



SKELLY OIL COMPANY

P. O. BOX 1650

Case 5087

LAW DEPARTMENT

CHESTER E. BLODGET
SENIOR ATTORNEY

TULSA, OKLAHOMA 74102

September 24, 1973



Re: Application of Skelly Oil Company
for Order Authorizing the Injection
of Fluid for Secondary Recovery
Purposes into the Langlie-Mattix
Pool on the Myers Langlie-Mattix
Unit, Lea County, New Mexico

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

Gentlemen:

We are enclosing herewith the original and two copies of the
above-referenced application for order authorizing the
injection of fluid for a waterflood project.

We would appreciate your setting this matter down for hearing
on the October 31, 1973 Examiner Docket.

Yours very truly,

CEB:br
Encl.

Chester E. Blodget
Chester E. Blodget

DOCKET MAILED

Date_____

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF)
SKELLY OIL COMPANY FOR AN ORDER)
AUTHORIZING THE INJECTION OF FLUID)
FOR SECONDARY RECOVERY PURPOSES INTO)
THE LANGLIE-MATTIX POOL ON THE MYERS)
LANGLIE-MATTIX UNIT, LOCATED IN ALL)
OR PORTIONS OF SECTIONS 25 AND 36,)
TOWNSHIP 23 SOUTH, RANGE 36 EAST;)
SECTIONS 28, 29, 30, 31, 32, 33 AND)
34, TOWNSHIP 23 SOUTH, RANGE 37 EAST;)
SECTIONS 1 AND 12, TOWNSHIP 24 SOUTH,)
RANGE 36 EAST; AND SECTIONS 2, 3, 4,)
5, 6, 7, 8, 9, 10 AND 11, TOWNSHIP)
24 SOUTH, RANGE 37 EAST, LEA COUNTY,)
NEW MEXICO, AND FOR THE PROMULGATION)
OF CERTAIN RULES GOVERNING THE OPERA-)
TION OF SAID UNIT.)

CASE NO. 5087

FILED _____

HEARING _____

A P P L I C A T I O N

Comes now Skelly Oil Company and alleges and states:

1. That it is the Operator of the Myers Langlie-Mattix Unit containing 9,923.68 acres, more or less, of fee, federal and state lands, described as follows:

Township 23 South, Range 36 East

N/2 SE/4, E/2 SW/4, SW/4 SW/4, S/2 SE/4, N/2 NW/4, and
SE/4 NW/4 of Section 25;
N/2, SE/4, and E/2 SW/4 of Section 36;

Township 23 South, Range 37 East

All of Section 30;
All of Section 29;
SW/4, and SW/4 NW/4 of Section 28;
All of Section 31;
All of Section 32;
All of Section 33;
W/2 of Section 34;

Township 24 South, Range 36 East

NE/4 NE/4 of Section 1;
S/2 N/2, N/2 S/2, and SE/4 SE/4 of Section 12;

Township 24 South, Range 37 East

E/2, E/2 W/2, and NW/4 NW/4 of Section 6;
All of Section 5;
All of Section 4;
All of Section 3;
W/2, and W/2 NE/4 of Section 2;
All of Section 7;
N/2, N/2 S/2, and SW/4 SW/4 of Section 8;
N/2, and N/2 SW/4 of Section 9;
NW/4, NW/4 NE/4, S/2 NW/4, E/2 SW/4, and W/2 SE/4 of
Section 10; and
SE/4 NW/4 of Section 11,

all in Lea County, New Mexico.

2. That an application for approval of the Unit Agreement has been filed with this Commission.

3. That in order to carry out the secondary recovery operations as contemplated by the Unit Agreement, to prevent waste and to recover oil and associated hydrocarbons which would not otherwise be recovered, applicant desires to inject fluid into certain wells within the Unit Area for injection into the Myers Langlie-Mattix Unit, pursuant to Rule 701 of the Commission.

