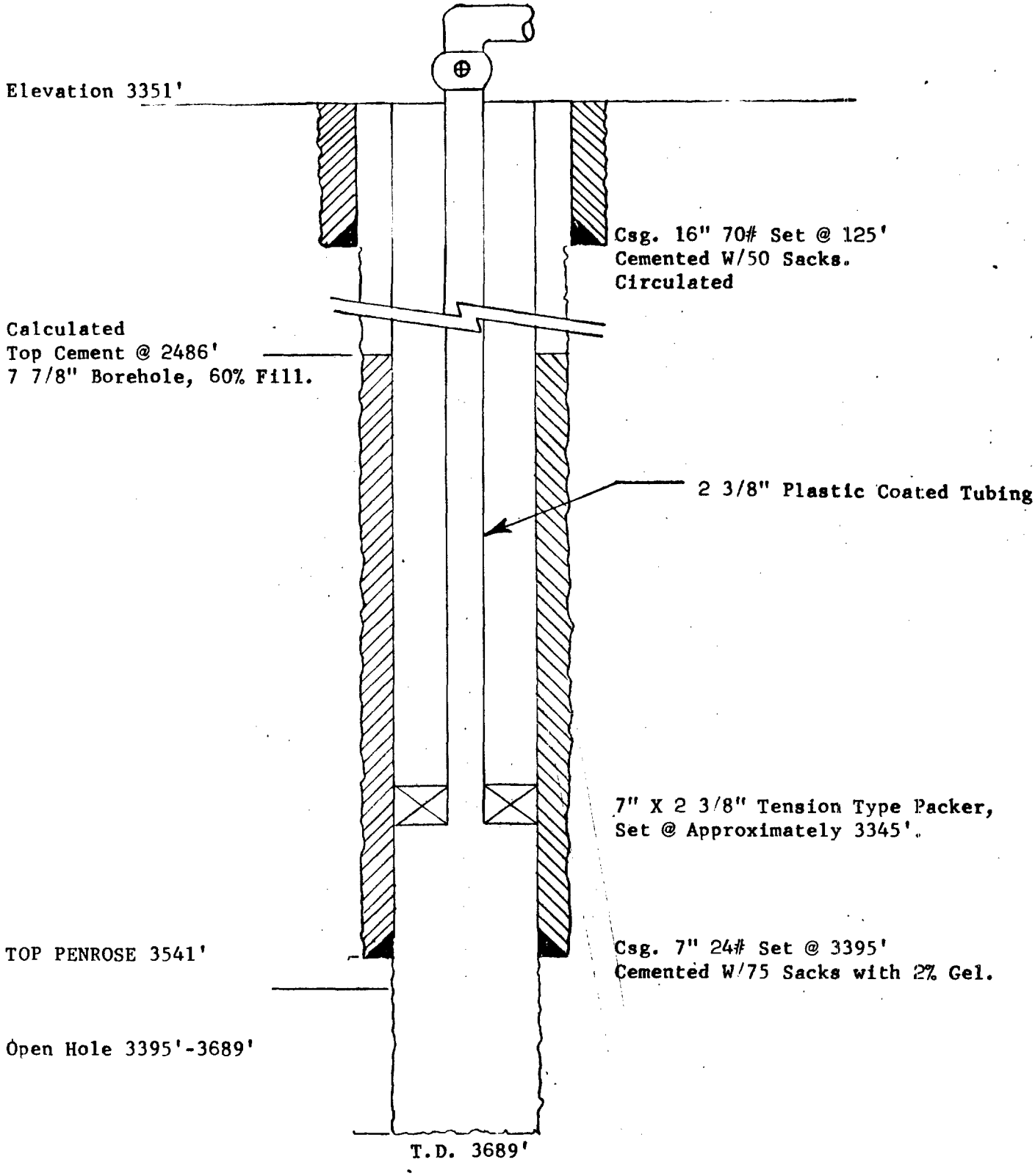


Case 3538

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

KING "A" NO. 2
1980' FSL & 660' FWL, Sec. 33, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

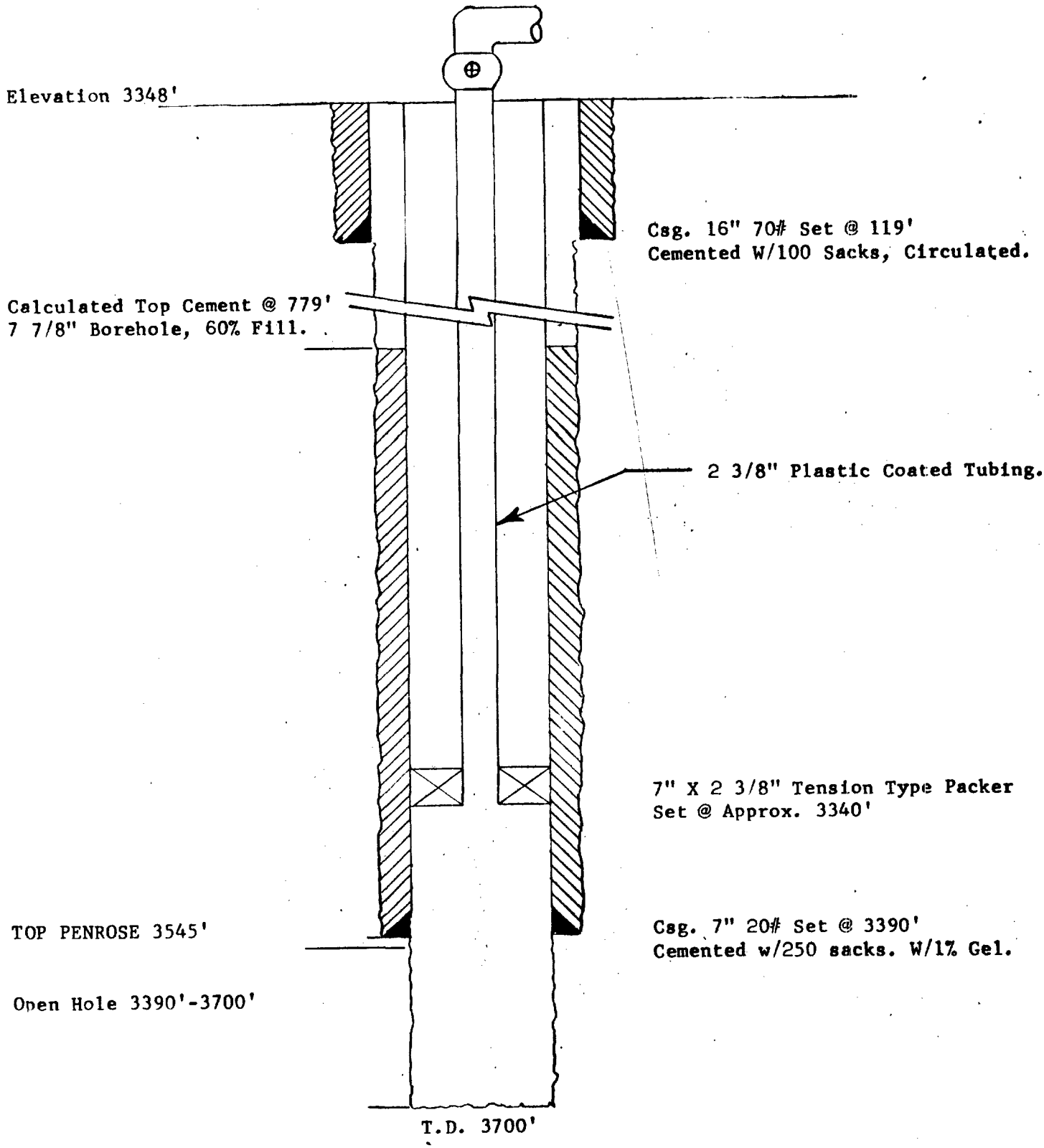


Case 3538

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

KING "A" NO. 3
660' FSL & 1980' FWL, Sec. 33, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

