

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<u>Depco</u>	EXHIBIT NO. <u>52,000</u>
CASE NO.	<u>44.5</u>

LOGS

STATE NO. 92

WELL: ARTESIAN

FIELD: ARTESIAN

LOCATION: 990' EEL & 1250' W. OF S.D. 20.

COUNTY: EL PASO STATE: TEXAS

LOG ZERO: 100' ELEV. 1500'

DATE: 1950 ELEV. 1500'

PERM. DATUM: GROUND LEVEL ELEV. 1500'

DATE OF LOG: 1950

NO. OF LOG: 1

AL. DEPTH (IN FEET): 100'

CTIVE DEPTH (IN FEET): 100'

OF LOGGED INTERVAL: 100'

TCM OF LOGGED INTERVAL: 100'

OF FLUID IN HOLE: 100'

ID LEVEL: 100'

MINIMUM RECORDED TEMPERATURE: 100'

FORCE STRENGTH & TYPE: 100'

FORCE SPACING—IN.: 100'

LENGTH OF MEAS. DEVICE—IN.: 100'

OF INSTRUMENT—IN.: 100'

TIME CONSTANT—SECONDS: 100'

LOGGING SPEED FT./MIN.: 100'

STATISTICAL VARIATION—IN.: 100'

SENSITIVITY REFERENCE: 100'

RECORDED BY: 100'

WITNESSED BY: 100'

WELL RECORD

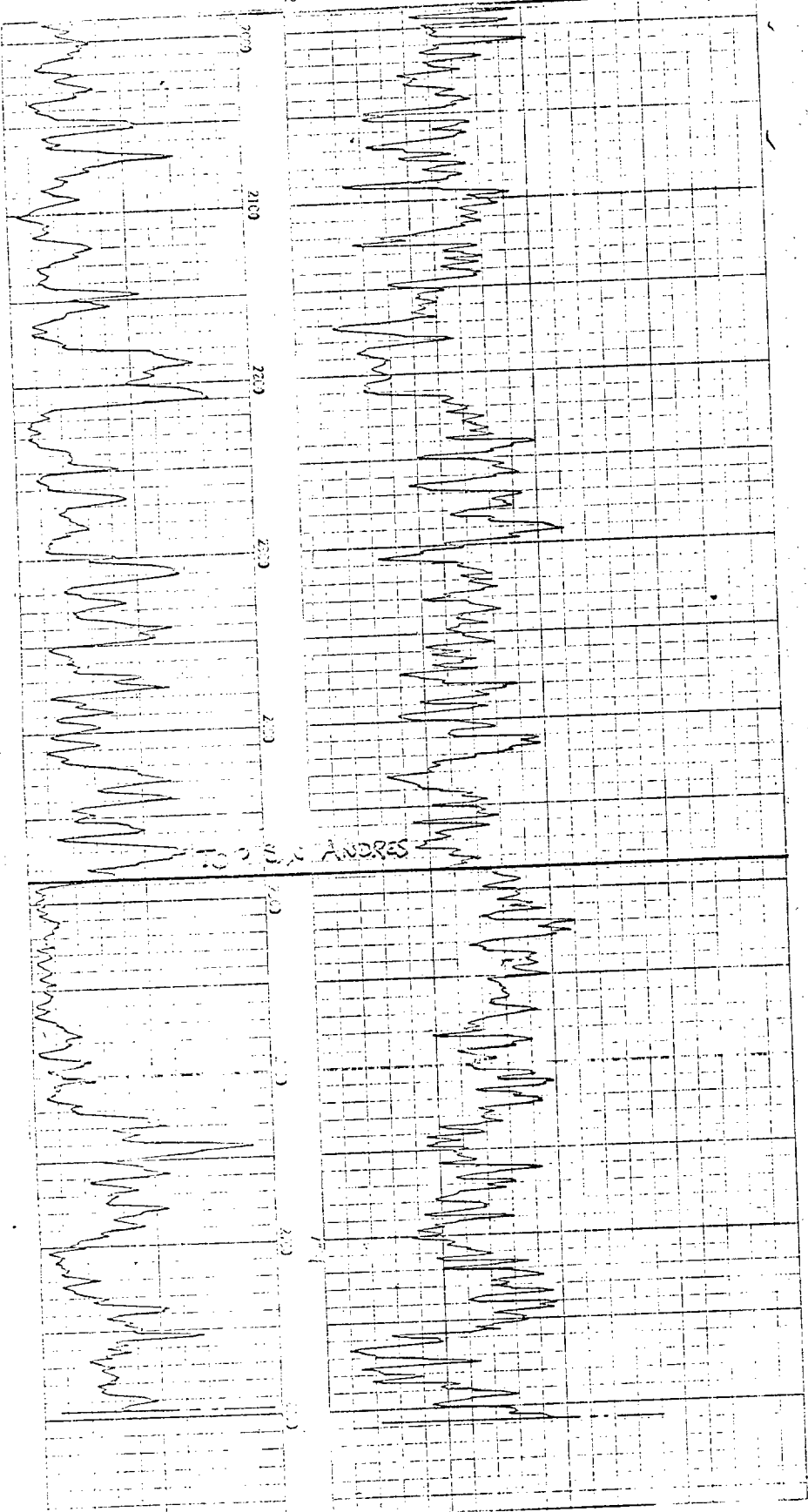
FROM LOG

FROM WELL RECORD

TO

TO

TO

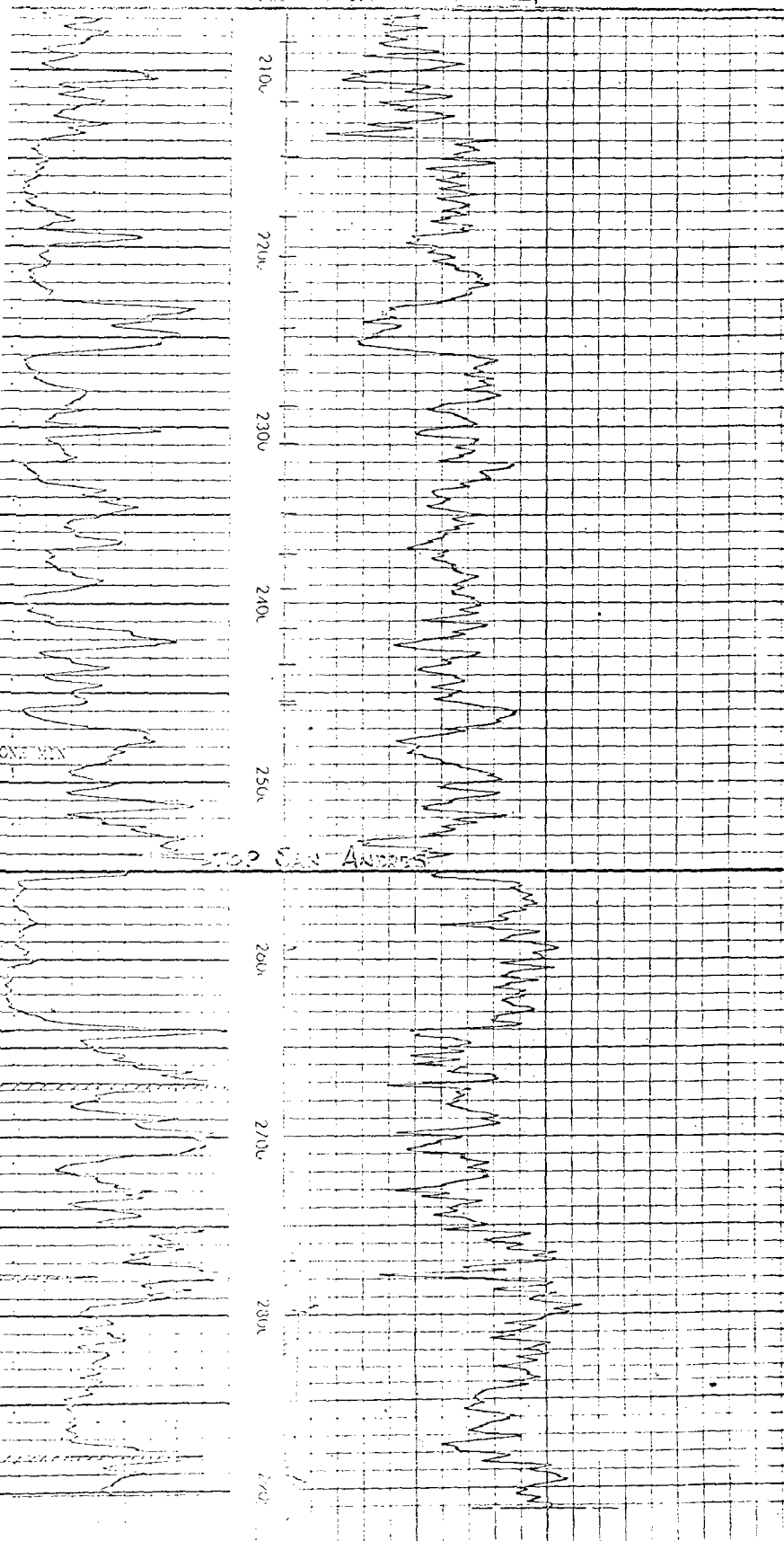


## RADIOACTIVITY LOG

URAL GAMMA RADIATION

INDUCED GAMMA RADIATION

STATION # 100	COMPANY MALCO-RESLER-YATES	Location
FILE		Sec. 27
WELL STATE # 100		Twp. 18
FIELD Artesia		Age. 28
COUNTY Eddy	STATE New Mex.	
SEC. 27 TWP. 18 RGE. 23		Elev. D.M. 3571'
SURVEY		K.S. 3572'
		Grd.
Measured From Derrick Floor	Elevation	3571'
ng Measured From Derrick Floor	Elevation	3571'
ment Datum Derrick Floor	Elevation	3571'
Log	GROSS	N. GROSS
No.	ONE	ONE
Age Logged	3-15-50	3-15-50
1 Depth, Driller	2,912'	2,912'
1 Depth, Logged	2,920'	2,920'
1 Depth, Logged	2,902'	2,912'
1 of Fluid in Hole	0:1	0:1
1 Level		
1 Temp.	96 F.	96 F.
1 ion Source Strength	500mg	
1 uto Center of Counter	in.	in.
1 th Meas. Device-in	2012	2012
1 of Instrument-in	3-5-50	3-5-50
1 e Constant-sec	2	2
1 ing Speed Ft. min.	See Remarks	
1 Iron Source Code	Blue	
1 CR No.	4102	4132
1 orded by	J. E. Jones	