4. That Applicant proposes to convert the following 84 wells and utilize same for injection purposes:

COMPANY	LEASE	WELL NO.	LOCATION			
			UNIT	SEC.	T	R
Amerada Hess Corp.	O. M. Hodges	1	I	3	24S	37E
"	State LMA Com.	2	I	32	23S	37E
"	State LMT	3	G	36	23S	36E
"	State LMT	5	A	36	23S	36E
"	State LMT	7	C	36	23S	36E
Amoco	Meyers B Fed.	17	E	5	24S	37E
"	Meyers B Fed.	22	C	5	24S	37E
"	Meyers B Fed.	15	A	6	24S	37E
"	Meyers B Fed.	19	G	6	24S	37E
"	Meyers B Fed.	6	E	7	24S	37E
"	Meyers B Fed.	10	G	7	24S	37E
"	Meyers B Fed.	20	A	7	24S	37E
"	Meyers B Fed.	5	K	9	24S	37E
Atlantic Richfield Co.	W. N. Cooper	1	G	12	24S	36E
"	Fowler Hair	2	E	9	24S	37E
"	W. N. Toby	2	I	12	24S	36E
W. K. Byrom	Davis	2	K	33	23S	37E
"	Davis B	1	M	33	23S	37E
"	Sinclair Carter	1	A	9	24S	37E
Continental-Emsco Oil Co.	Fowler Hair	1	C	9	24S	37E
Continental Oil Co.	Cooper	2	K	8	24S	37E
"	Lynn B Fed.	4	O	25	23S	36E
"	Stewart 28	1	M	28	23S	37E
"	Stewart 29	1	O	29	23S	37E
"	Stewart 29	2	I	29	23S	37E
"	Vaughan A 12	1	E	12	24S	36E
Flag Redfern Oil Co.	Lynn B 25	3	K	25	23S	36E
"	Lynn B 25	4	M	25	23S	36E
Albert Gackle	R. M. Cowden	2	I	30	23S	37E
"	R. M. Cowden B	2	M	30	23S	37E
"	R. M. Cowden C	2	E	31	23S	37E
"	R. M. Cowden C	5	G	31	23S	37E
Great Western Drilling Co.	H. Leonard B St.	3	C	32	23S	37E
"	H. Leonard B St.	5	A	32	23S	37E
Gulf Oil Corporation	S. J. Carr	2	E	10	24S	37E
"	S. J. Carr	3	K	10	24S	37E
"	Carter Eaves NCT A	1	C	6	24S	37E
"	J. R. Holt NCT B	1	I	36	23S	36E
"	C. E. LaMunyon	2	E	29	23S	37E
"	C. E. LaMunyon	15	G	29	23S	37E
"	C. E. LaMunyon	18	C	29	23S	37E
N. B. Hunt	Mattix A	2	A	3	24S	37E
"	Mattix A	4	G	3	24S	37E
"	Mattix A	5	I	3	24S	37E
"	Mattix B Fed.	3	O	10	24S	37E
"	Mattix B Fed.	4	G	10	24S	37E
"	Mattix B 10	2	C	10	24S	37E
Johnson & French Oil Co.	Davis	1	O	33	23S	37E
King, Warren & Dye	Toby	2	K	7	24S	37E
Reserve Oil & Gas Co.	L. Carter	1	A	25	23S	36E
Resler & Sheldon	Fanning	1	E	33	23S	37E
"	Fanning	5	C	33	23S	37E
Skelly Oil Company	J. W. Cooper	2	L	12	24S	36E
"	Liberty Royalties	1	O	7	24S	37E
"	Liberty Royalties	3	I	7	24S	37E
"	Mattix A	2	E	2	24S	37E
"	Mattix A	4	K	2	24S	37E
"	Mattix A	5	C	2	24S	37E
"	Mexico D	2	O	36	23S	37E
"	Mexico P	2	G	2	24S	37E
"	Toby	1	M	7	24S	37E