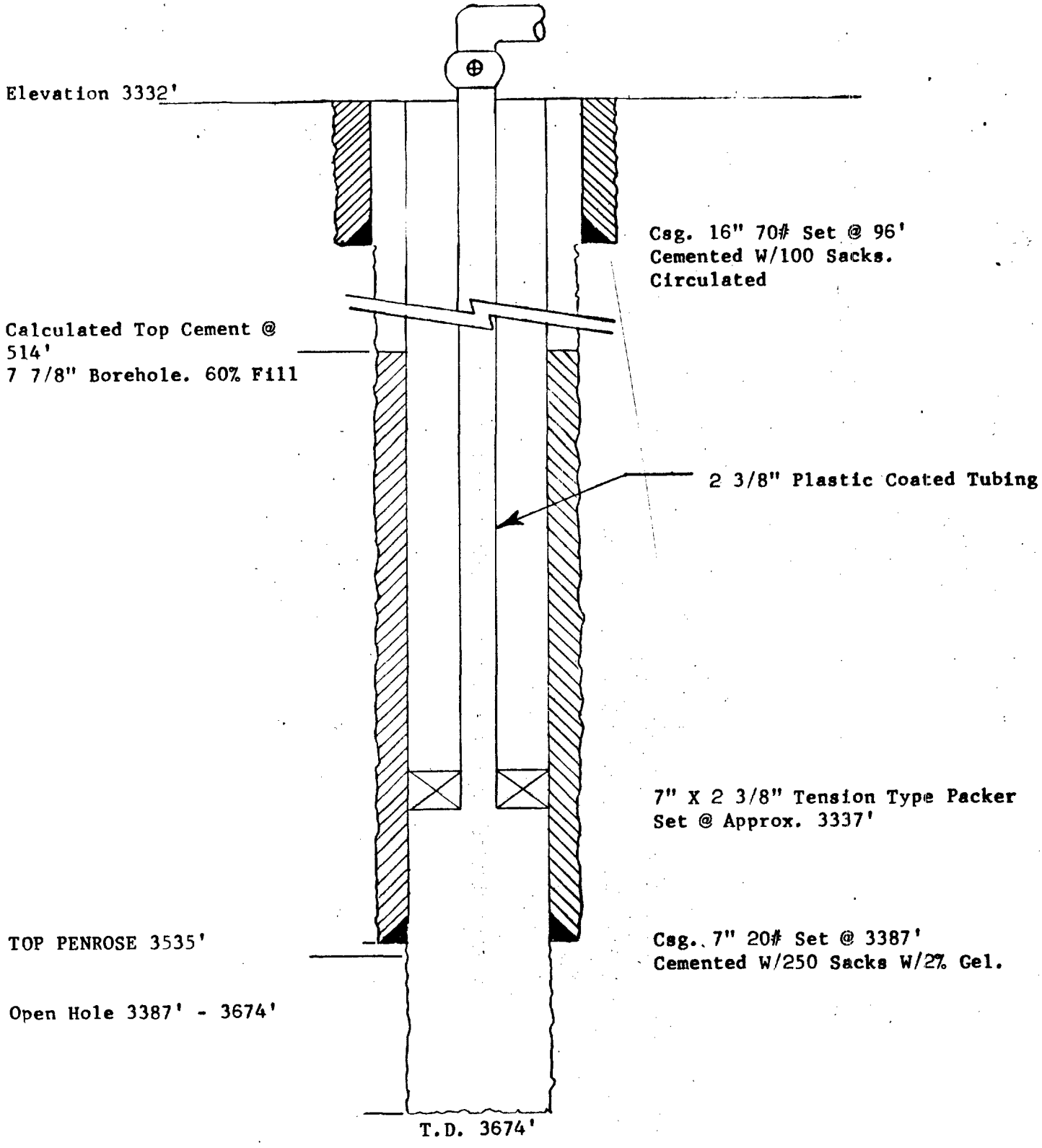


Case 3528

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

H. O. SIMS NO. 15
660' FSL & 330' FEL, Sec. 33, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

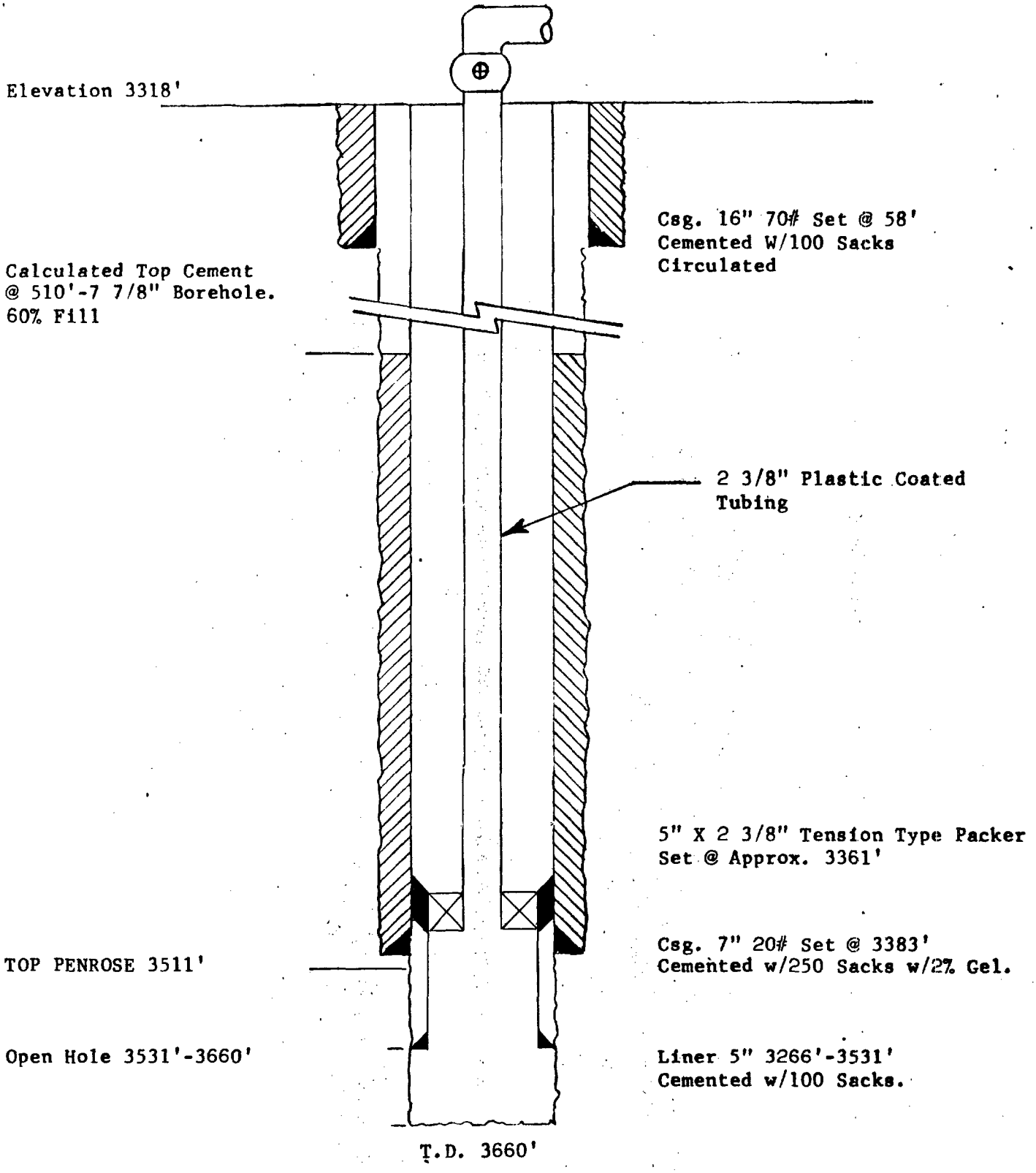


Case 3538

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

H. O. SIMS NO. 8
660' FSL & 1980' FWL, SECTION 34, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

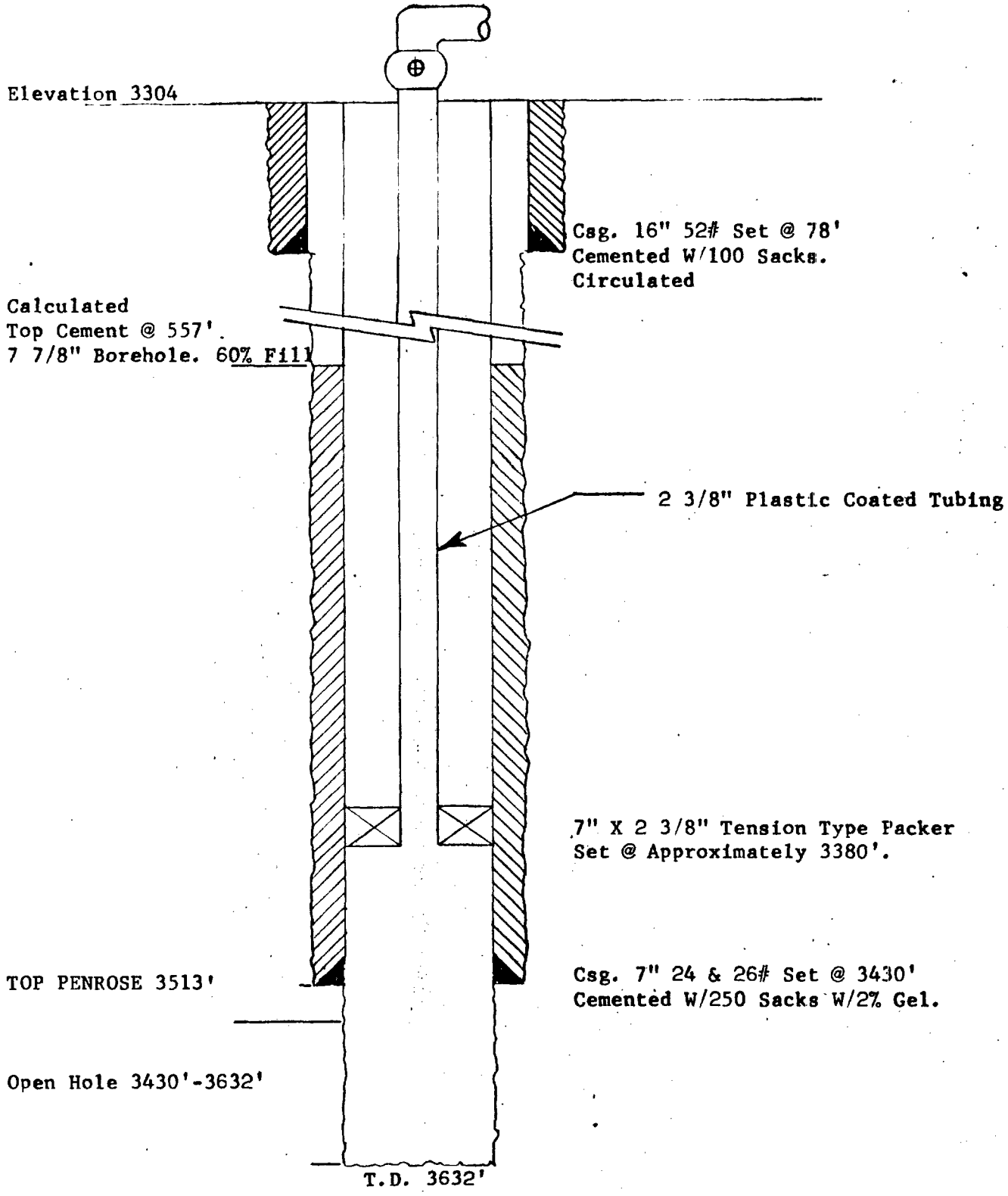


Case 3538

PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

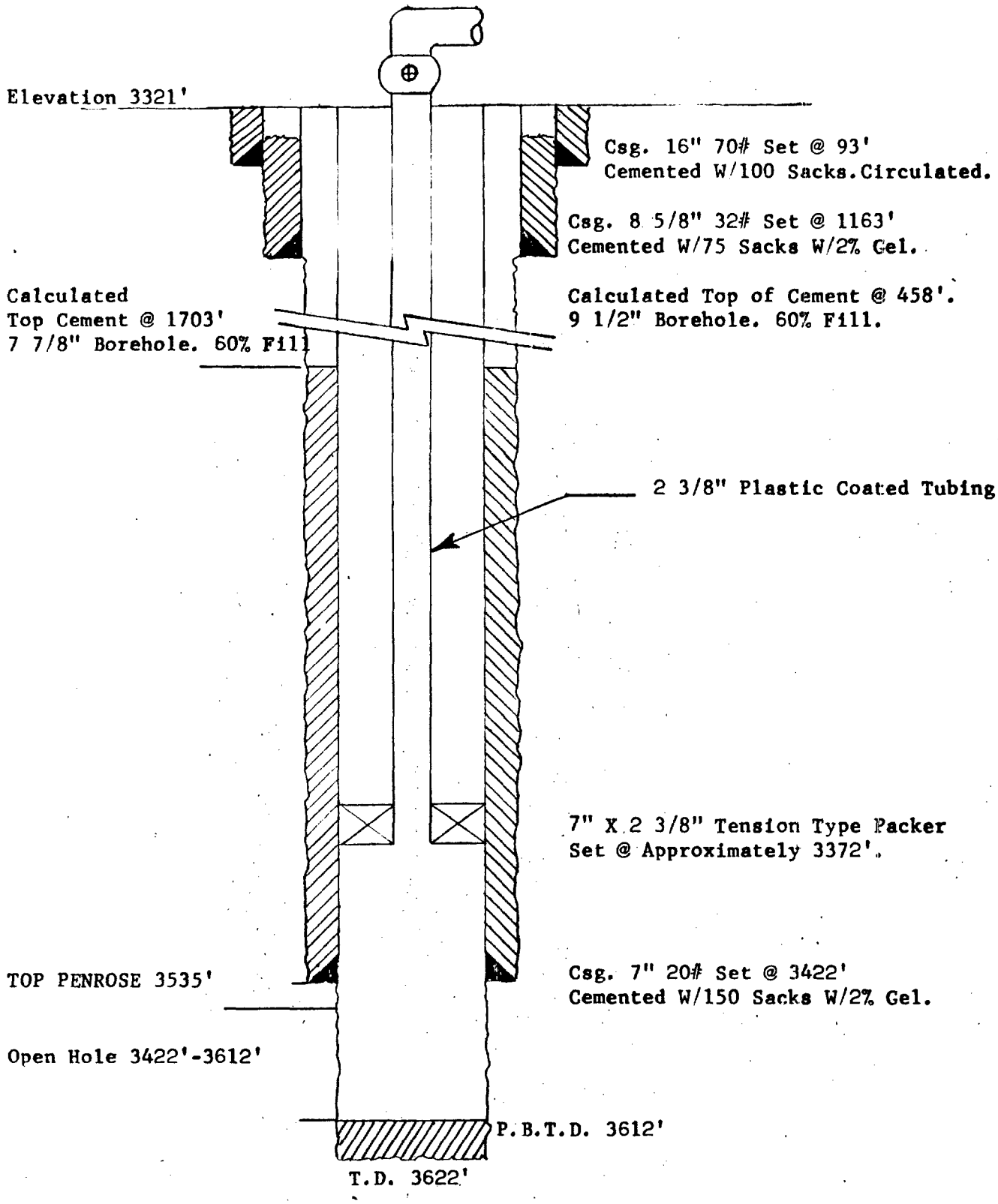
ELLEN SIMS NO. 5
330' FNL & 2310' FEL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

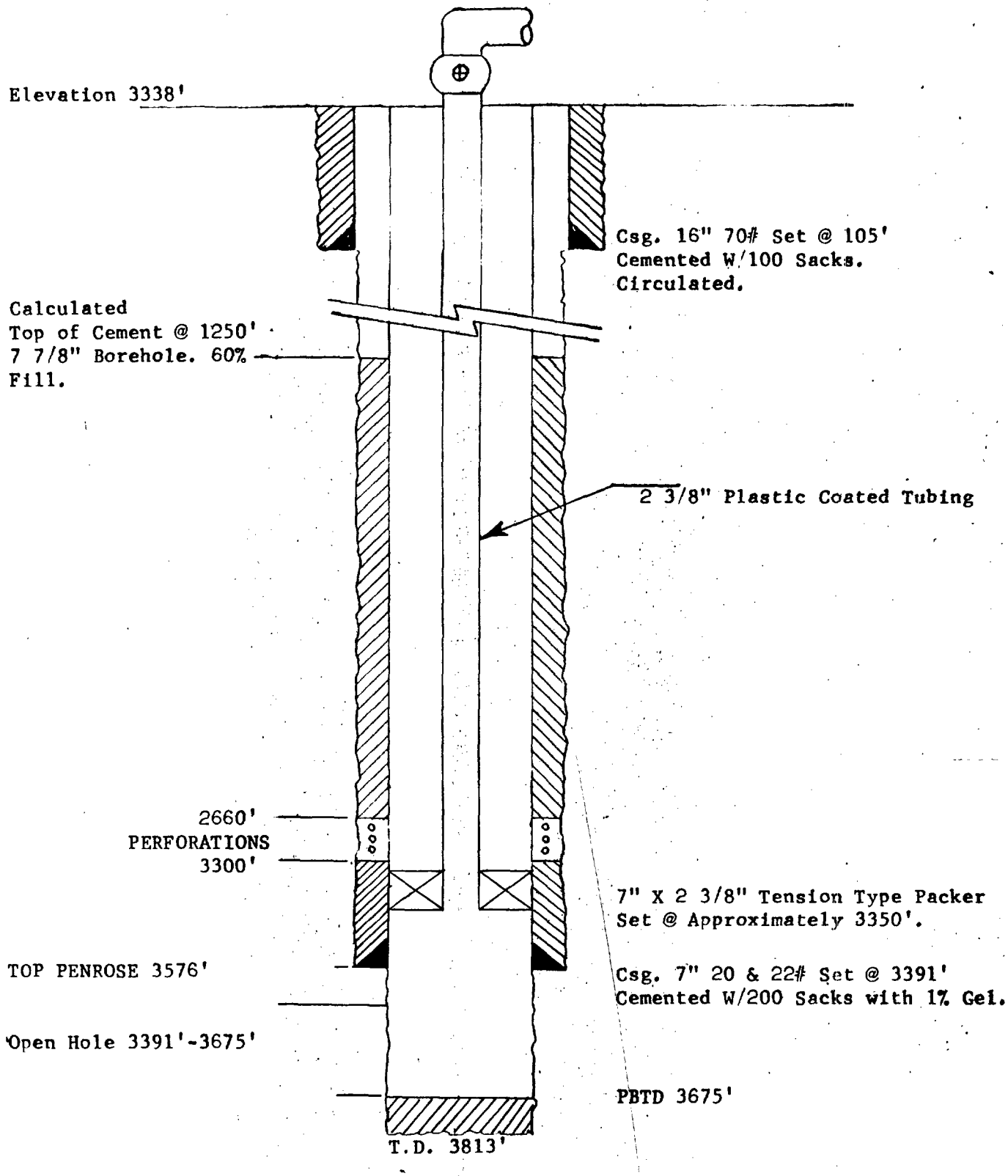
H. O. SIMS NO. 4
660' FNL & 660' FWL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