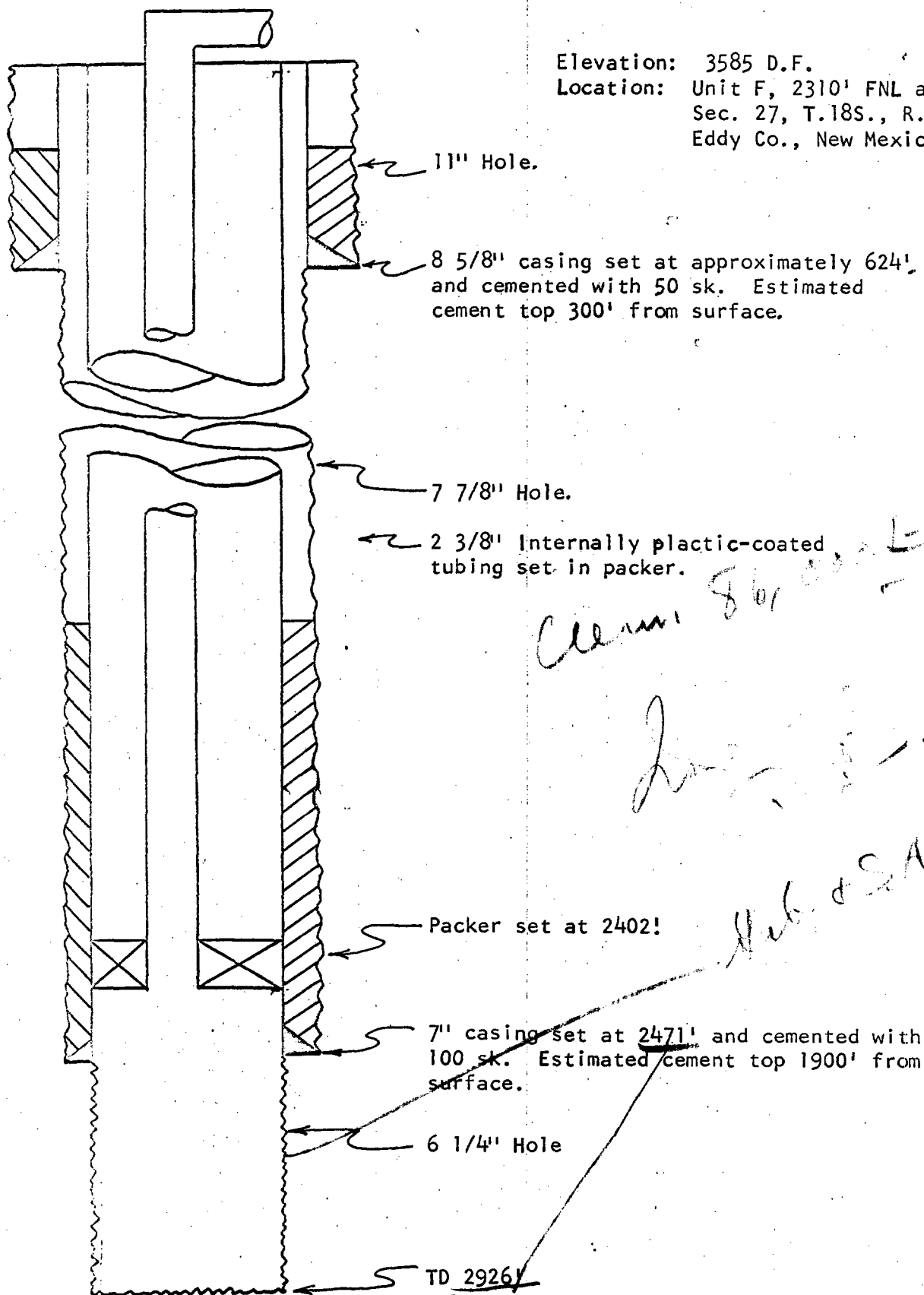
BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<u>Depco</u>	EXHIBITS NO. <u>3, A - E</u>
CASE NO.	<u>4415</u>

DIAGRAMMATIC SKETCHES

DIAGRAMMATIC SKETCH  
PRESENT WELL CONDITIONS  
STATE 647 WELL NO. 82

SE NW

Elevation: 3585 D.F.  
Location: Unit F, 2310' FNL and WL of  
Sec. 27, T.18S., R.28E.,  
Eddy Co., New Mexico