COMPANY	LEASE	WELL NO.	LOCATION			
			UNIT	SEC.	T	R
Texaco Inc.	Blinebry A Fed.	2	I	31	23S	37E
"	Blinebry B Fed.	2	M	31	23S	37E
"	Blinebry B Fed.	3	K	31	23S	37E
"	Blinebry B Fed.	4	O	31	23S	37E
"	E. D. Farming	4	E	4	24S	37E
"	E. D. Fanning	7	G	5	24S	37E
"	N. M. B State NCT 4	1	M	32	23S	37E
"	J. D. Young	3	O	5	24S	37E
Texas Pacific Oil Co.	Blinebry A Fed.	3	L	29	23S	37E
"	Blinebry A Fed.	4	K	29	23S	37E
"	Blinebry A Fed.	10	C	30	23S	37E
"	Blinebry A Fed.	11	E	30	23S	37E
"	Blinebry B Fed.	4	L	34	23S	37E
"	Blinebry B Fed.	8	D	34	23S	37E
"	Eva Blinebry	1	M	29	23S	37E
"	Hodge	4	G	8	24S	37E
"	Hodge	5	A	8	24S	37E
"	Jack Fed.	1	E	8	24S	37E
"	Jack Fed.	3	C	8	24S	37E
"	C. Meyers	2	M	5	24S	37E
"	C. Meyers	8	K	5	24S	37E
"	C. Meyers	5	O	6	24S	37E
"	C. Meyers	6	I	6	24S	37E

5. That attached hereto and made a part hereof is a map, labeled Exhibit "A", which shows the location of the proposed injection wells and the location of all other wells within a radius of two miles of the proposed injection wells, and the formation from which said wells are producing, and that also indicated on said exhibit are the lessees within said two-mile radius.

6. That attached hereto and made a part hereof is Exhibit "B" which is a sketch of an injection well illustrative of the type of injection wells contemplated, showing the casing string, including diameter and setting depth, quantity used and top of cement, perforated or open hole interval, tubing string, including diameter and setting depth, and type and location of packer.

7. That the formation to be waterflooded and into which injection will be made is the Langlie-Mattix formation underlying the Unit Area, the same being the heretofore established reservoir which has been found to occur between the depths of 3168 feet and 3570 feet in Texas Pacific Oil Company's Blinebry "B" Well No. 3 (located in Section 34, Township 23 South, Range 37 East, Lea County, New Mexico), as recorded on the Schlumberger Electrical Log Run No. 1 taken December 26, 1952, said log being measured from the derrick floor elevation of 3300 feet above sea level.

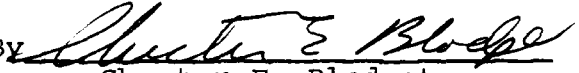
8. That the fluid sought to be injected is water, and the anticipated volumes to be injected are 27,000 BWPD, that the source of injected fluid is water produced from the Unit Area wells and Skelly's Jal Water System from the Seven Rivers Formation and Capitan Reef.

WHEREFORE, PREMISES CONSIDERED, Applicant prays that this Commission, after the giving of notice as required by law, set this matter down for hearing, and that at the conclusion of said hearing based on the evidence adduced enter its order granting the Applicant permission to conduct a waterflood project on the Myers Langlie-Mattix Unit by utilizing as injection wells the wells above described with said secondary recovery project to be governed by the provisions

of Rule 701, for permission to expand or change the waterflood program by administrative means without the necessity of a separate hearing, for appropriate field rules if necessary, and for such other orders, rules and regulations as may be necessary in the premises.