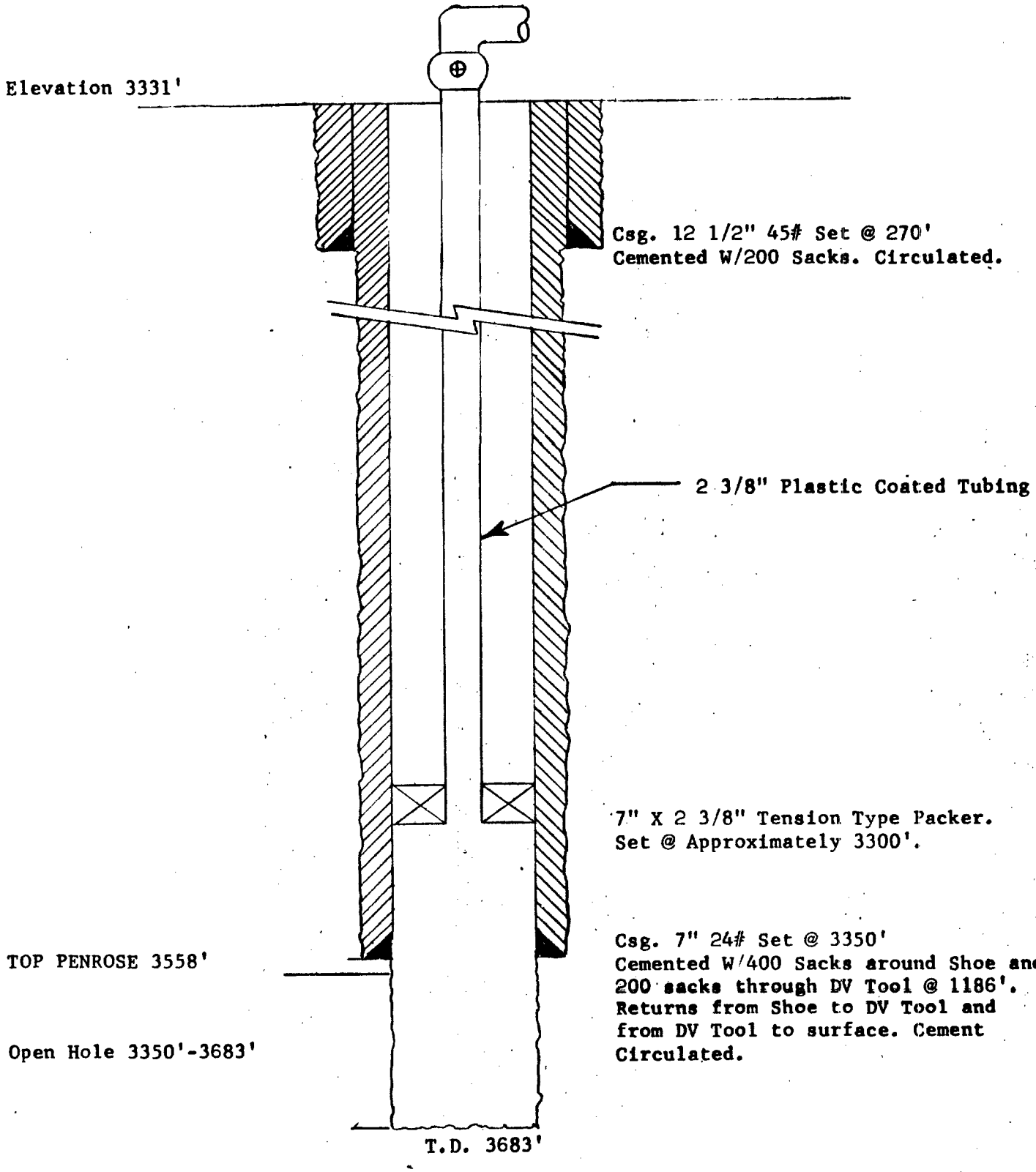
H. O. SIMS NO. 13
660' FNL & 1980' FEL, Sec. 4, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

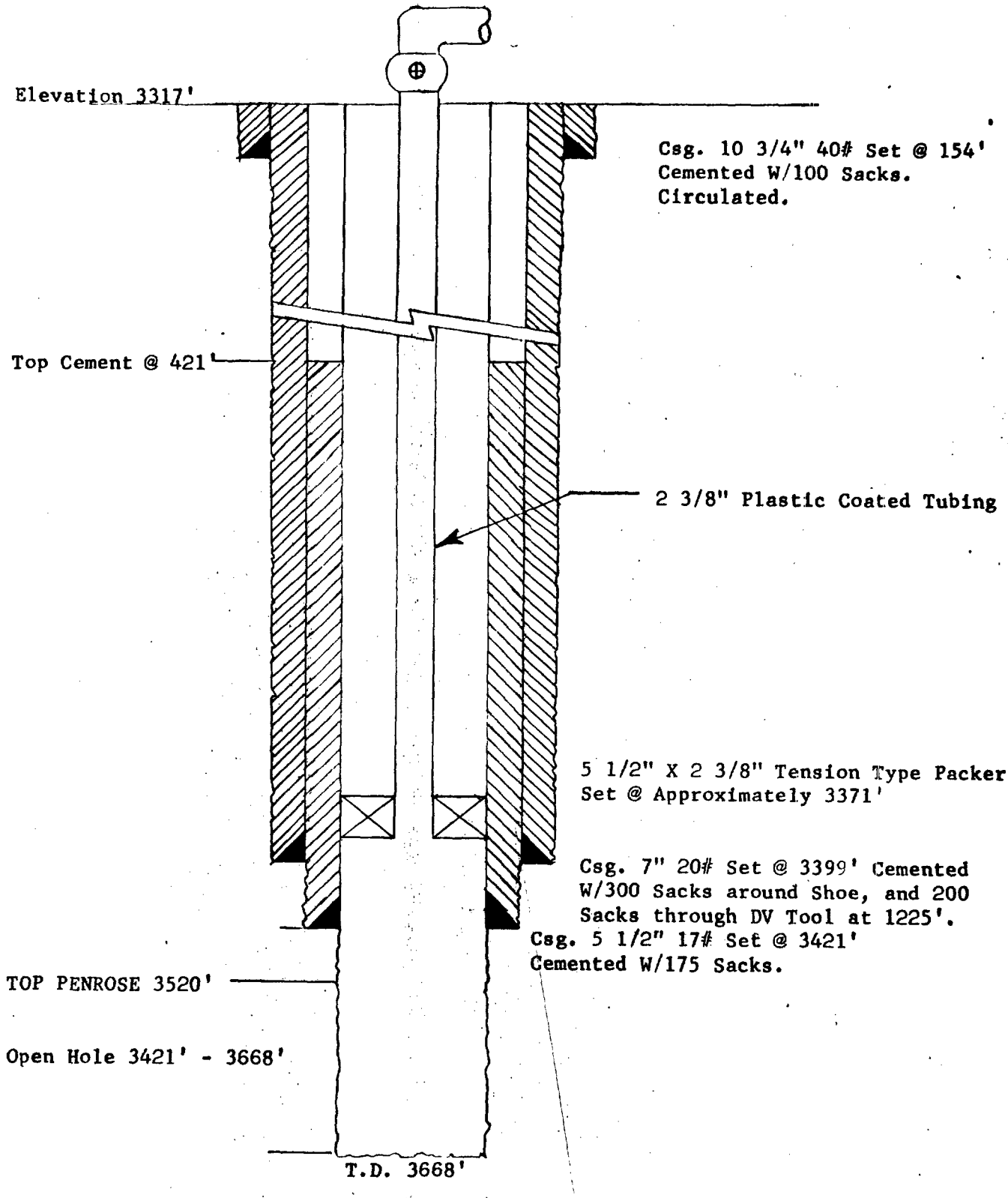
A. L. KING NO. 1
1980' FNL & 1980' FWL, Sec. 4, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

H. O. SIMS NO. 2
1980' FWL & 660' FEL, Sec. 5, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO

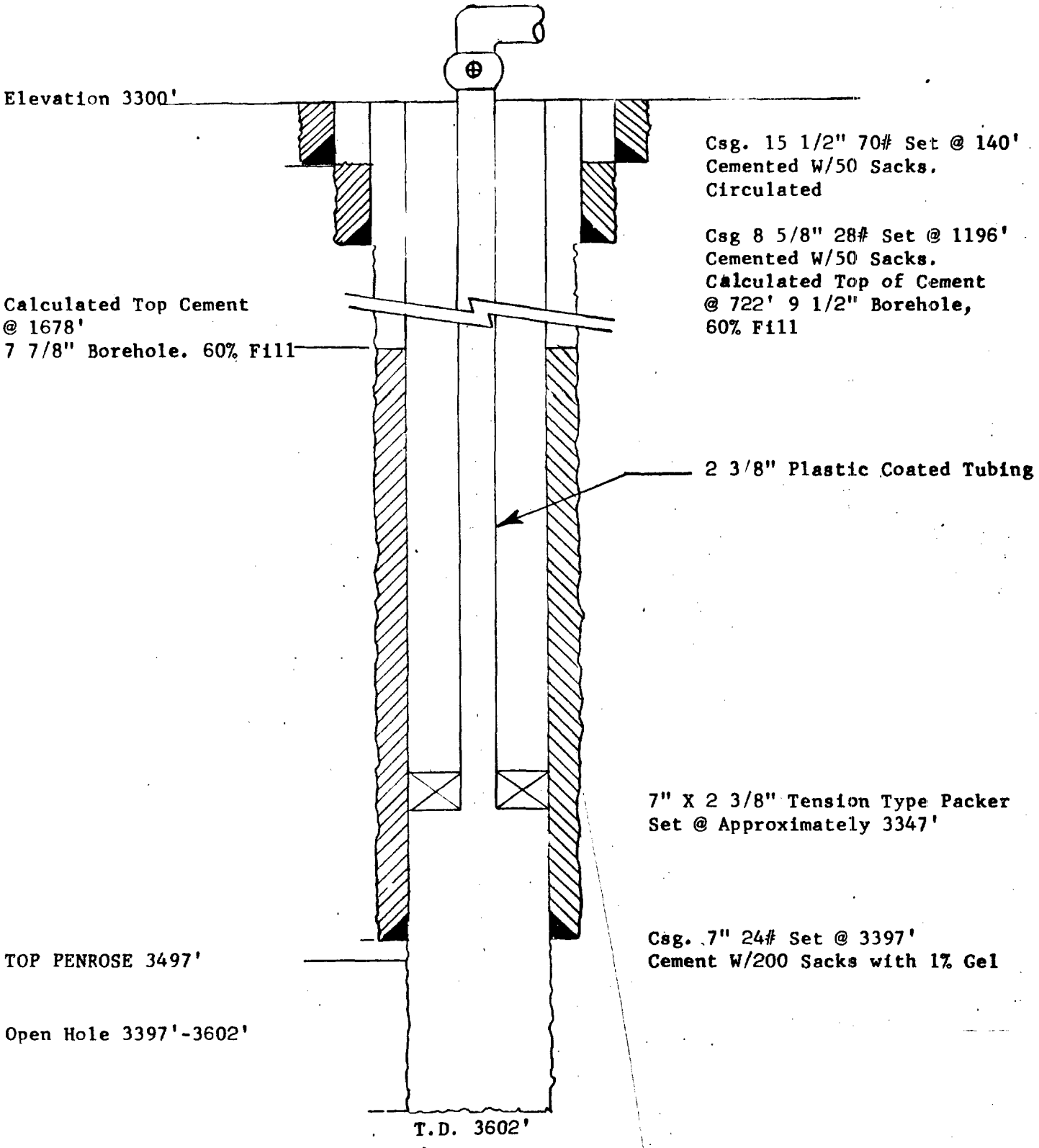


PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

SIMS "D" NO. 1

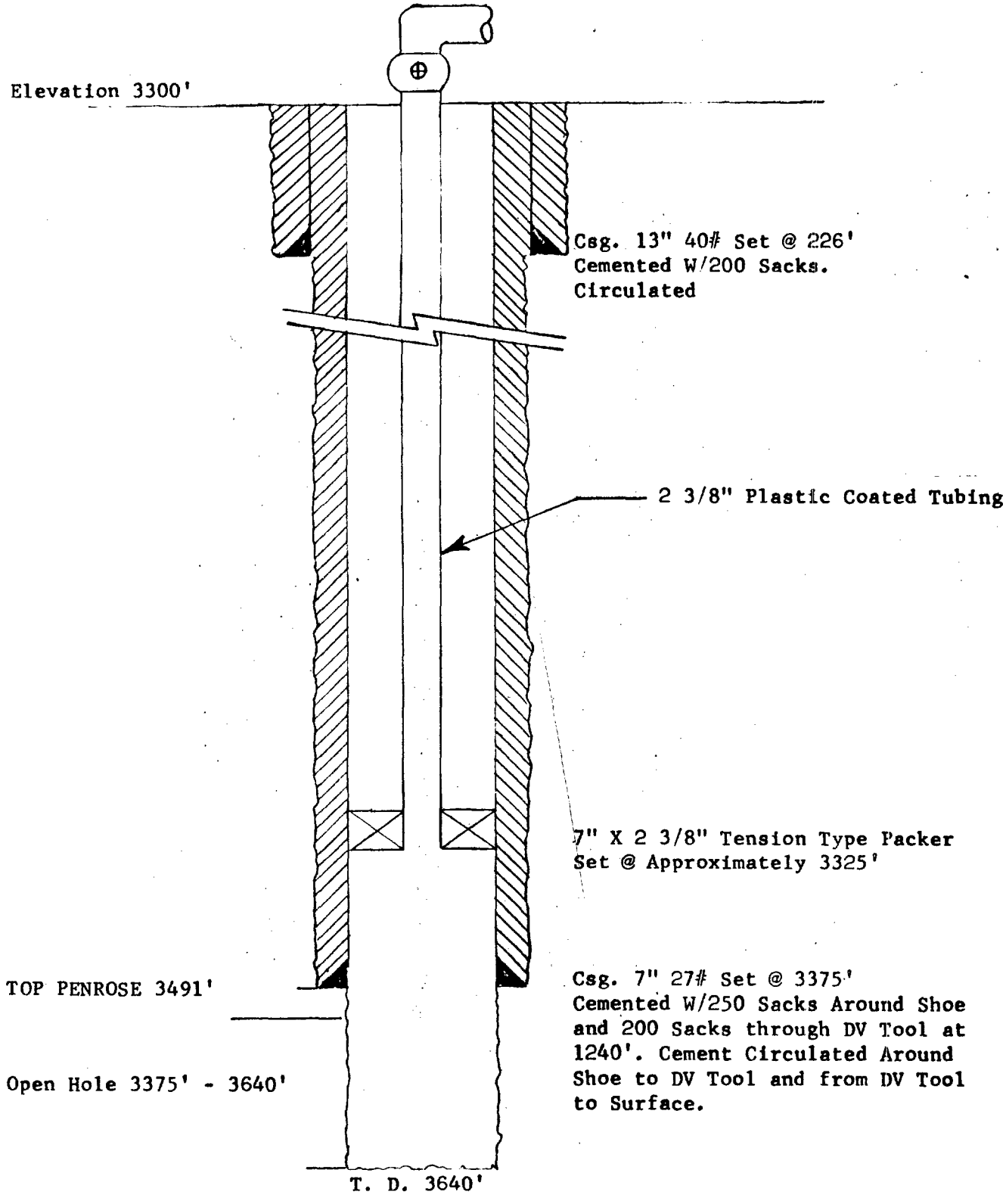
1980' FNL & 1980' FWL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKALLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