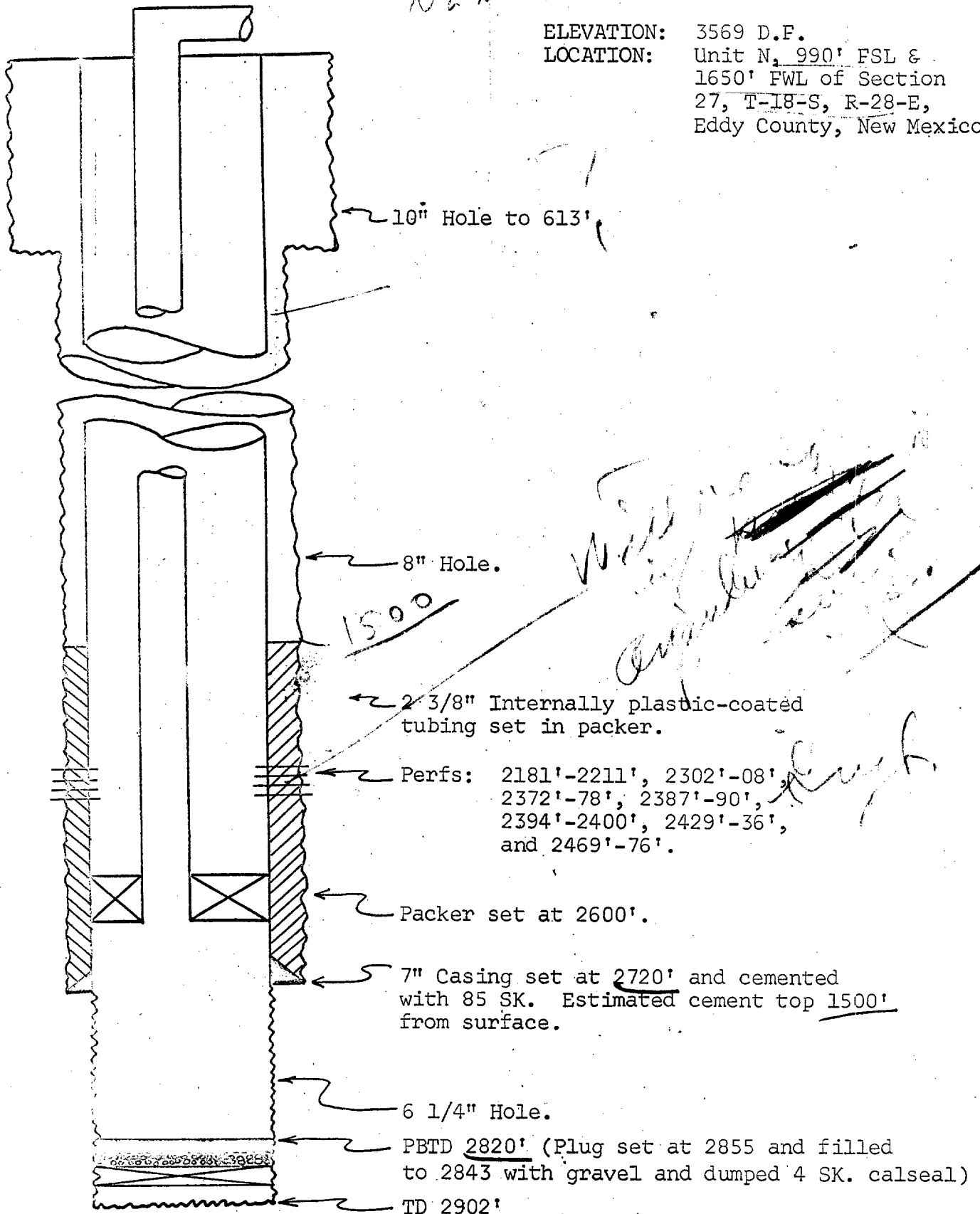


# DIAGRAMMATIC SKETCH

PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 92

NE NW - 27

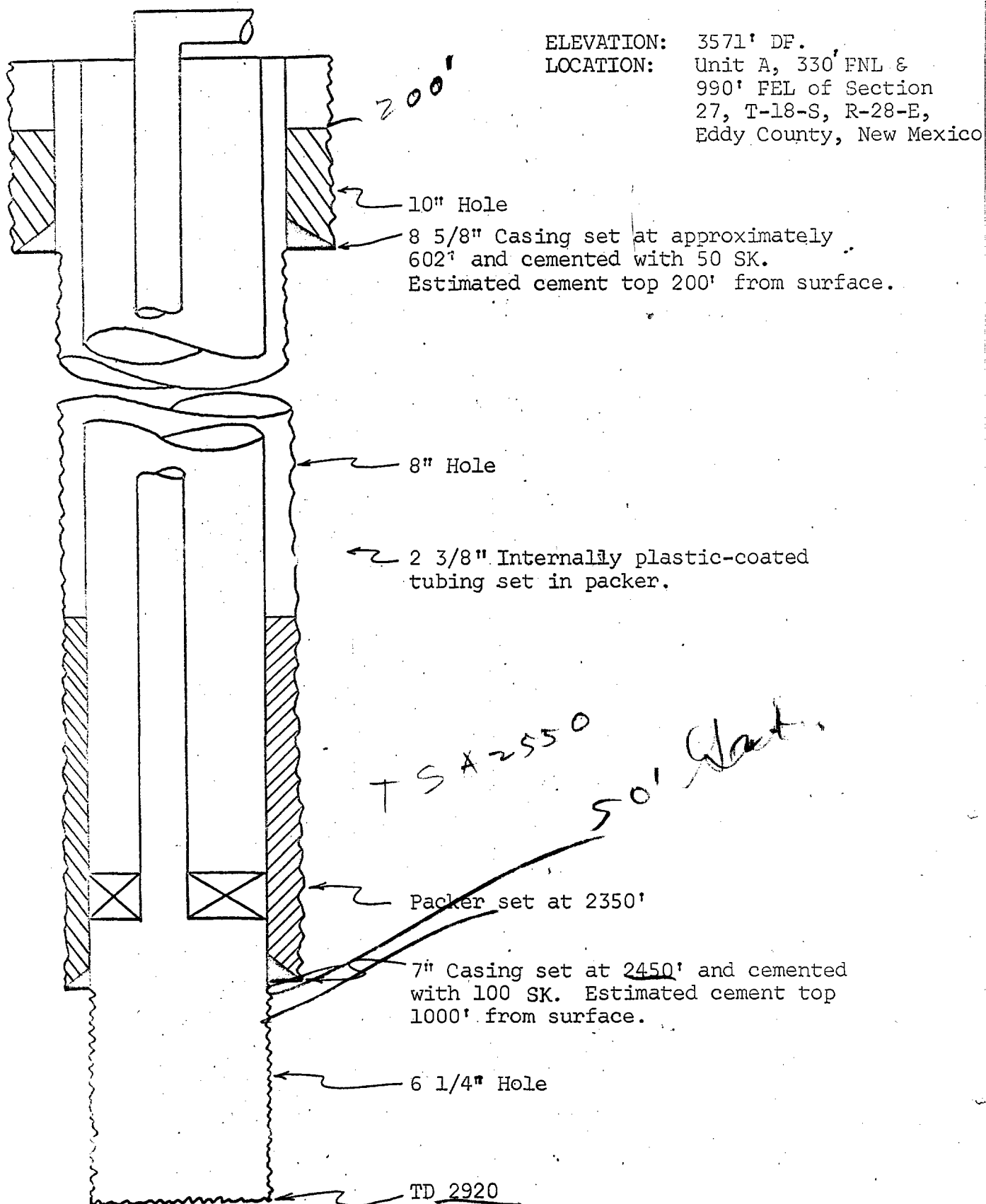
ELEVATION: 3569 D.F.  
LOCATION: Unit N, 990' FSL &  
1650' FWL of Section  
27, T-18-S, R-28-E,  
Eddy County, New Mexico.





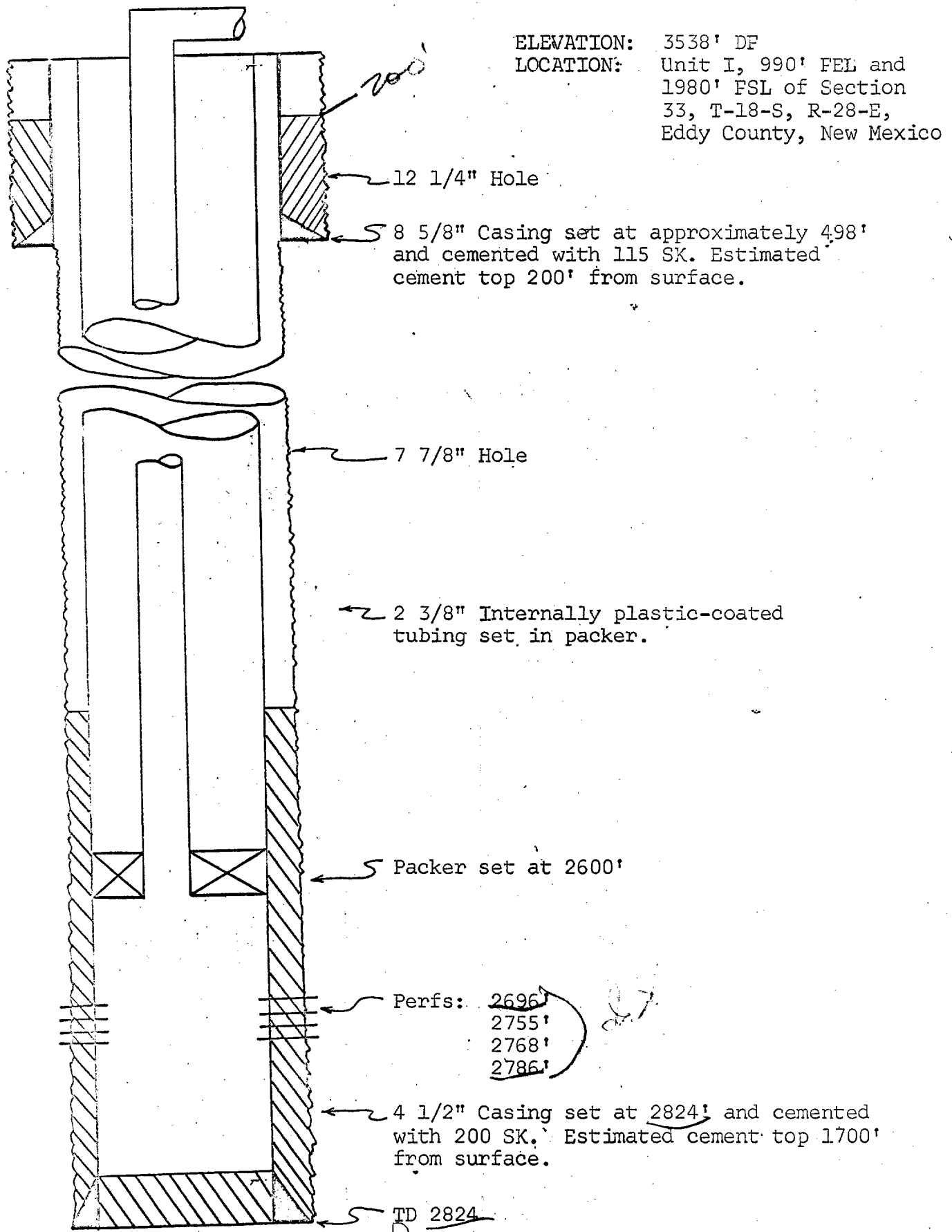
DIAGRAMMATIC SKETCH

PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 100



DIAGRAMMATIC SKETCH

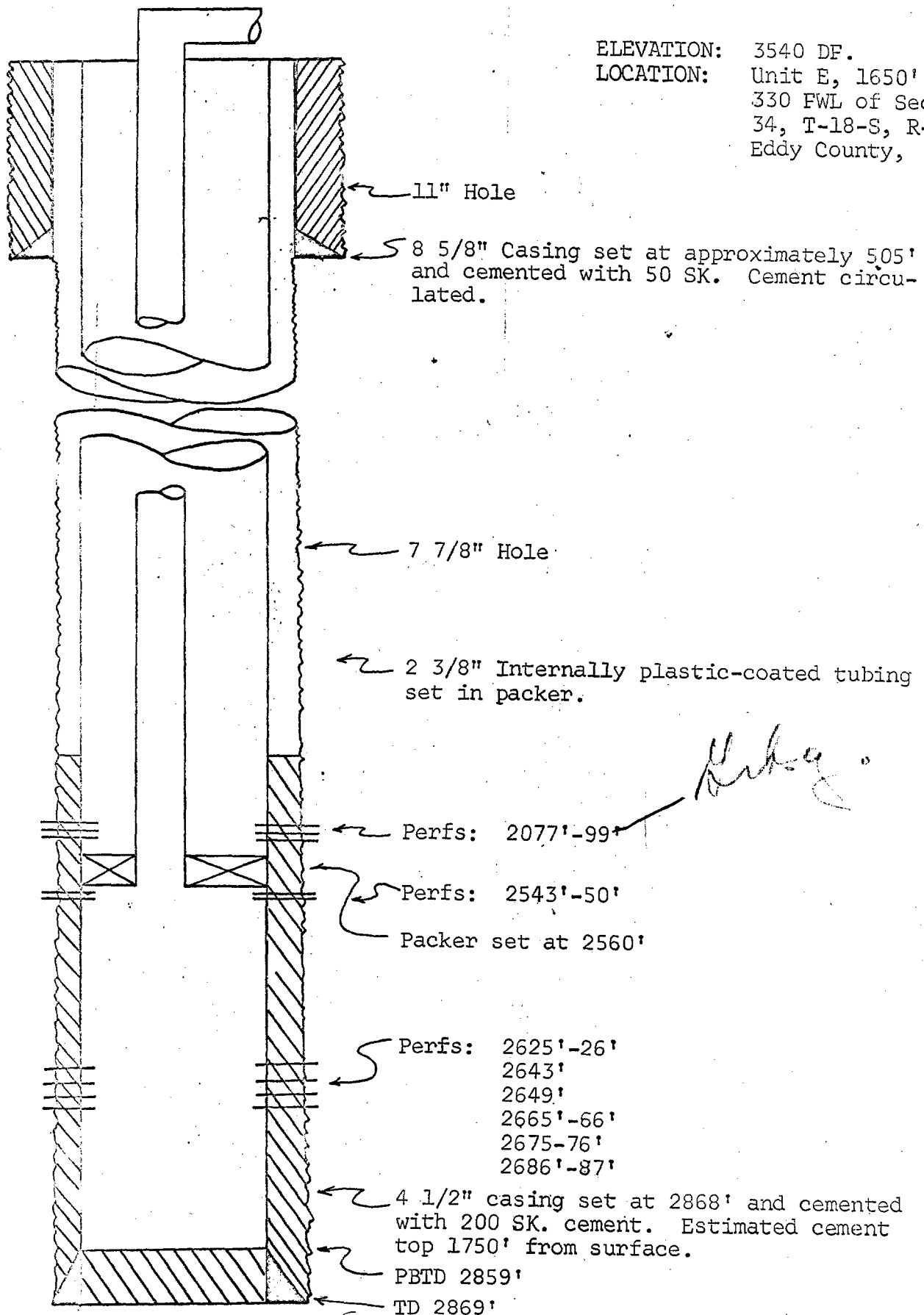
PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 207