Respectfully submitted,

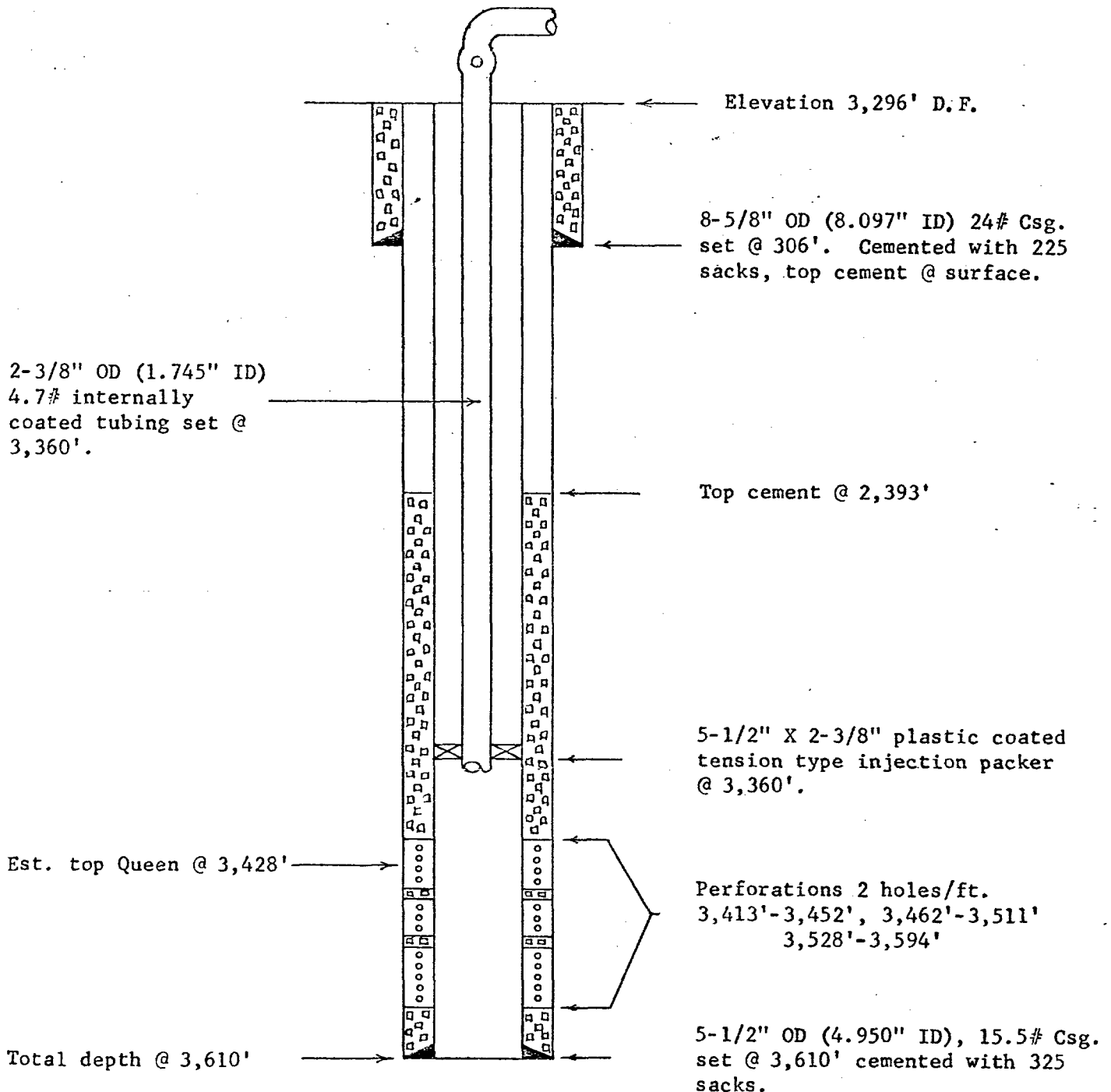
SKELLY OIL COMPANY

By 
Chester E. Blodget
Attorney

Of Counsel:
L. C. White, Attorney
White, Koch, Kelly & McCarthy
P. O. Box 787
Santa Fe, New Mexico 87501