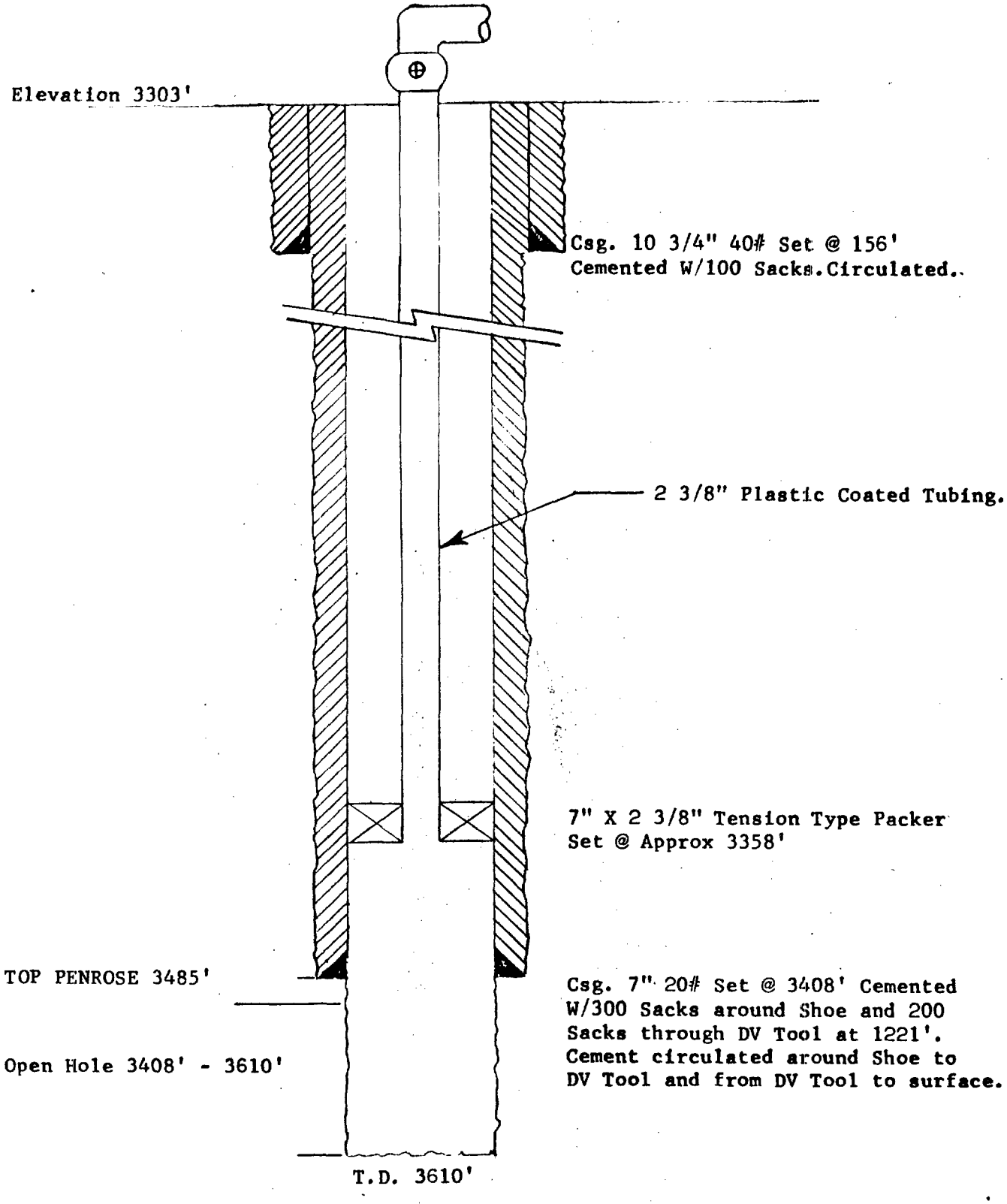
ELLEN SIMS NO. 1
1980' FSL & 1980' FEL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

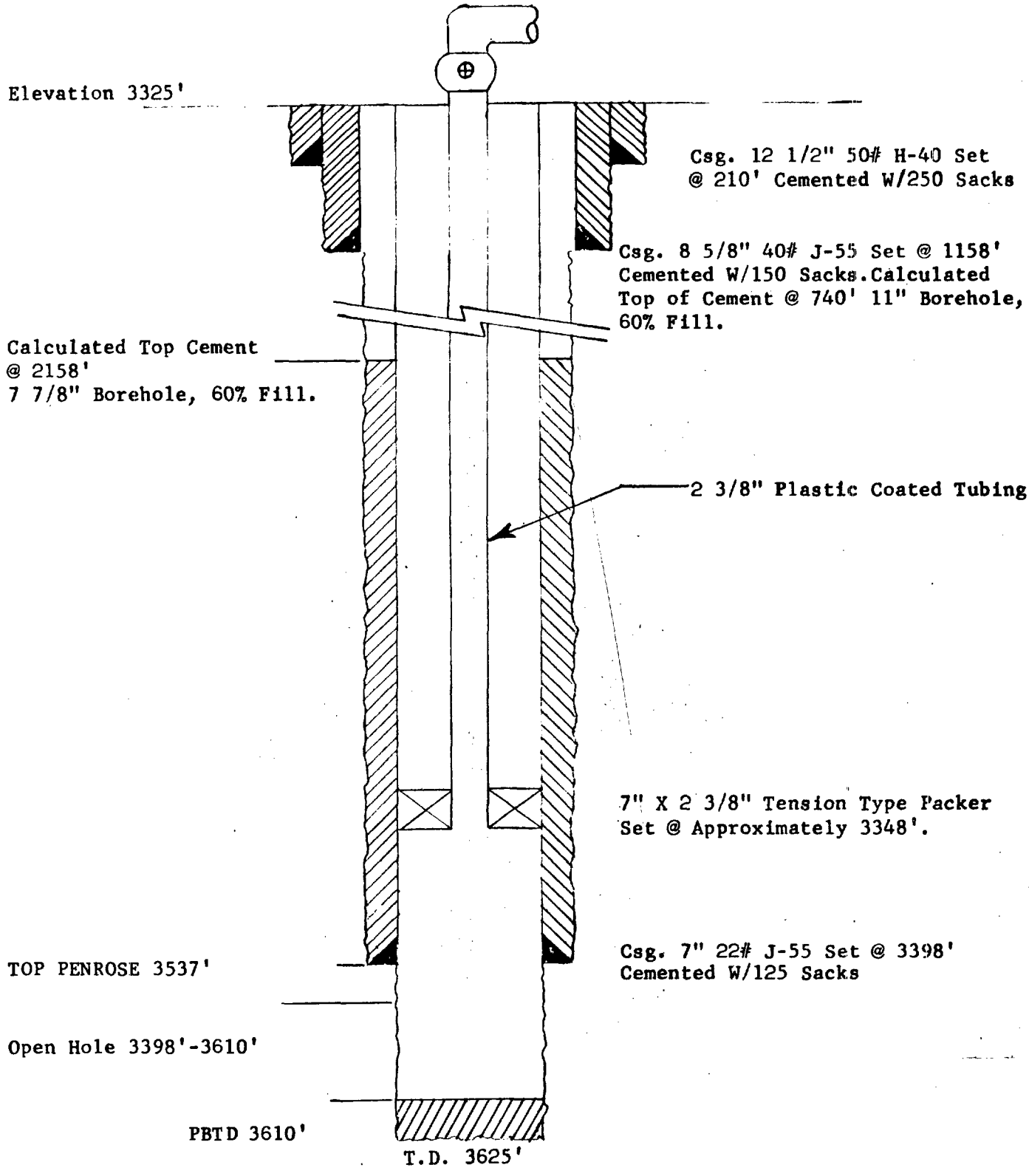
R. R. SIMS NO. 5
1980' FSL & 660' FWL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SAMEDAN OIL CORPORATION

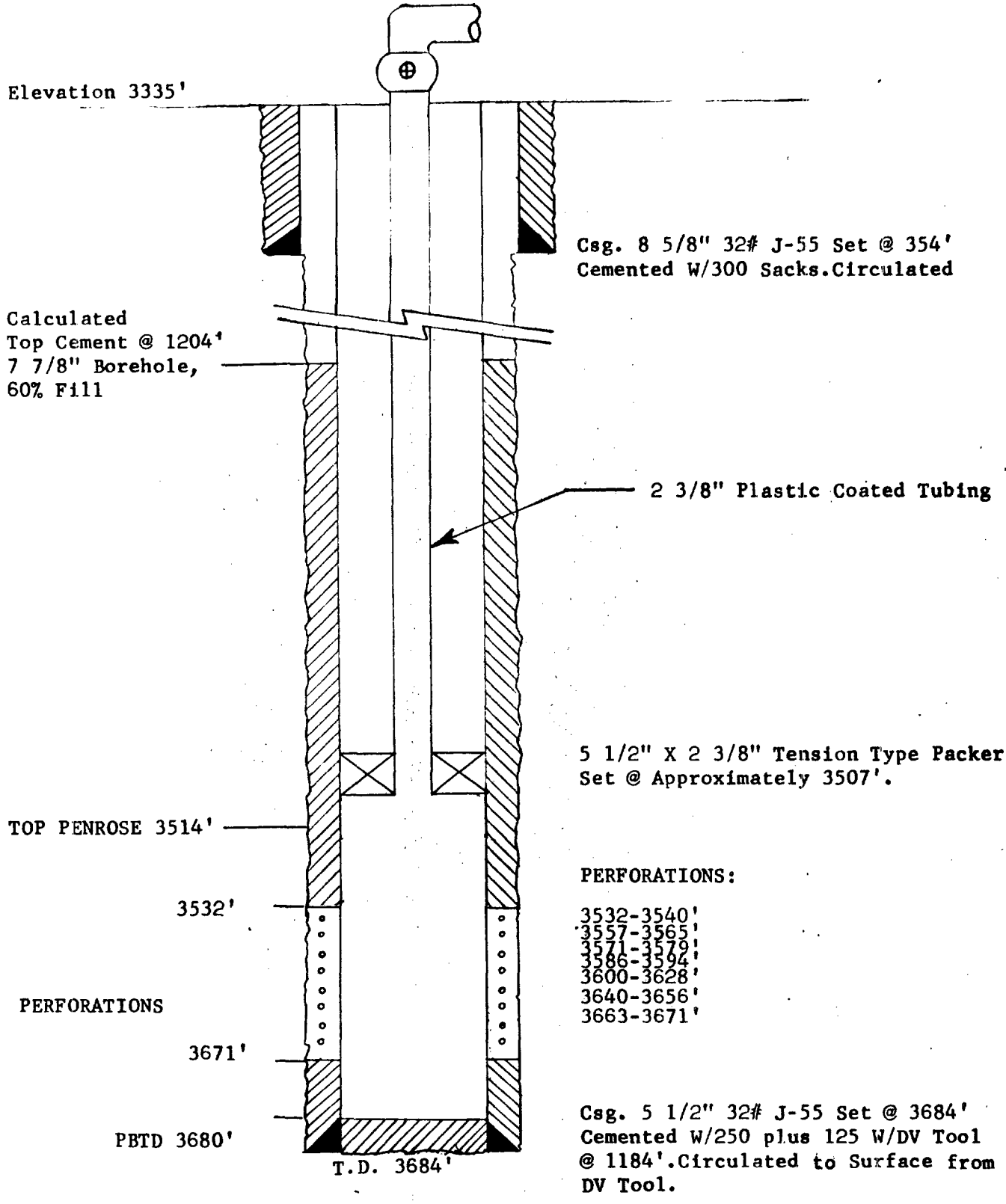
HUGHES "A1" NO. 2
1980' FSL & 1980' FEL, Sec. 4, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SAMEDAN OIL CORPORATION