# DIAGRAMMATIC SKETCH

## PROPOSED WELL CONDITIONS STATE 647 WELL NO. 217

ELEVATION: 3540 DF.  
LOCATION: Unit E, 1650' FNL &  
330 FWL of Section  
34, T-18-S, R-28-E,  
Eddy County,



BEFORE EXAMINER UTZ  
OIL CONSERVATION COMMISSION  
*Depeco* EXHIBIT NO. 4  
CASE NO. 4415

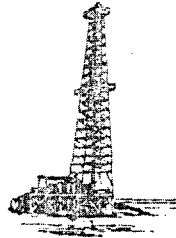
INITIAL PROJECT AREA  
CAMP WATERFLOOD  
INDIVIDUAL WELL DATA

<u>Lease</u>	<u>Well No.</u>	<u>Cumulative Oil as of 7-1-70</u>	<u>July BOPD</u>	<u>Date of Completion Mo. - Yr.</u>	<u>Completion Interval</u>	<u>Stimulation</u>
State 647 AC 711	68	57,203	1	7-34	2233-2877'	2000 gals acid
	70	46,581	6	10-35	2305-2871'	80 qts nitro & 3500 gals acid
	74	92,242*	2	10-36	2210-2825'	150 qts nitro & 3000 gals acid
	<u>82</u>	*	SWD✓	11-47✓	2471-2924'	5500 gals acid
	83	42,447	5	5-48	2614-2775'	3000 gals acid & 43,000 gal frac
	84	87,266	8	1-48	1952-2842'	4000 gals acid & 40,000 gal frac
	85	47,895	4	1-48	2605-2848'	2500 gals acid & 38,000 gal frac
	86	37,972	5	2-48	2115-2870'	2000 gals acid & 40,000 gal frac
	87	77,520	3	1-48	2236-2833'	40,000 gal frac
	89	47,154	4	2-48	2703-2884'	2500 gals acid
	90	40,558	5	4-48	2097-2796'	5000 gals acid & 38,000 gal frac
	<u>92</u>	31,743	3✓	7-48✓	2181-2855'	9000 gals acid & 50,000 gal frac
	93	23,732	2	11-56	1987-2514'	50,000 gal frac
	<u>100</u>	60,253	1✓	7-49✓	2450-2920'	3000 gals acid & 20,000 gal frac
	101	44,398	1	1-50	2800-2890'	4500 gals acid
	200	11,411	SI	4-64	2534-2849'	2750 gals acid & 17,500 gal frac
State 647 AC 721	199	32,910	7	3-64	2663-2777'	30,000 gal frac
	201	28,246	6	6-64	2652-2787'	7000 gals acid & 25,000 gal frac
	<u>207</u>	10,988	4✓	4-66	2696-2786'	500 gals acid & 40,000 gal frac
	<u>217</u>	7,492	4✓	12-66	2077-2687'	3500 gals acid & 39,000 gal frac
State 647 AC 731	205	38,802	12	5-65	2006-2769'	1750 gals acid & 40,000 gal frac
State E-1288	<u>81</u>	<u>64,995</u>	<u>4</u>	8-47	2283-2872'	4000 gals acid
Total	<u>21</u>	931,808	87			

\*Cumulative was carried combined on Wells No. 74 and 82 since both wells are located in the same proration unit.

DEPCO, Inc.

Exploration & Production



800 Central  
ODESSA, TEXAS 79760

July 30, 1970

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

*Case 4415*

Subject: Application for Injection  
of Water  
Project: Proposed Camp Waterflood  
Field : Artesia  
County : Eddy

Gentlemen:

DEPCO, Inc. requests a hearing to approve injection of water into the San Andres pay for the purpose of waterflood operations in the proposed Camp Flood. This project area is shown by the plat, Exhibit 1 and is located in sections 22, 23, 27, 28, 33, and 34, T-18-S, R-28-E, Eddy County, New Mexico.

This application also requests approval to permit producers State 647 Wells No. 90, 92, 100, 207, and 217 to be converted to water injection status. The attached plat also shows the location of the present produced water injector, proposed water injectors, producing wells, and lease ownership within a two-mile radius of the proposed injectors. Exhibit 2 contains logs or portions of logs over the zones of interest for the five (5) proposed injection wells. Also, diagrammatic sketches for these wells are presented in Exhibit 3.

Injection will be into the San Andres pay at an approximate depth of 2700'. Approximately 500 BWPD will be injected into each of the proposed injectors. Water for this project will be purchased from one of the water companies which have distribution facilities in the vicinity.

Very truly yours,

W. C. Smith  
District Engineer

WCS: mas

Attachments

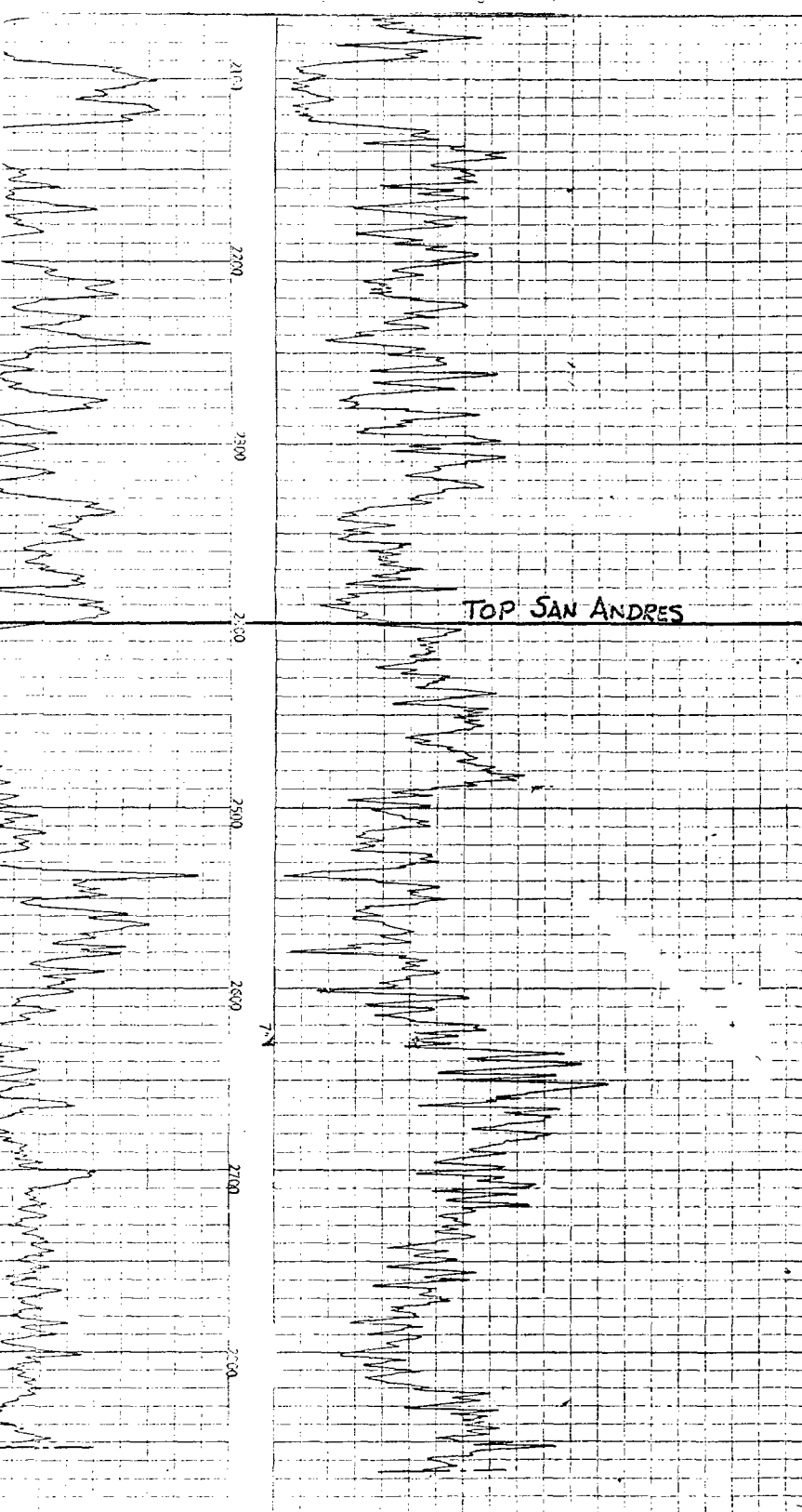
cc: NMOCC-Artesia  
John Strader-Denver  
Leon Standard-Artesia