MEYERS LANGLIE MATTIX UNIT

Typical Injection Well With Cased Hole Completion



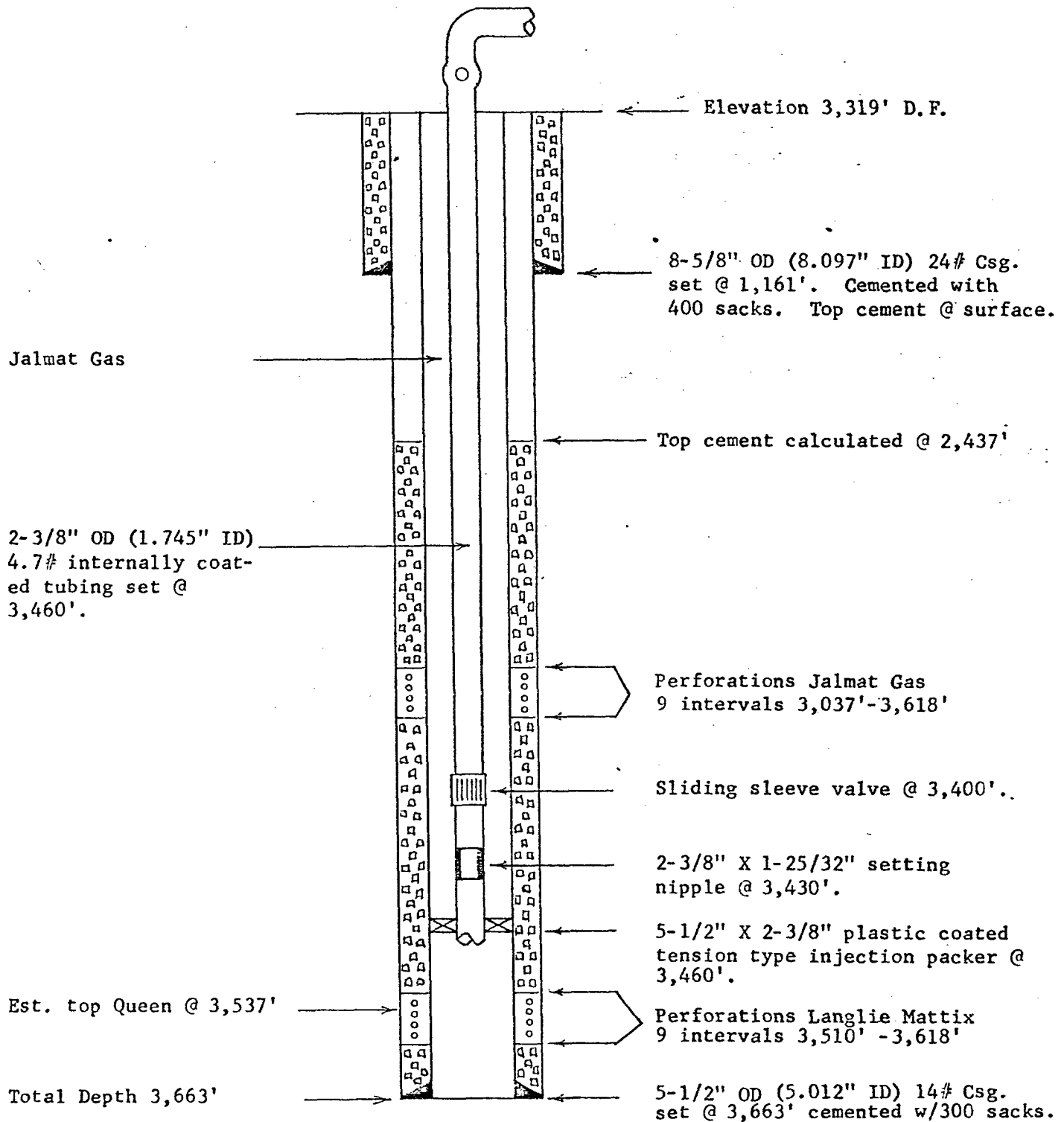
ACTUAL WELL SHOWN:
AMERADA HESS CORPORATION
STATE L.M. "A" COM. NO. 2
UNIT I, SECTION 32, T23S-R37E
LEA COUNTY, NEW MEXICO