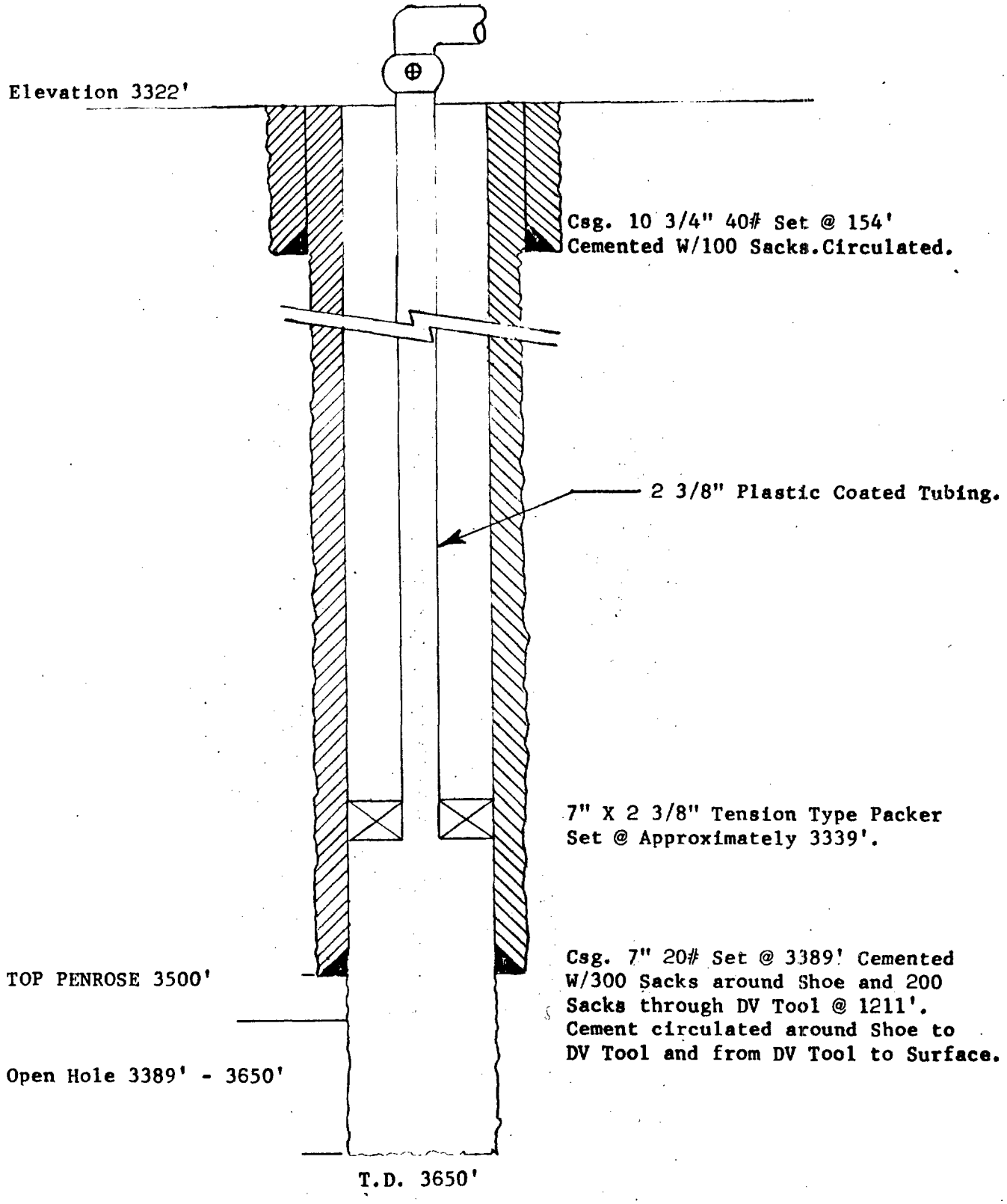
HUGHES "A1" NO. 6
1980' FSL & 660' FWL, Sec. 4, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

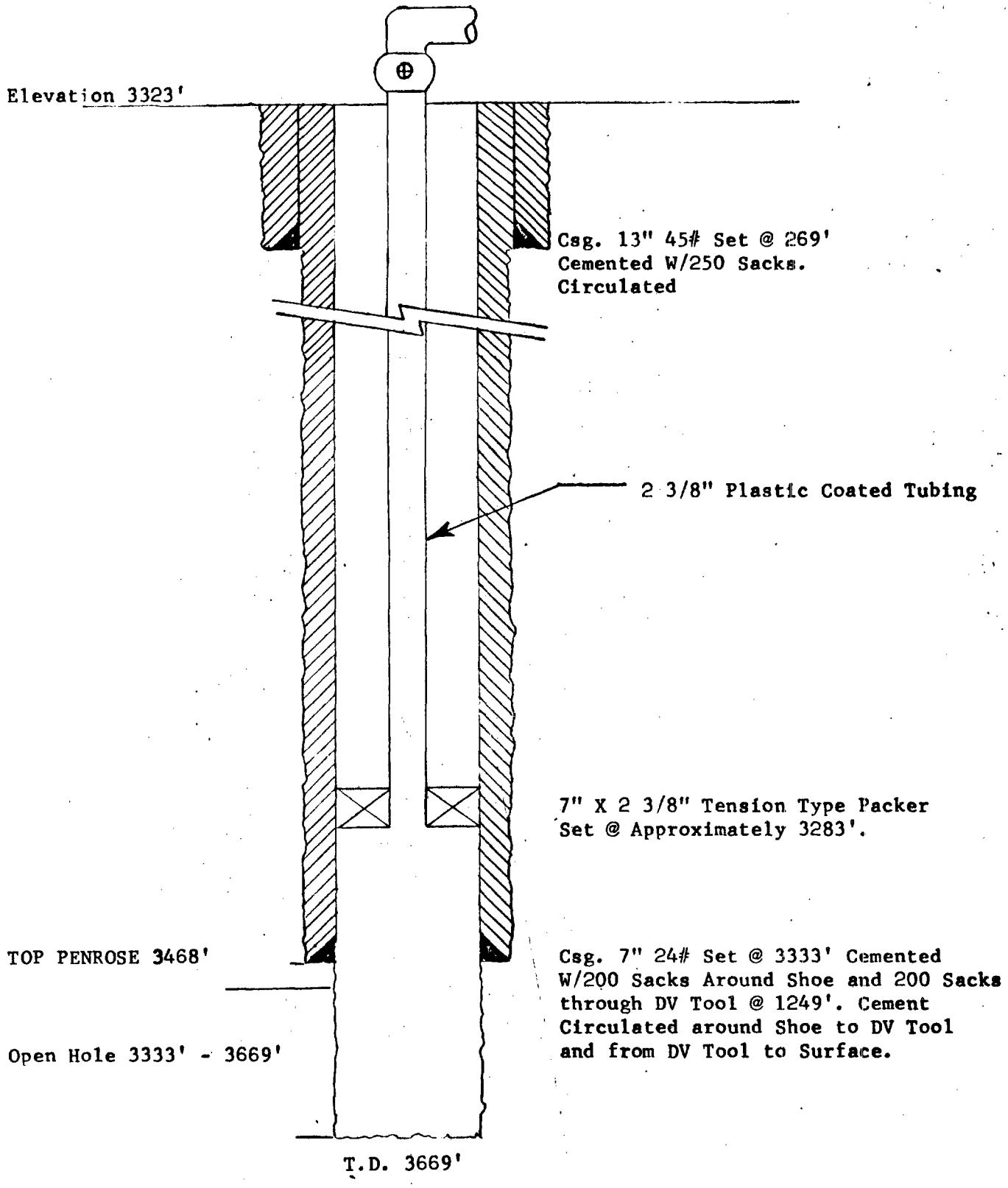
R. R. SIMS NO. 4
660' FSL & 1980' FWL, Sec. 4, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

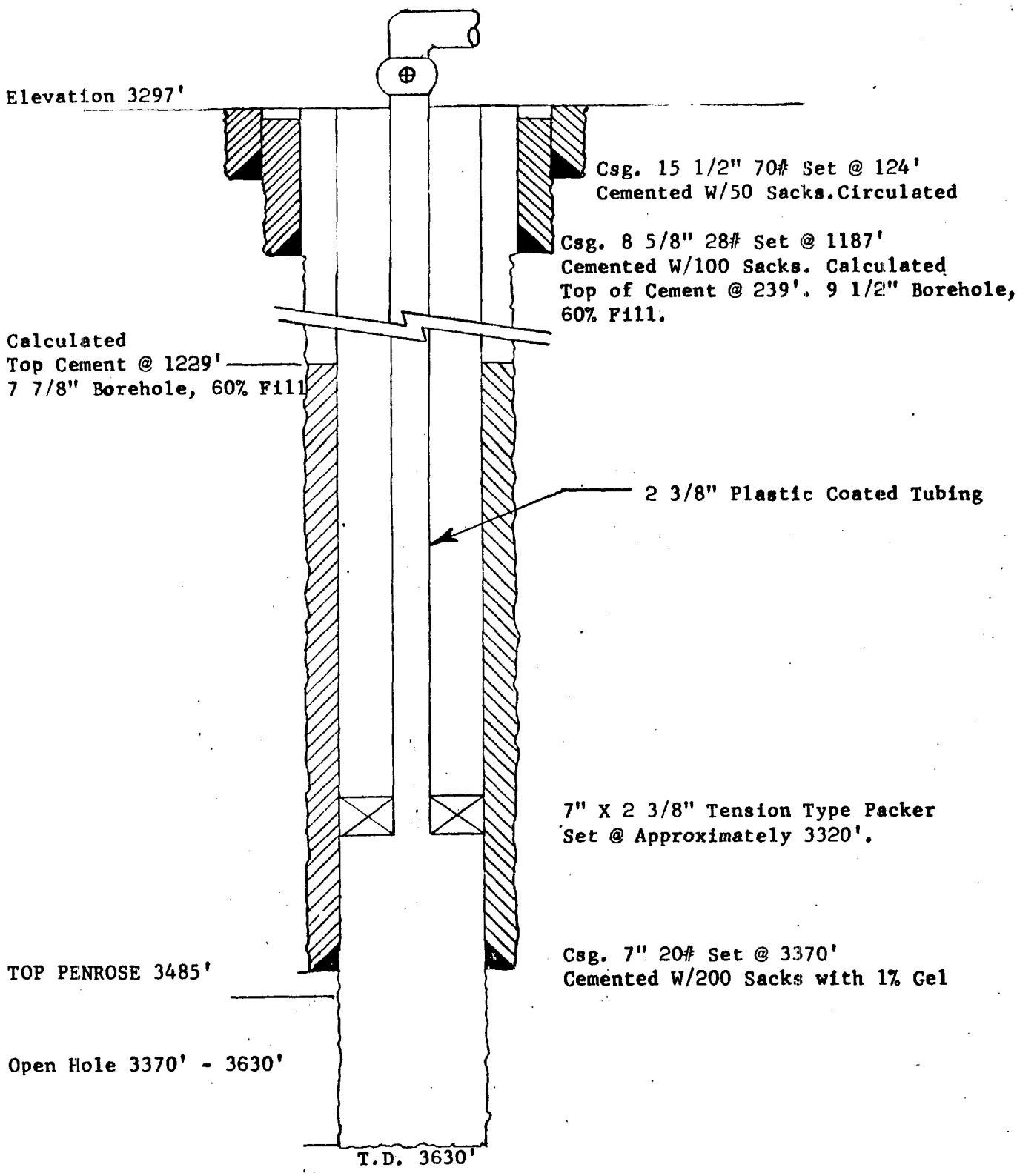
R. R. SIMS NO. 1
660' FSL & 660' FEL, Sec. 4, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

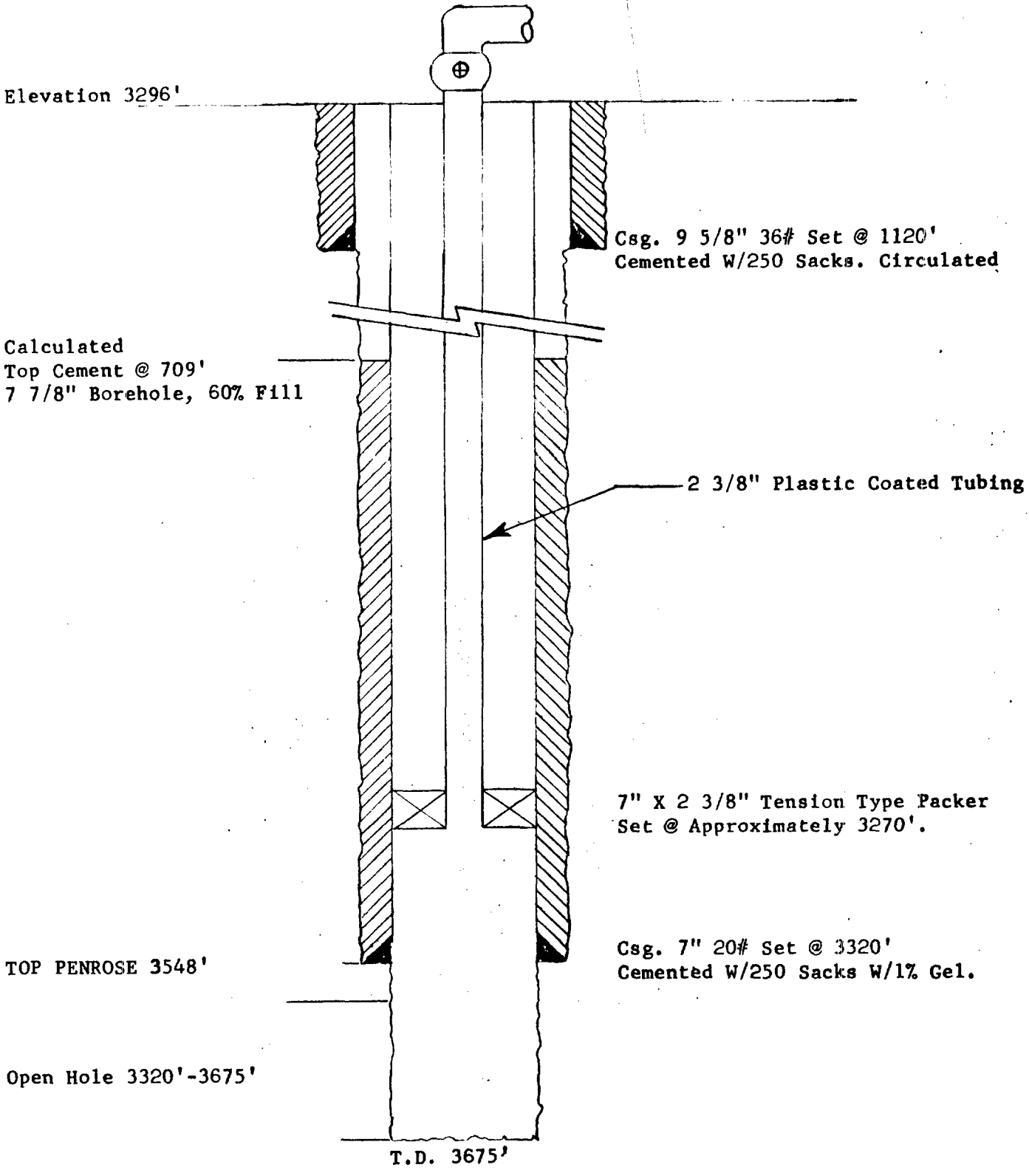
SKELLY OIL COMPANY

SIMS "C" NO. 1
740' FSL & 2000' FWL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