LOGS

LINE 3 WELLS

Radioactivity  
Log

STATE NO. 90		STATE N.M.		COMPANY: RESLER & TATES ETAL		Location of Well	
WELL: ANTESIA		EDDY		WELL: STATE NO. 90			
FIELD: ANTESIA				FIELD: ANTESIA			
COUNTY: EDDY				COUNTY: EDDY		STATE: N.M.	
LOCATION: ANTESIA				LOCATION: NW 1/4 OF NW 1/4 SEC. 34, T-18-S			
				R-26-E			
LOG MEAS. FROM				DEHRICK FLOOR		ELEV. ....	
DR.G. MEAS. FROM				DEHRICK FLOOR		ELEV. ....	
PERM. DATUM				GROUND LEVEL IS 2' BELOW D.F.		ELEV. ....	
OF LOG NO.		GUM RAY		NEUTRON			
1-0.W.		1-0.W.		1-0.W.			
7-12-56		7-12-56		7-12-56			
2850		2850		2850			
2850		2850		2850			
SURF.		SURF.		SURF.			
2852		2852		2852			
OIL		OIL		OIL			
2850		2850		2850			
MUM. RECORDED TEMP.		600H		600H			
ICE STRENGTH & TYPE		E.25		E.25			
ICE SPACING — IN.		9.1*		9.1*			
TIME OF MEASURING DEVICE — IN.		3 5/8		3 5/8			
OF INSTRUMENT — IN.		5.5		5.5			
CONSTANT — SECONDS		28-4.0		28-4.0			
SING. SPEED FT. MIN.		271		275			
SIGNAL VARIATION — IN.		KIMBALL & AMALONG		KIMBALL & AMALONG			
SING. REFERENCE		EVANS		EVANS			
SING. BY							
SING. BY							
WELL RECORD							
NO. BITS SIZE		CASING WT.—LB.		FROM WELL RECORD		FROM LOG	
1 7		SURF.		TO 2600		SURF. TO 2632	
O.W.				TO 2850		TO 2867	
				TO		TO	
				TO		TO	
				TO		TO	
				TO		TO	



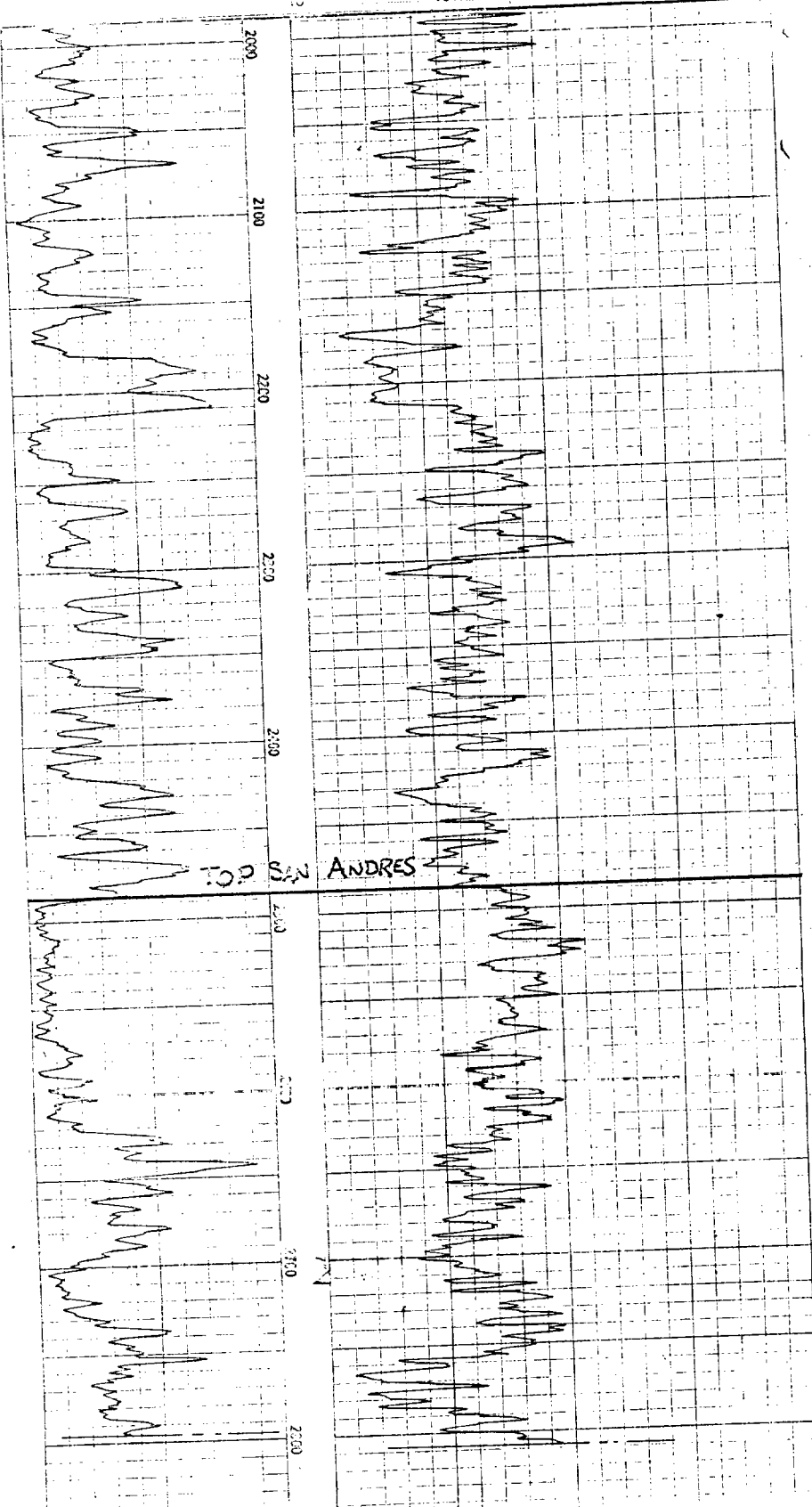
STATE NO. 92  
WELL: STATE NO. 92  
FIELD: ARTESIA  
LOCATION: 990' FSL & 1650' FAL OF SEC. 27,  
T-10S, R-2E, S-4E  
COUNTY: EDLEY STATE: N.MEX.  
LOG ZERO: BERRICK FLOOR ELEV. 3569  
DRLG. ZERO: BERRICK FLOOR ELEV. 3569  
PERM. DATUM: GROUND LEVEL ELEV. 3566

NO. OF LOG	DATE	TIME	RECORDED BY
1	9-21-56	9:25 AM	
2	9-21-56	9:30 AM	
3	9-21-56	9:35 AM	
4	9-21-56	9:40 AM	
5	9-21-56	9:45 AM	
6	9-21-56	9:50 AM	
7	9-21-56	9:55 AM	
8	9-21-56	10:00 AM	
9	9-21-56	10:05 AM	
MAXIMUM RECORDED TEMP.			
FORCE STRENGTH & TYPE			
SPACING - IN.			
LENGTH OF MEAS. DEVICE - IN.	3 5/8"		
OF INSTRUMENT - IN.	1 1/8"		
TIME CONSTANT - SECONDS	20-30		
LOGGING SPEED FT./MIN.	20-30		
STATISTICAL VARIATION - IN.			
SENSITIVITY REFERENCE			

RECORDED BY: [Signature]  
WITNESSED BY: [Signature]

WELL RECORD

UN	BIT SIZE	CASING	WT.-LB.	FROM WELL RECORD	FROM LOG
1	8 3/4"	8 5/8"		SURFACE TO 213	SURFACE TO 2712
2				213 TO 255	2712 TO 2810
3				255 TO 2810	