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EXHIBIT B-2

MEYERS LANGLIE MATTIX UNIT

Typical Injection Well With Jalmat Gas Zone Open
Dual Completion



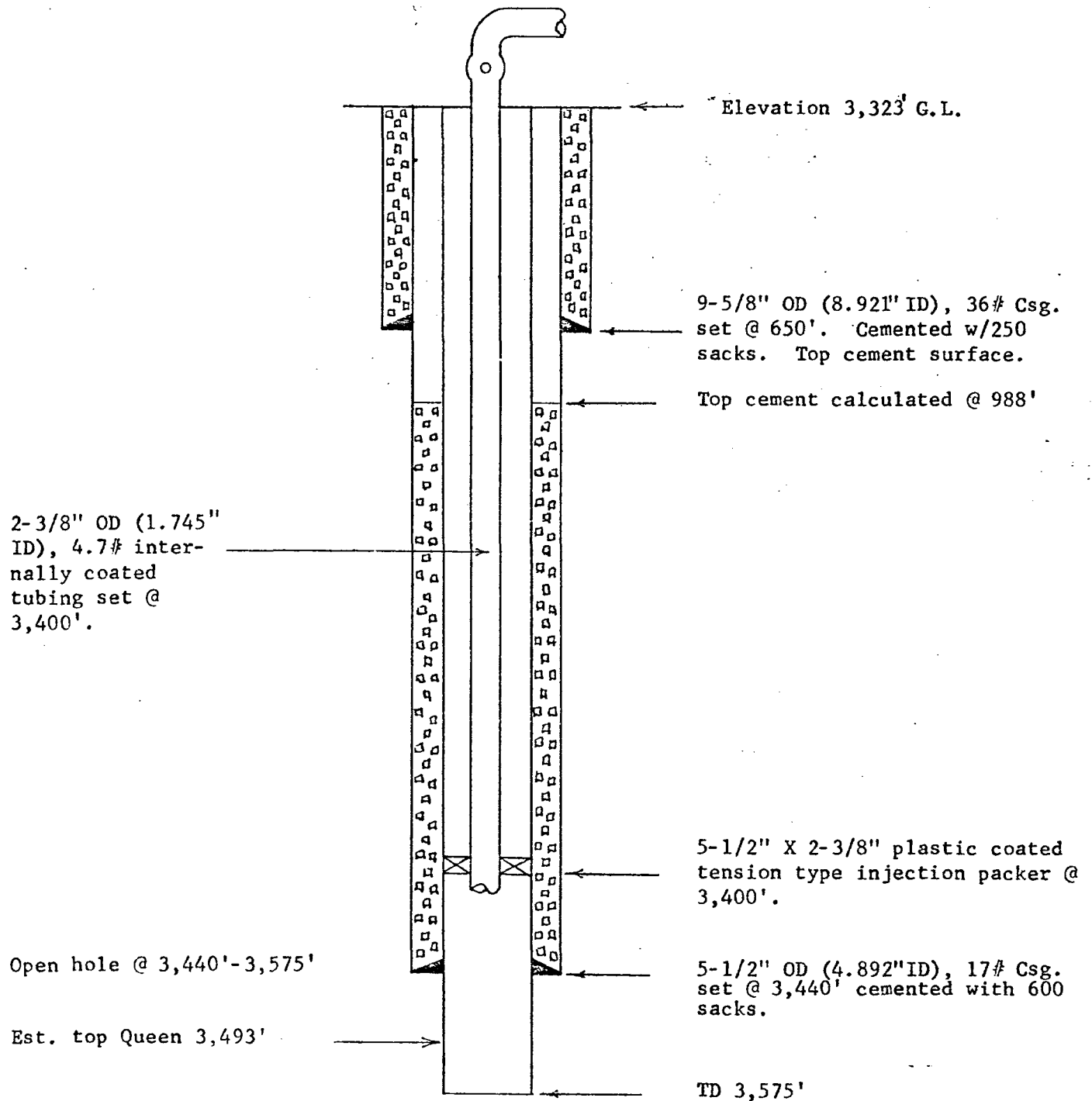
ACTUAL WELL SHOWN:

TEXACO INC. E. E. BLINEBRY "A" NCT-1 FEDERAL NO. 2
UNIT I SECTION 31, T23S-R37E
LEA COUNTY, NEW MEXICO

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EXHIBIT B-3

MEYERS LANGLIE MATTIX UNIT

Typical Injection Well With Open Hole Completion



ACTUAL WELL SHOWN:
TEXAS PACIFIC OIL COMPANY
BLINEBRY "A" FEDERAL NO. 3
UNIT L SEC. 29, T23S-R37E
LEA COUNTY, NEW MEXICO

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