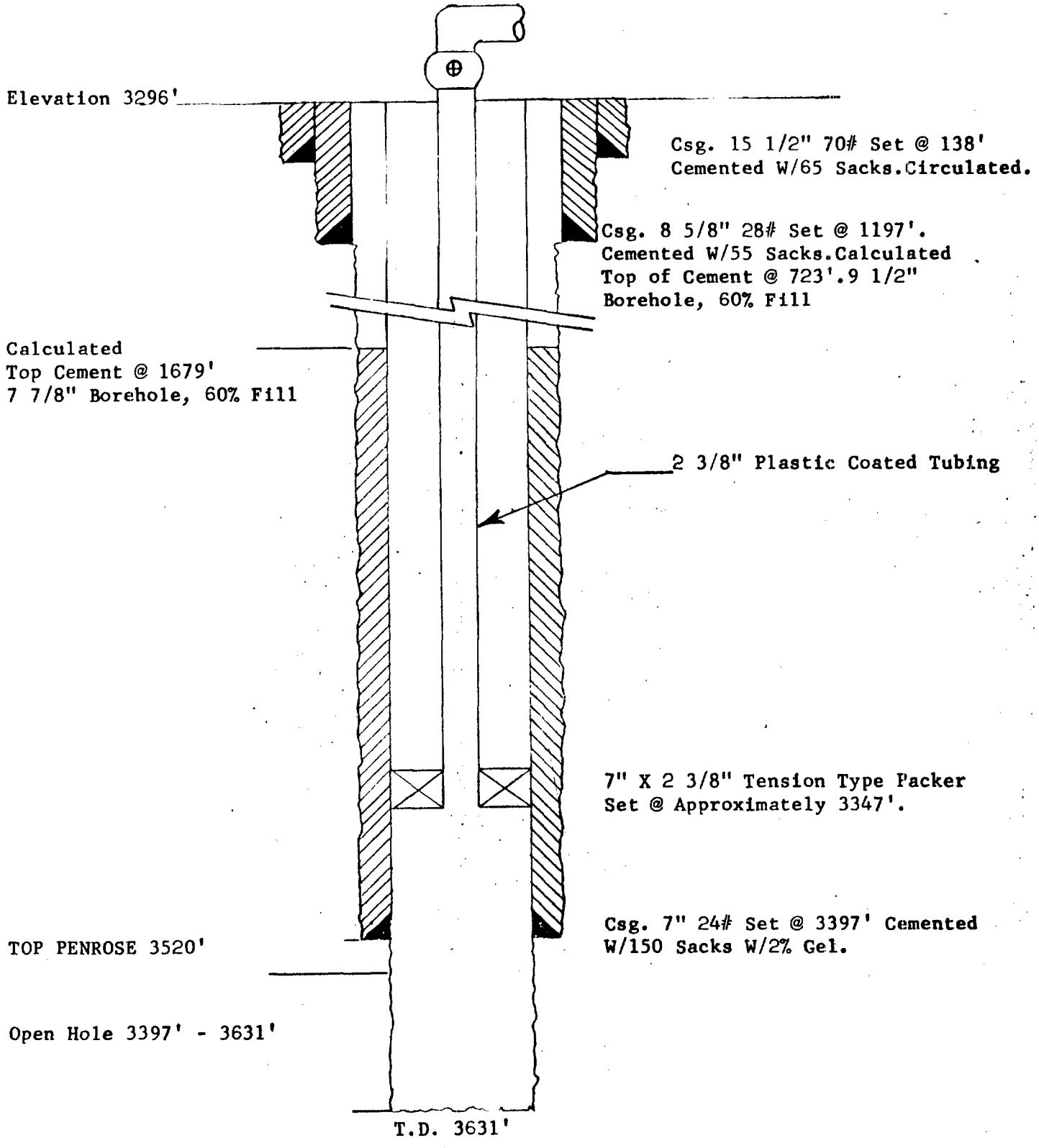
SKELLY OIL COMPANY
ELLEN SIMS NO.3
660' FSL & 660' FEL, Sec. 3, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

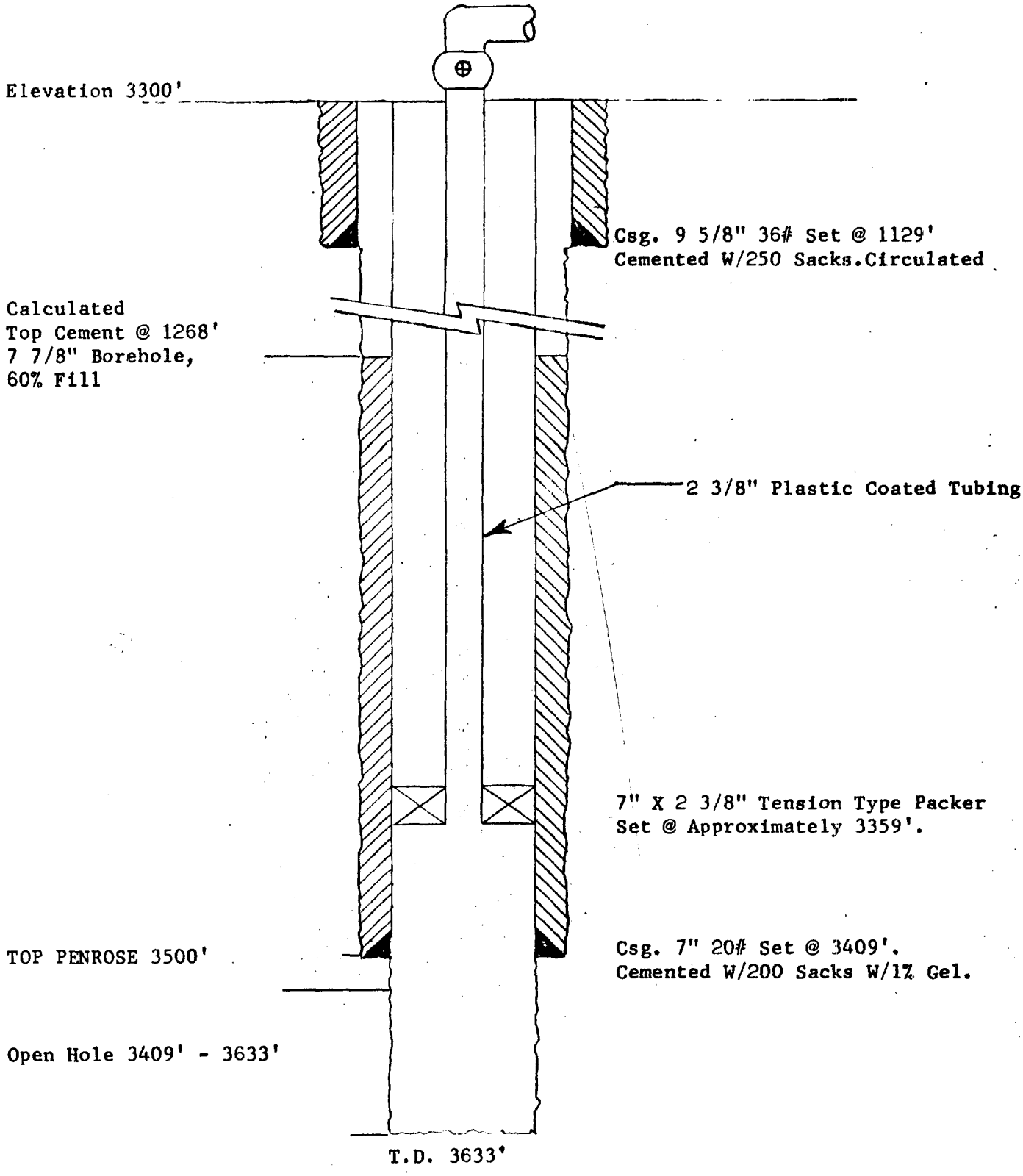
G. W. SIMS NO. 6
660' FNL & 1980' FEL, Sec. 10, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED PENROSE SKELLY "A" UNIT WIW

SKELLY OIL COMPANY

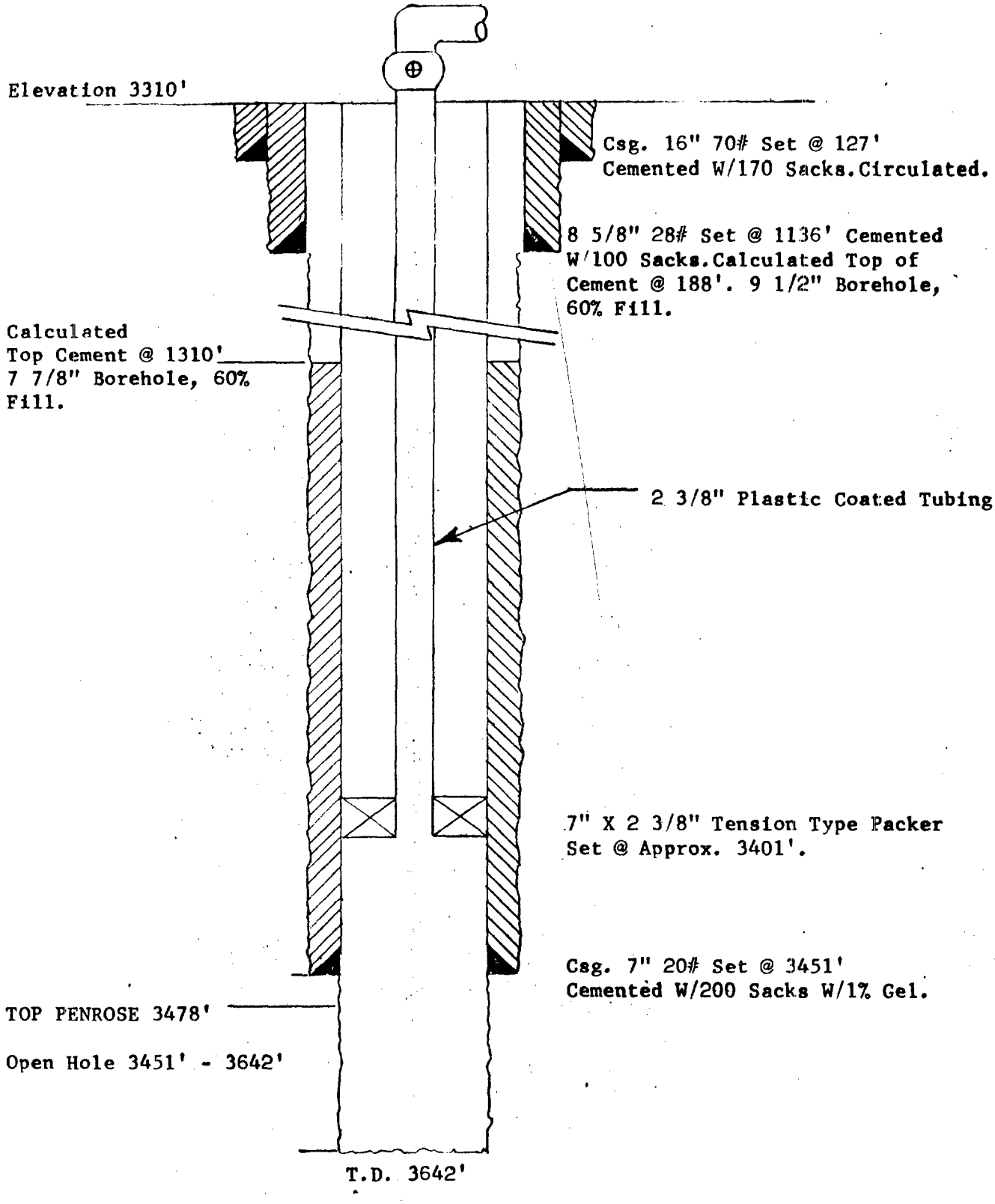
G. W. SIMS NO. 4
660' FNL & 660'FWL, Sec. 10, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