# RADIOACTIVITY LOG

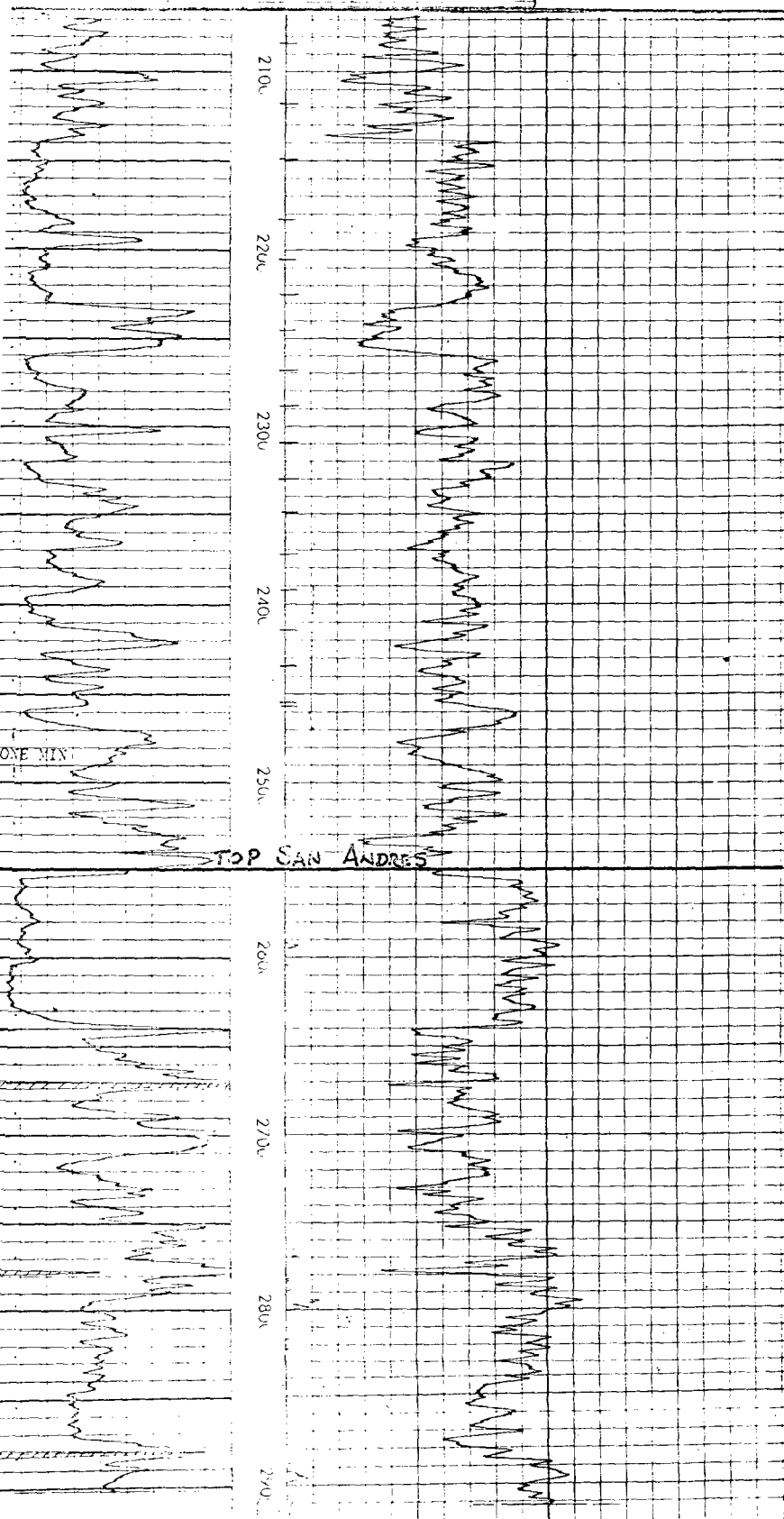
URAL GAMMA RADIATION

INDUCED GAMMA RADIATION

WELL STATE # 100 FIELD ARTESIA County Eddy State N.M.	COMPANY MALCO-RESLER-YATES		Location
	FILE		Sec. 27
	WELL STATE # 100		Twp. 18
	FIELD Artesia		Rge. 28
	COUNTY Eddy	STATE New Mex	
	SEC. 27 TWP. 18 RGE. 28		Elev. D.F. 3571'
SURVEY		K.B. 3572'	
		Grd.	

Measured From	Derrick floor	Elevation	3571'
ng Measured From	Derrick floor	Elevation	3571'
ment Datum	Derrick floor	Elevation	3571'

Log	GAMMA	N. GAMMA
No.	ONE	ONE
Age Logged	3-15-56	3-15-56
l Depth, Driller	2,412'	2,412'
l Depth, Logged	2,920'	2,920'
l of Fluid in Hole	011	011
l Level		
Temp.	96 F	96 F
Iron Source Strength	400mg	
eto Center of Counter	in.	in.
th Meas. Device-in	29in	1din
l of Instrument-in	3 5/8"	3 5/8"
e Constant-sec.	2	2
ing Speed Ft. min.	See remarks	
Iron Source Code	Blue	
ck No.	4132	4132
ordered by	G. F. Jones	



FILE NO. *100-100-100*

COMPANY INTERNATIONAL - YATES

WELL STATE 647 NO. 207

FIELD ARTESIA

COUNTY EDDY STATE NEW MEXICO

LOCATION: 1980' FSL & 990' FEL

SEC 23 TWP 18-S RGE 28-E

Other Services: F/L MF/L-CALIPER M.O.P.

Elevations: KB 3545 DF 3543 GL 3538

Permanent Datum GROUND LEVEL Elev. 3538

Log Measured from K 3 7 Ft. Above Permanent Datum

Drilling Measured from K 3

Date 1/18/66

Run No. 1

Type Log MECHANICAL

Depth-Driller 2824

Depth-Logger 2824

Bottom Logged Interval 2824

Top Logged Interval 0

Type Fluid in Hole 8.5% MUD

Spillage Perm. Ct. 100.000 PPM

Density Lb. Gal. 11.9

Level Full

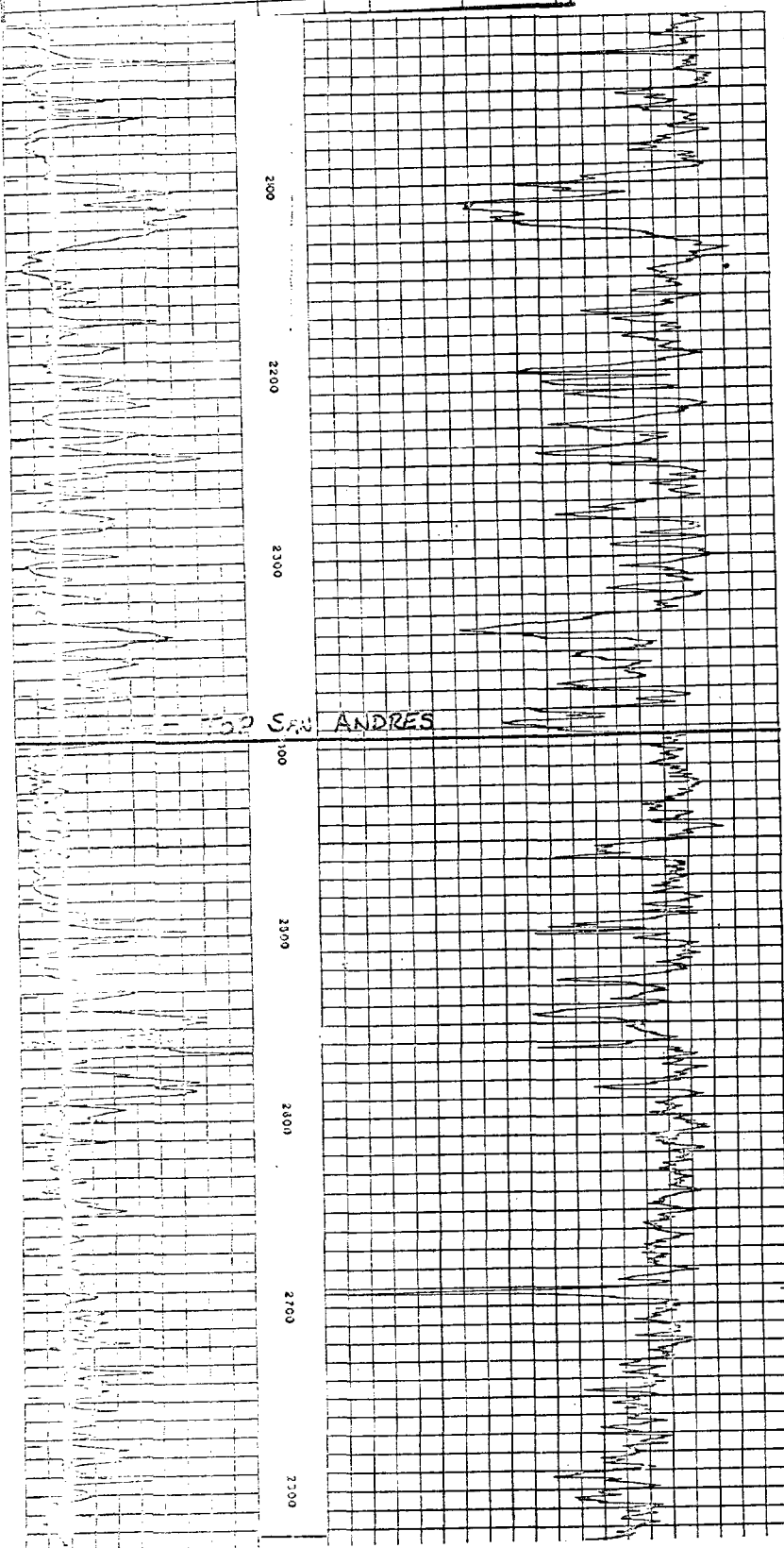
Max. Rec. Temp. Deg. F 120

Obs. Rig Time 2 HOURS

Recorded By SPANIS

Witnessed By TERRY GERRISON & MR. STRADER

Spore Hole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	7 7/8"	500	2824	5 5/8"		SURFACE	500



FILE NO. \_\_\_\_\_

COMPANY DEPCO, INCORPORATED

WELL STATE 647 NO. 217

FIELD ARTESIAN

COUNTY EDDY STATE NEW MEXICO

LOCATION: 1650' FNL & 330' FWL  
UNIT E.

SEC 34 TWP 18-S RGE 28-E

Permanent Datum GROUND LEVEL Elev. 3532

Log Measured from K. B. 8 Ft. Above Permanent Datum

Drilling Measured from K. B.

Elevations  
KB 3540  
DF 3539  
GL 3532

Date 11-28-66

Run No. 108E

Type Log G/D/C

Depth Driver 2865

Depth Logger 2870

Bottom Logged Interval 2867

Top Logged Interval 2860

Type Fluid in Hole WATER

Salinity Ppm Cl.

Density lb. Gal.