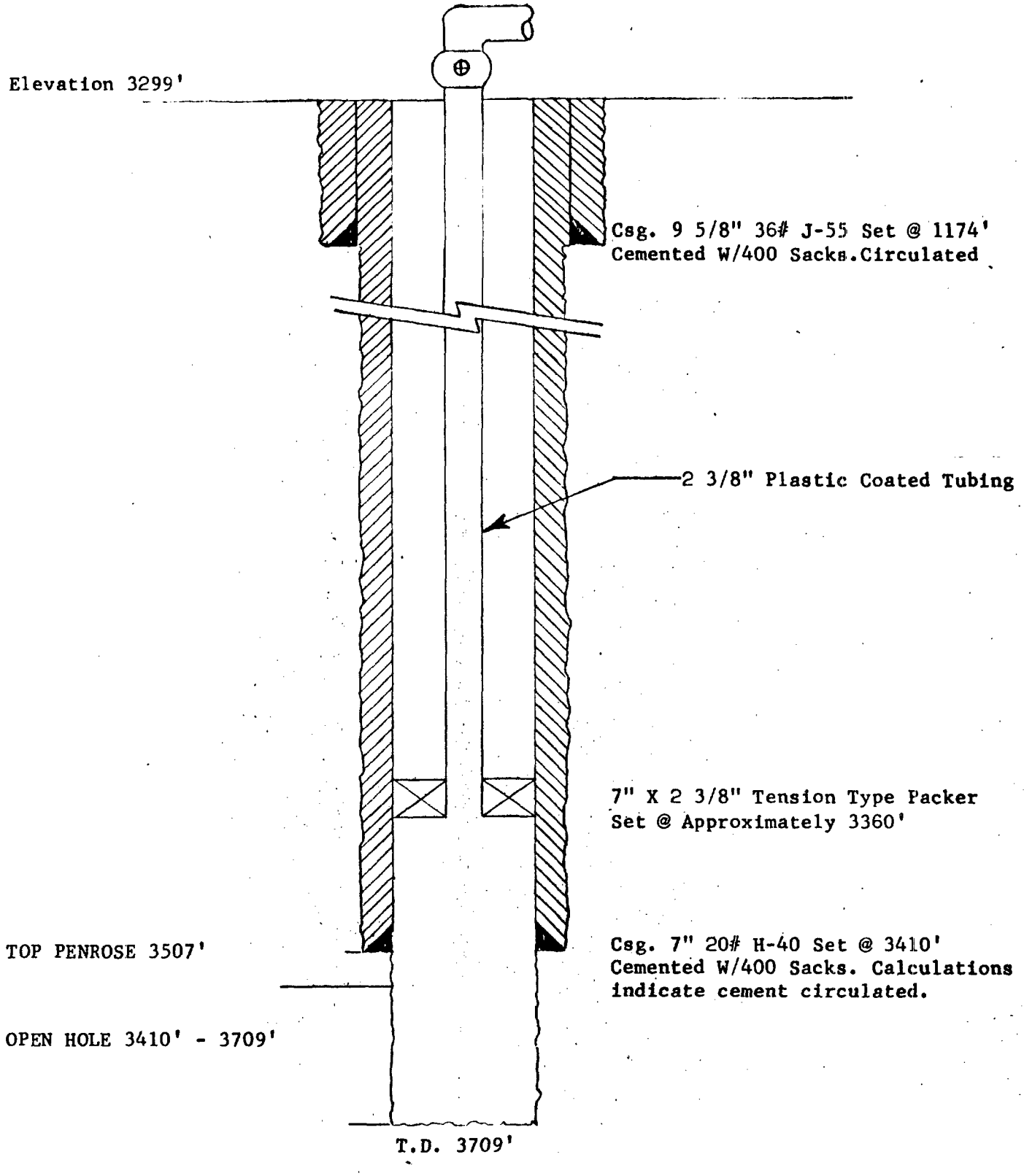
G. W. SIMS NO. 3
660' FNL & 1980' FEL, Sec. 9, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

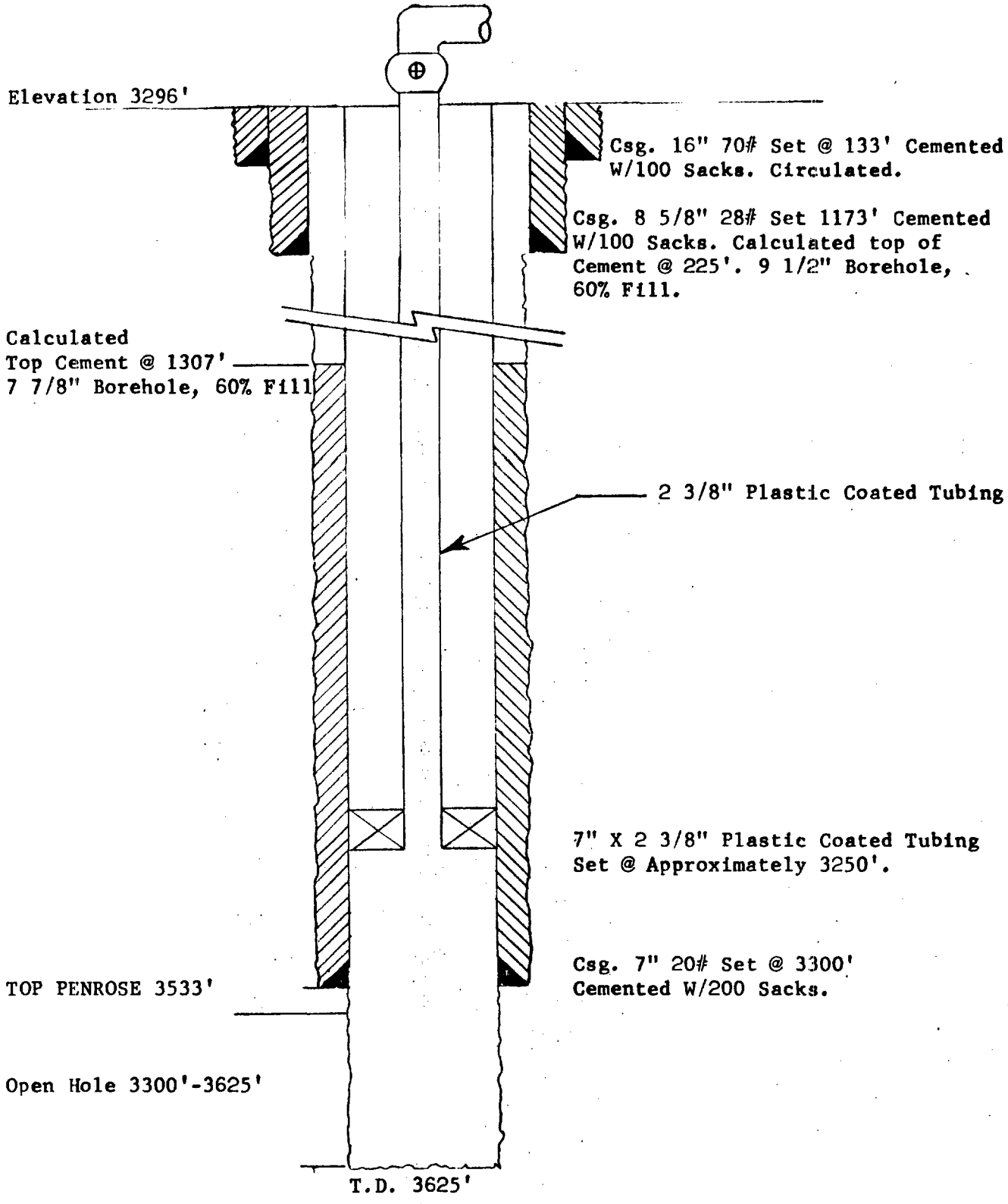
G. W. SIMS NO. 7
1980' FNL & 660' FEL, Sec. 9, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

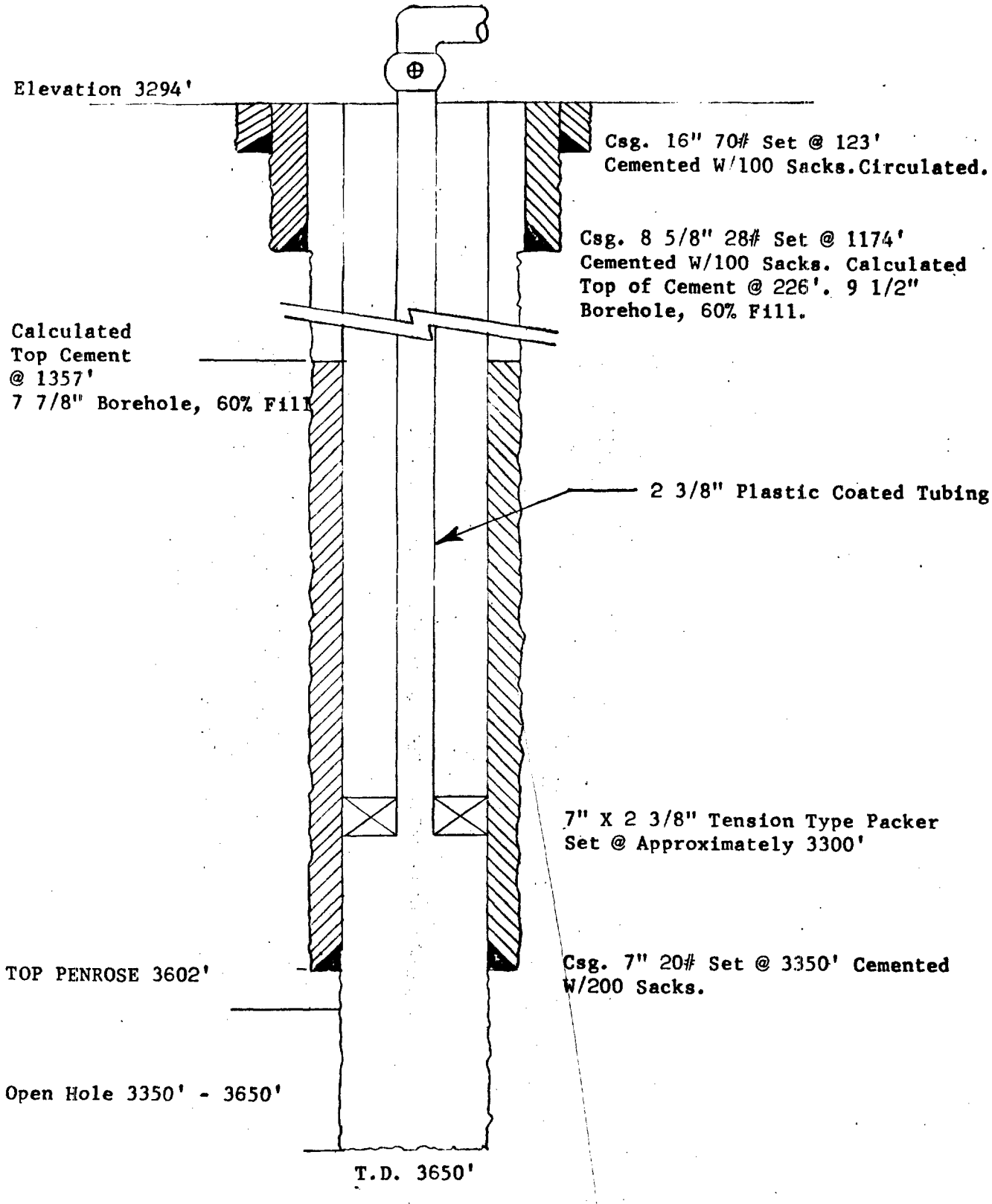
G. W. SIMS NO. 5
1980' FNL & 1980' FWL, Sec. 10, T-23S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SKELLY OIL COMPANY

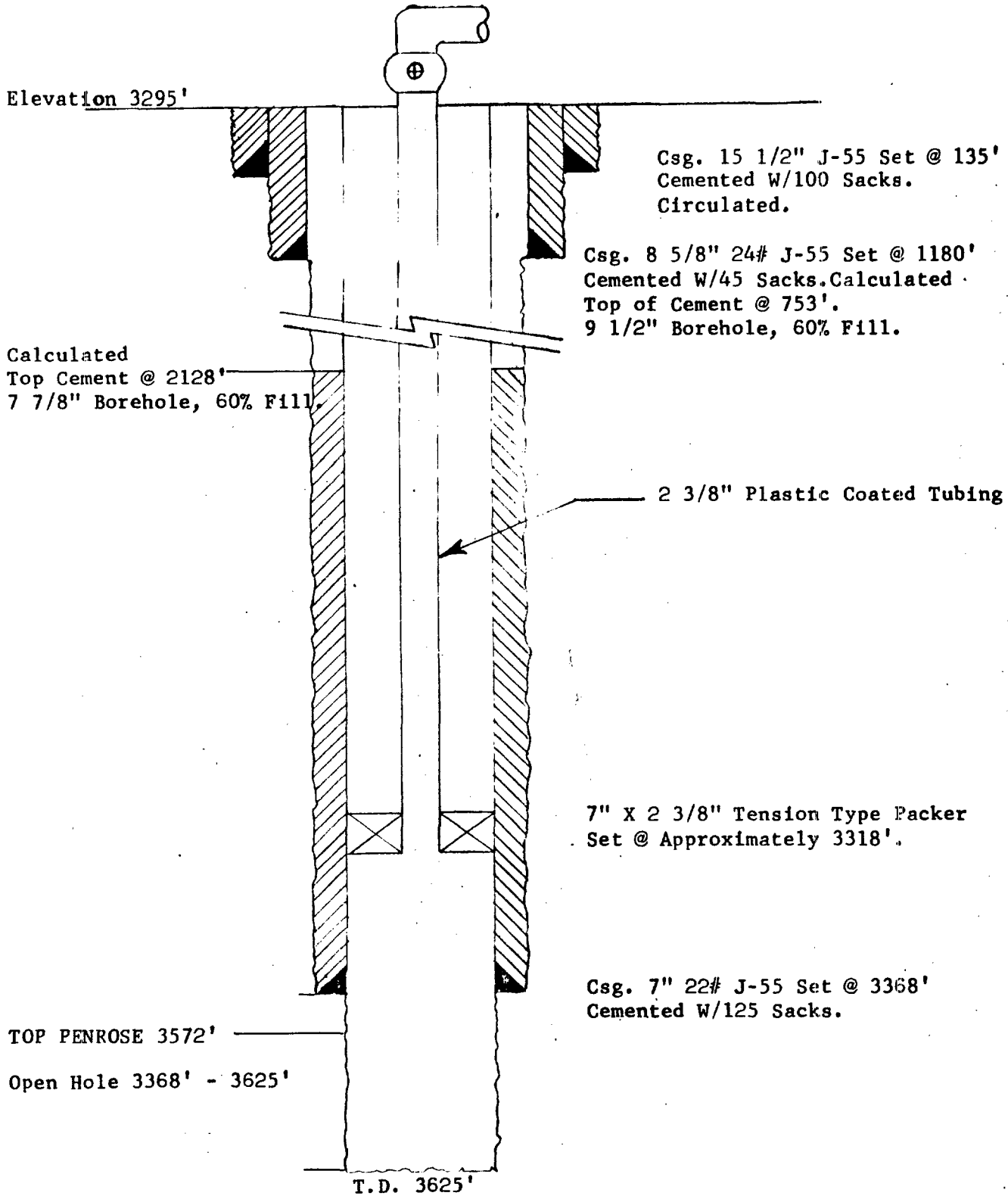
W. P. SIMS NO. 2
1980' FNL & 660' FEL, Sec. 10, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SAMEDAN OIL CORPORATION