Level FULL

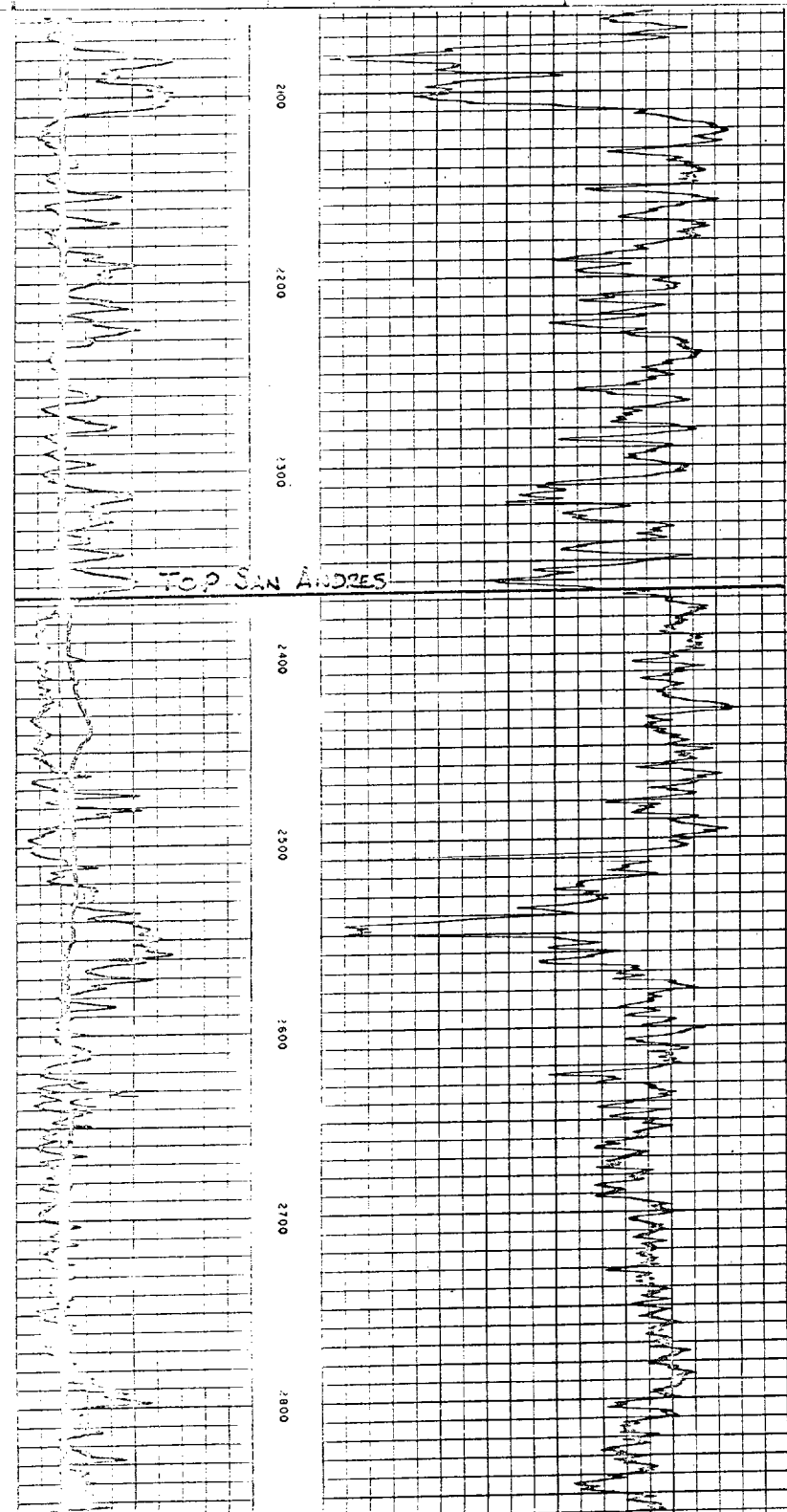
Max. Rec. Temp. Deg. F 89

Opn. Rig Time 14 HOURS

Recorded By MAYFIELD

Witnessed By MR. STRADER

Bore Hole Record				Casing Record			
No.	Bit	From	To	Size	Wgt.	From	To
1	1 1/4"	SURF	500	3 5/8"	24	SURF	500
2	1 1/2"	500	550				

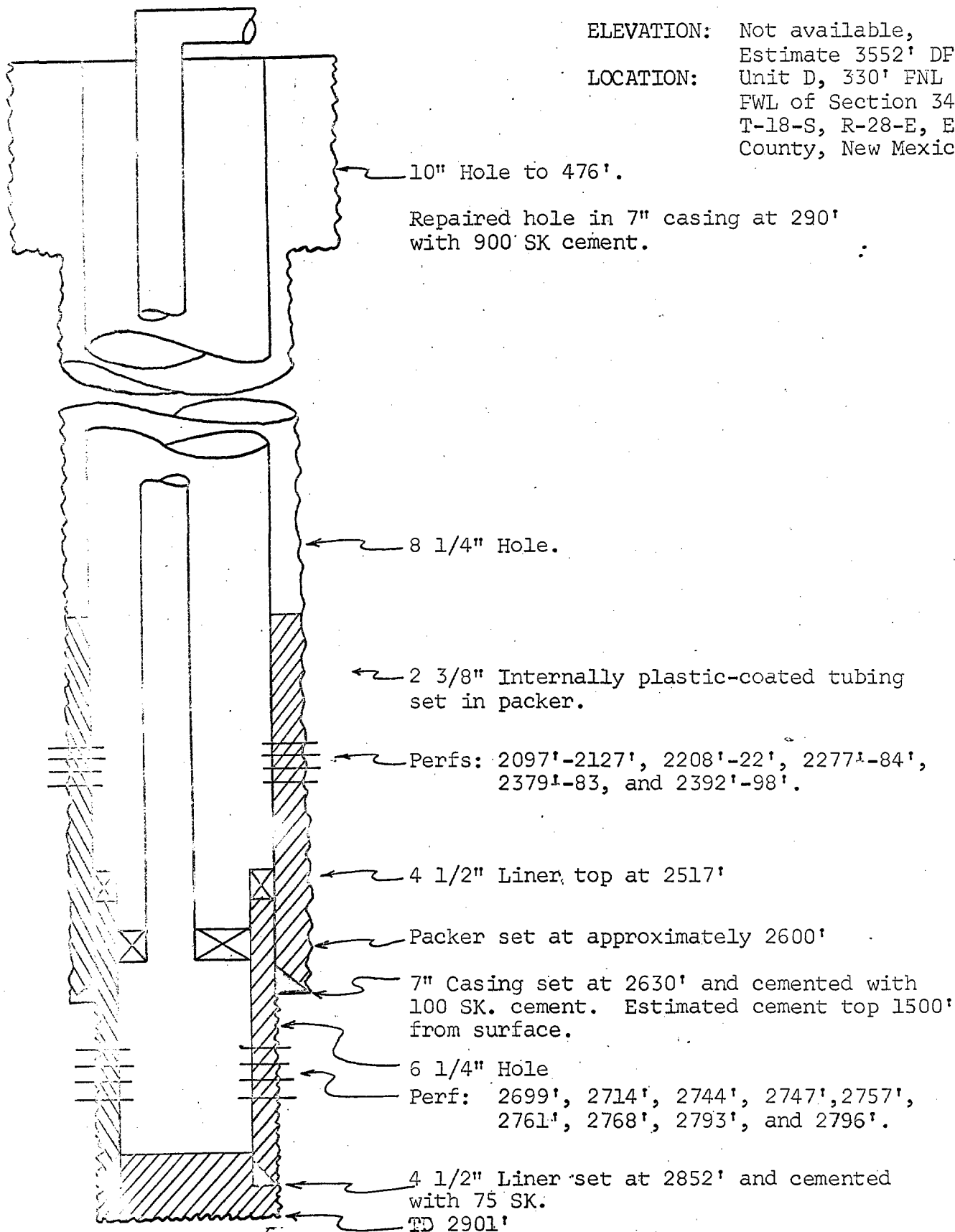


DIAGRAMMATIC SKETCHES

# DIAGRAMMATIC SKETCH

## PROPOSED WELL CONDITIONS STATE 647 WELL NO. 90

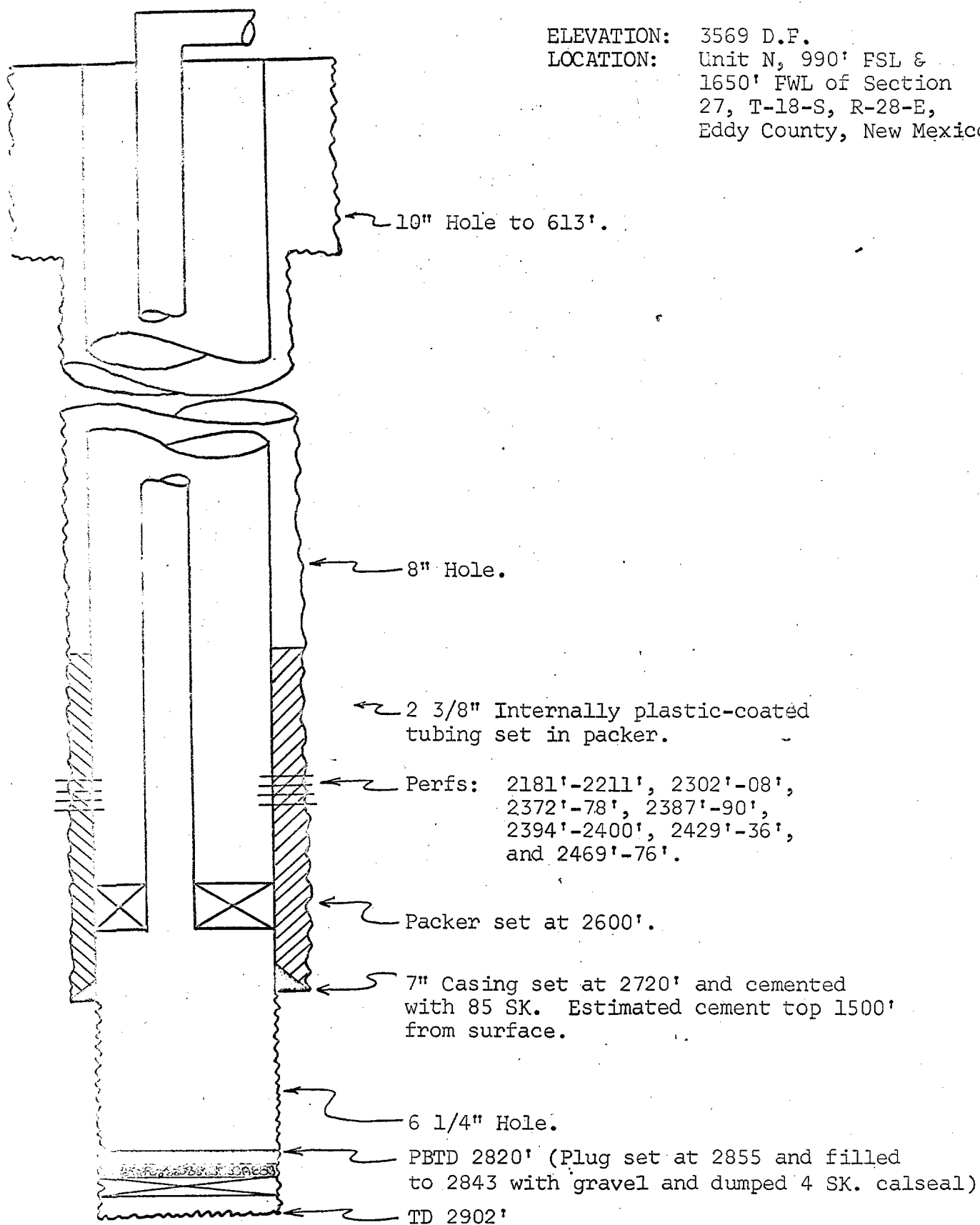
ELEVATION: Not available,  
Estimate 3552' DF.  
LOCATION: Unit D, 330' FNL &  
FWL of Section 34,  
T-18-S, R-28-E, Eddy  
County, New Mexico



DIAGRAMMATIC SKETCH

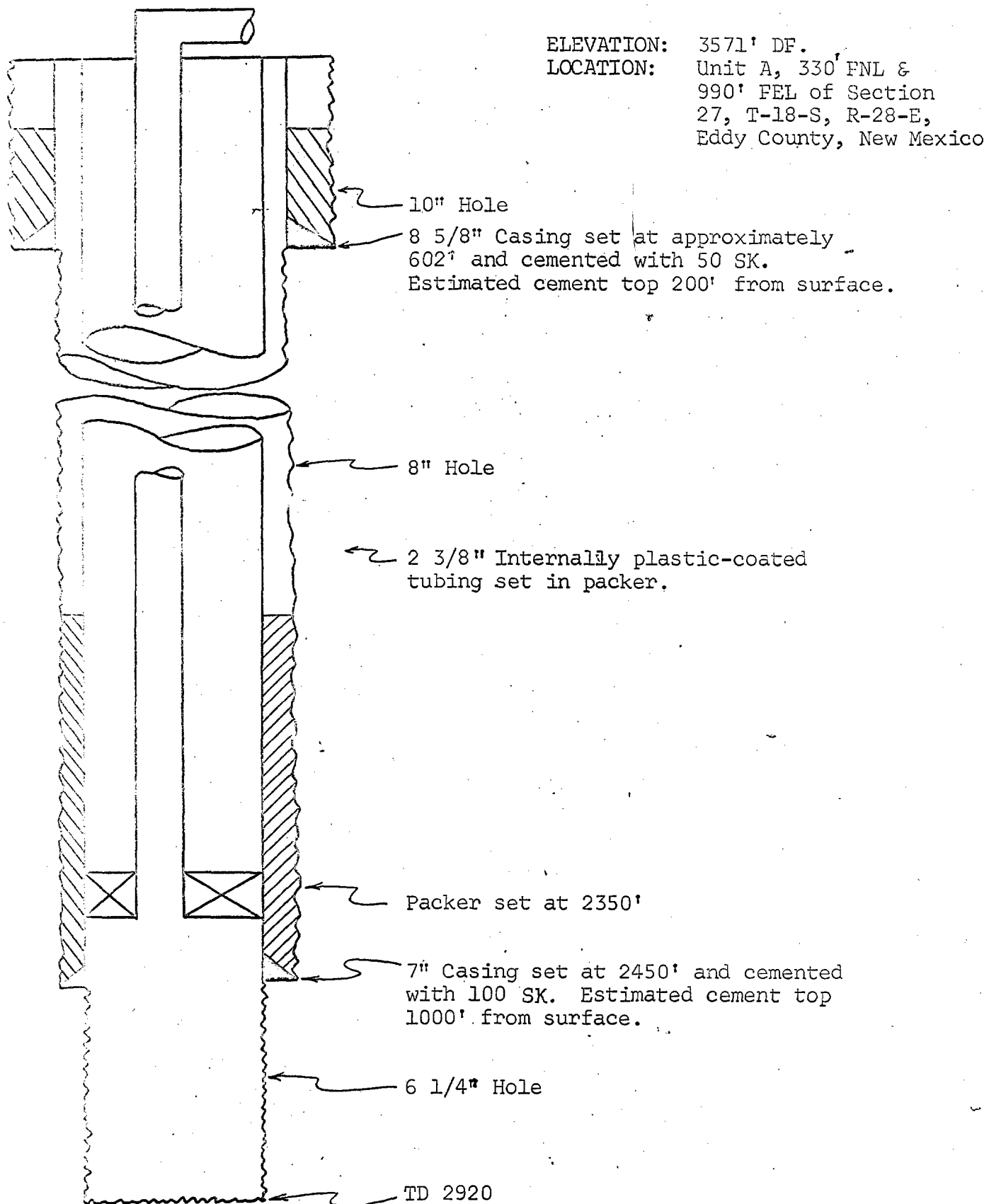
PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 92

ELEVATION: 3569 D.F.  
LOCATION: Unit N, 990' FSL &  
1650' FWL of Section  
27, T-18-S, R-28-E,  
Eddy County, New Mexico.



DIAGRAMMATIC SKETCH

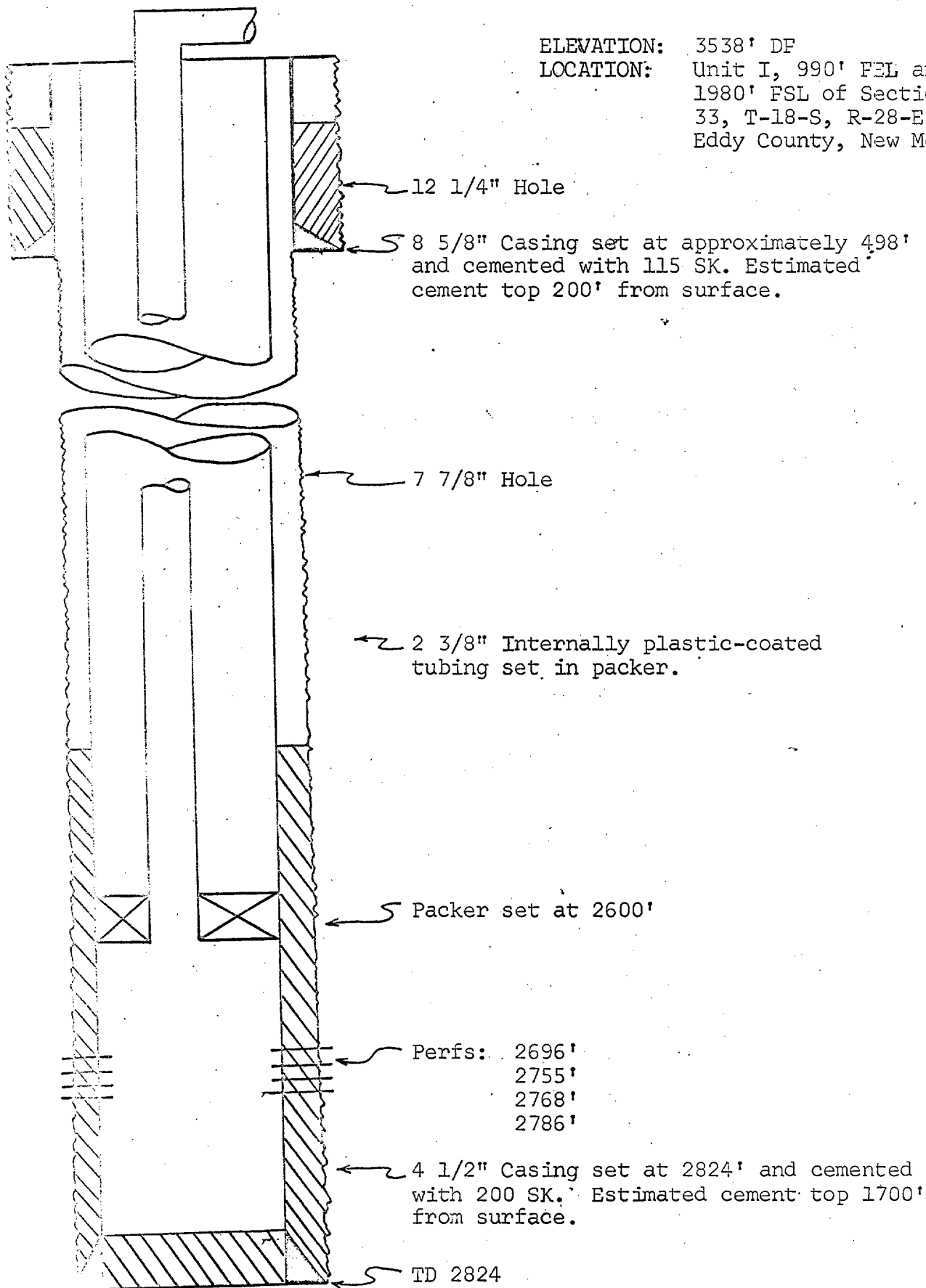
PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 100



DIAGRAMMATIC SKETCH

PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 207

ELEVATION: 3538' DF  
LOCATION: Unit I, 990' FEL and  
1980' FSL of Section  
33, T-18-S, R-28-E,  
Eddy County, New Mexico





# DIAGRAMMATIC SKETCH

PROPOSED WELL CONDITIONS  
STATE 647 WELL NO. 217

ELEVATION: 3540 DF.  
LOCATION: Unit E, 1650' FNL &  
330 FWL of Section  
34, T-18-S, R-28-E,  
Eddy County,