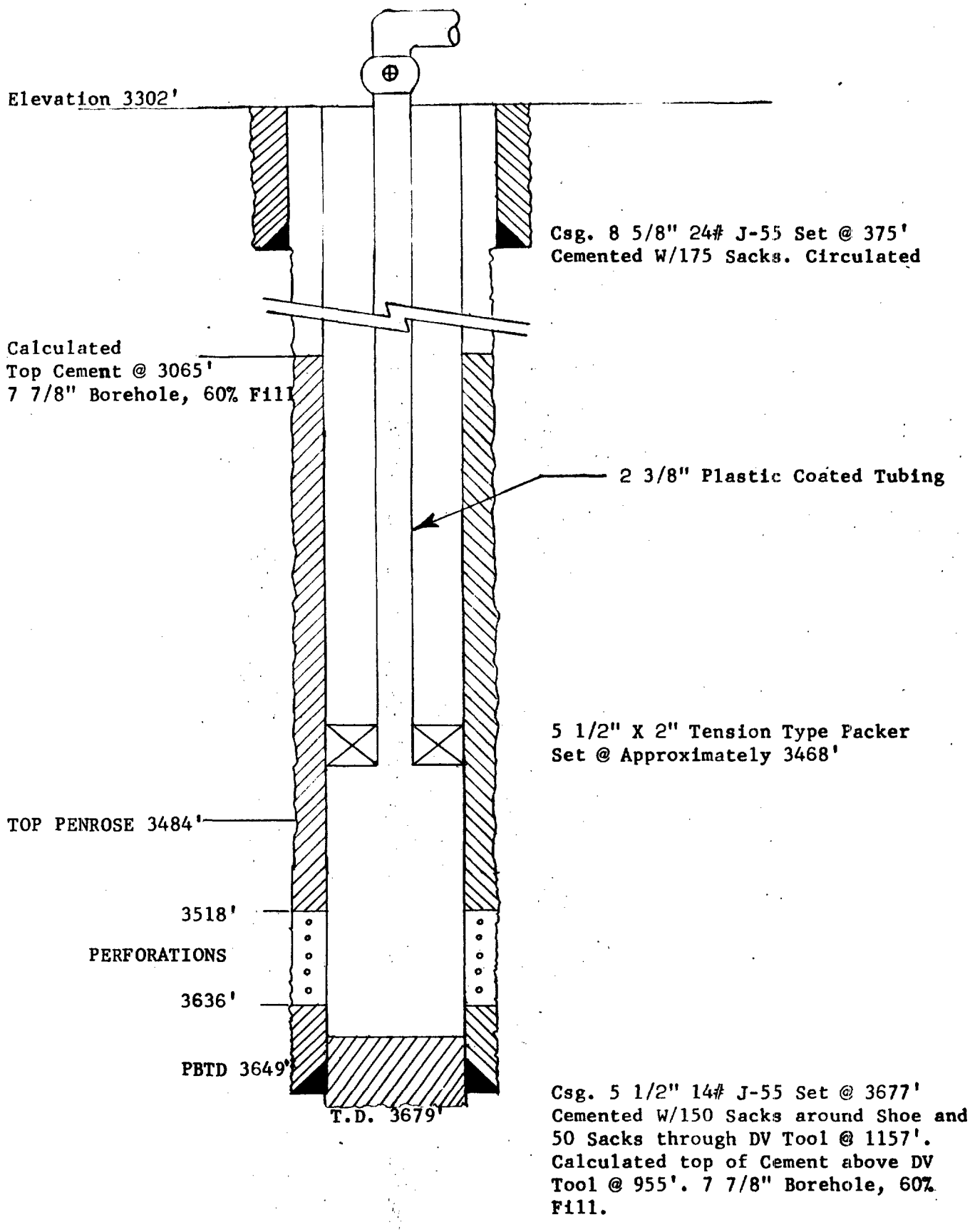
HUGHES "A2" NO. 4
1980' FSL & 1980' FEL, Sec. 10, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SAMEDAN OIL CORPORATION

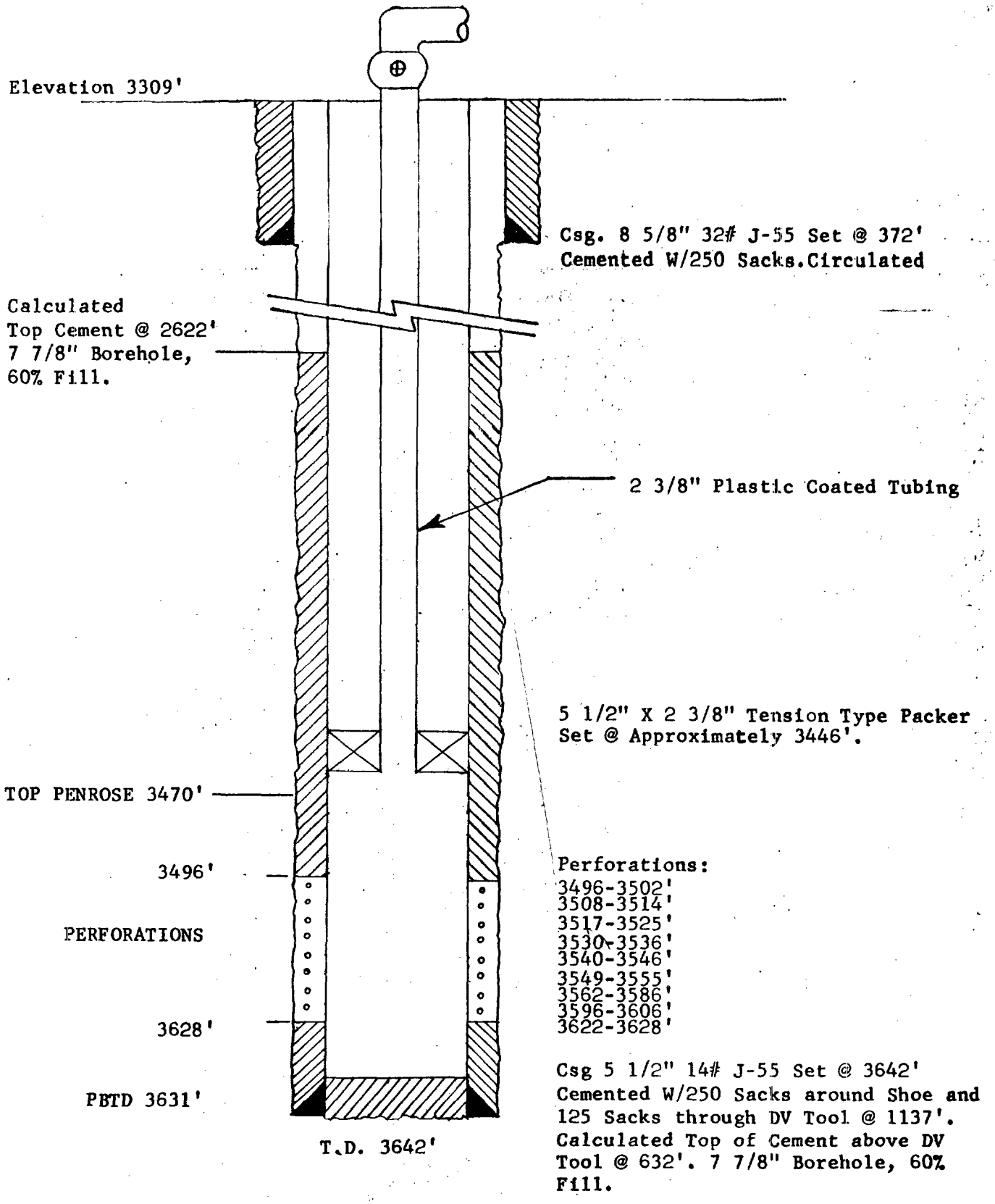
HUGHES "A2" NO. 11
1650' FSL & 330' FWL, Sec. 10, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SAMEDAN OIL CORPORATION

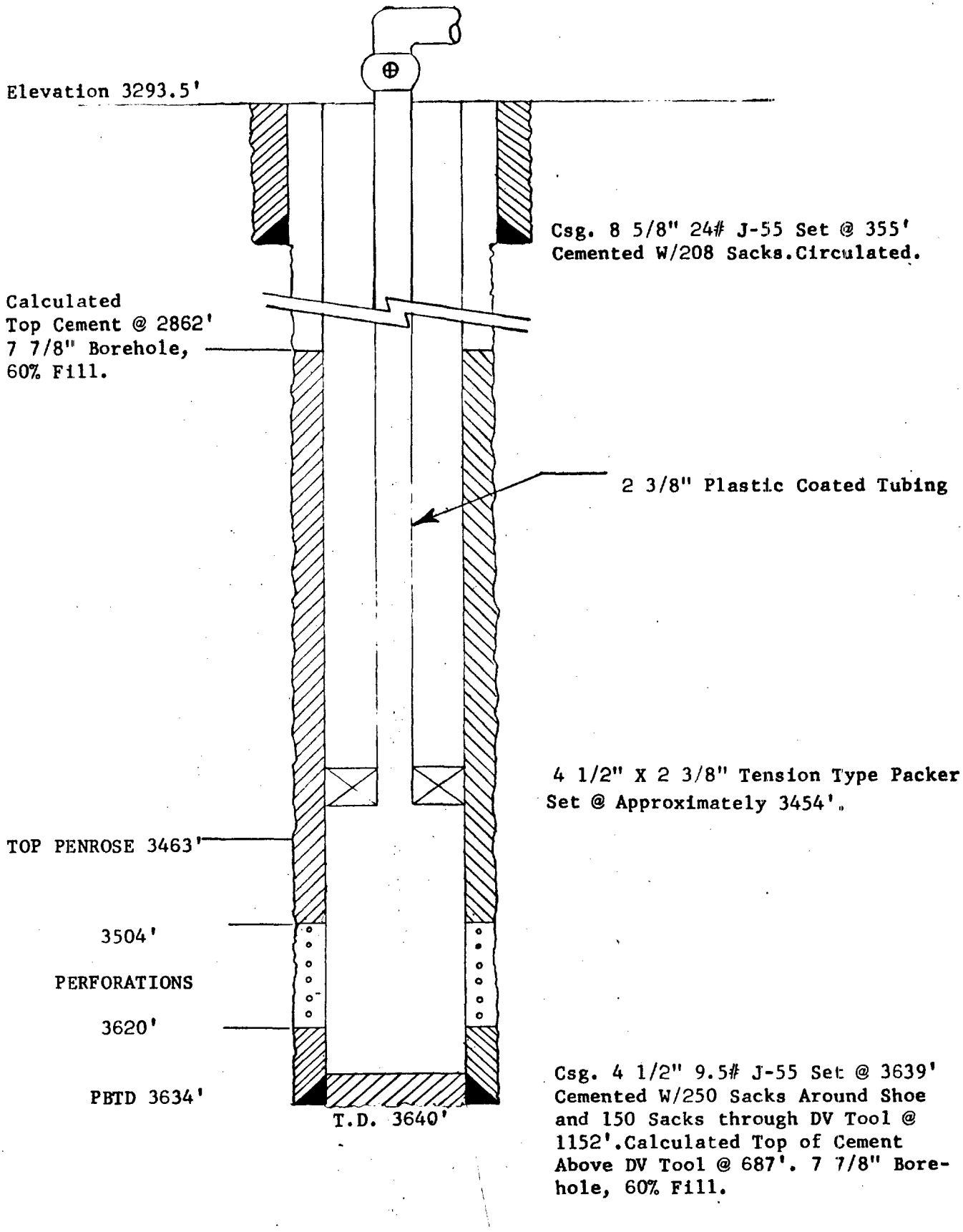
HUGHES "A2" NO. 7
1980' FSL & 1980' FEL, Sec. 9, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED SKELLY PENROSE "A" UNIT WIW

SAMEDAN OIL CORPORATION

HUGHES "A2" NO. 8
660' FSL & 660' FEL, Sec. 9, T-23-S, R-37-E
LEA COUNTY, NEW MEXICO



3338

Drawer 1857
Roswell, New Mexico 88201

April 24, 1967

Skelly Oil Company
P. O. Box 1650
Tulsa, Oklahoma 74102

Attention: Mr. Barton W. Ratliff

Gentlemen:

Your initial plan of operation covering secondary recovery operations for the Skelly Penrose "A" unit, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,

(Orig.Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Hobbs (w/cy of plan)
NMOCC, Santa Fe (ltr only)

GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 2088
SANTA FE

March 17, 1967

Re: Case No. 3538
Order No. R-3207
Applicant:
Skelly Oil Company

Mr. Booker Kelly
White, Gilbert, Koch & Kelly
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC
Aztec OCC
Other