

LEGEND

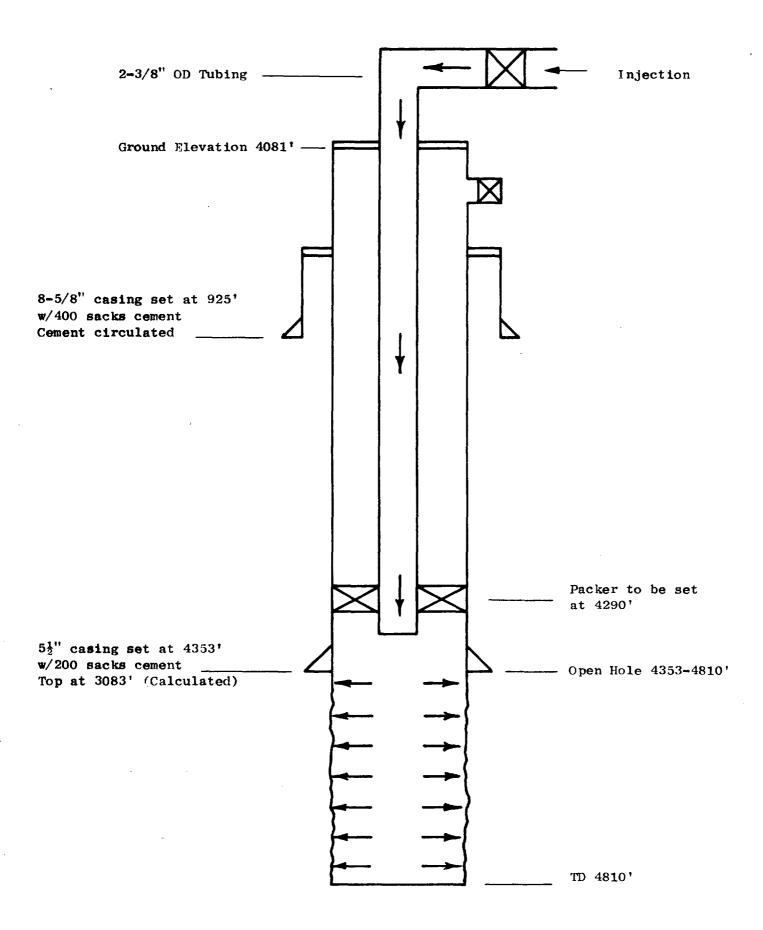
UNIT BOUNDARY

EXHIBIT 2

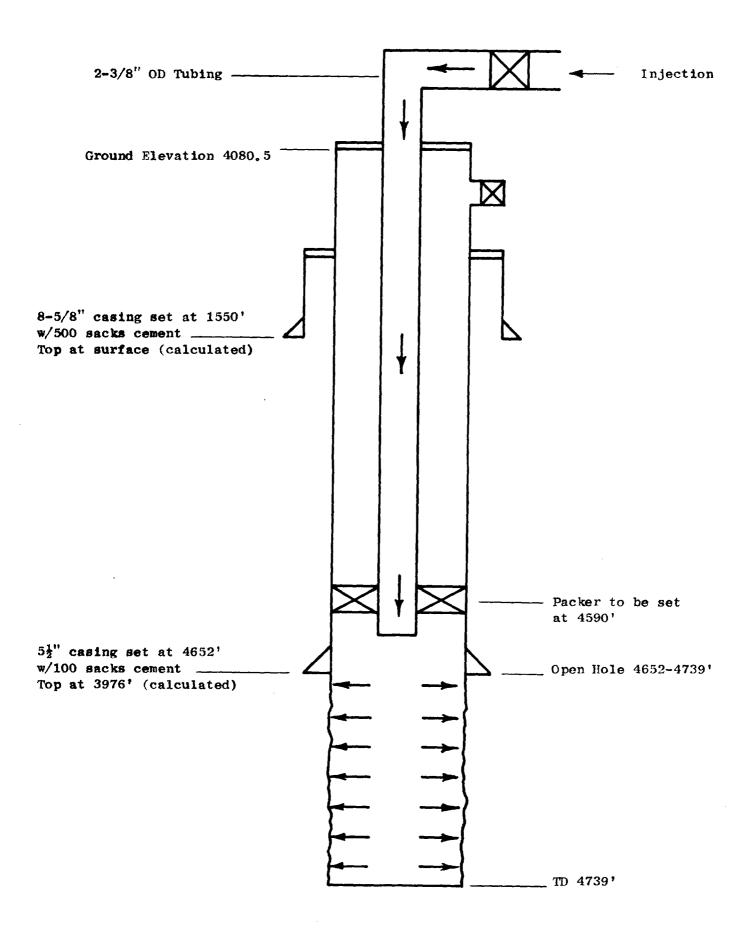
PROPOSED STATE VACUUM UNIT

TOWNSHIP 17 S, RANGE 34 E LEA COUNTY, NEW MEXICO

Schematic Drawing of Injection Well Unit Well No. 1 (Phillips Lea No. 21) 660' FSL & 680' FWL Section 29, T-17S, R-34E Lea County, New Mexico



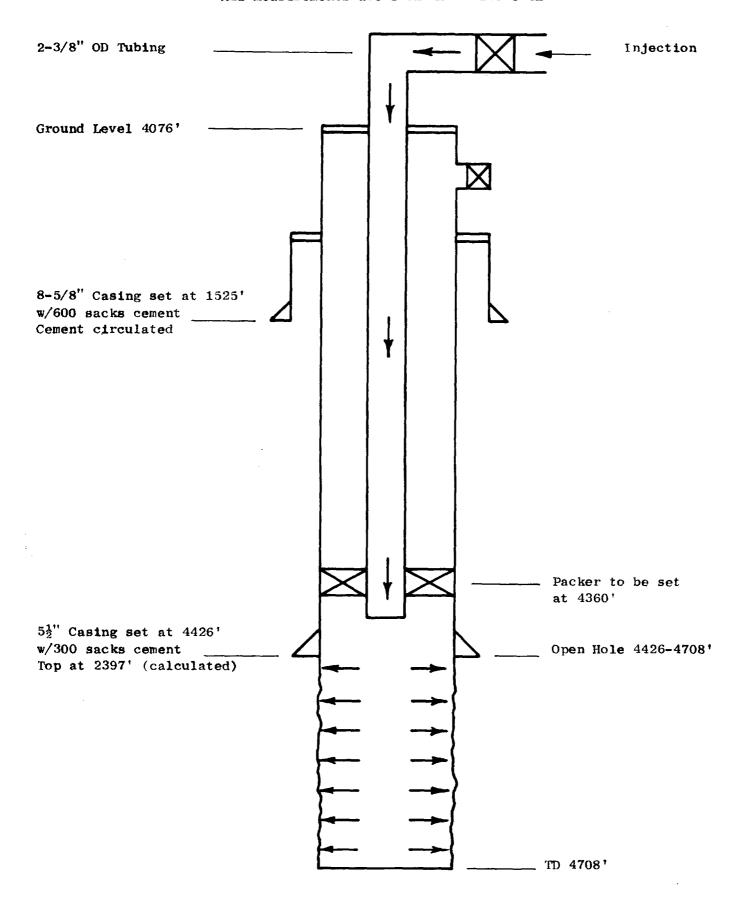
Schematic Drawing of Injection Well Unit Well No. 2 (Sohio Hale-State No. 2) 990' FNL & 330' FEL Section 31, T-17S, R-34E Lea County, New Mexico



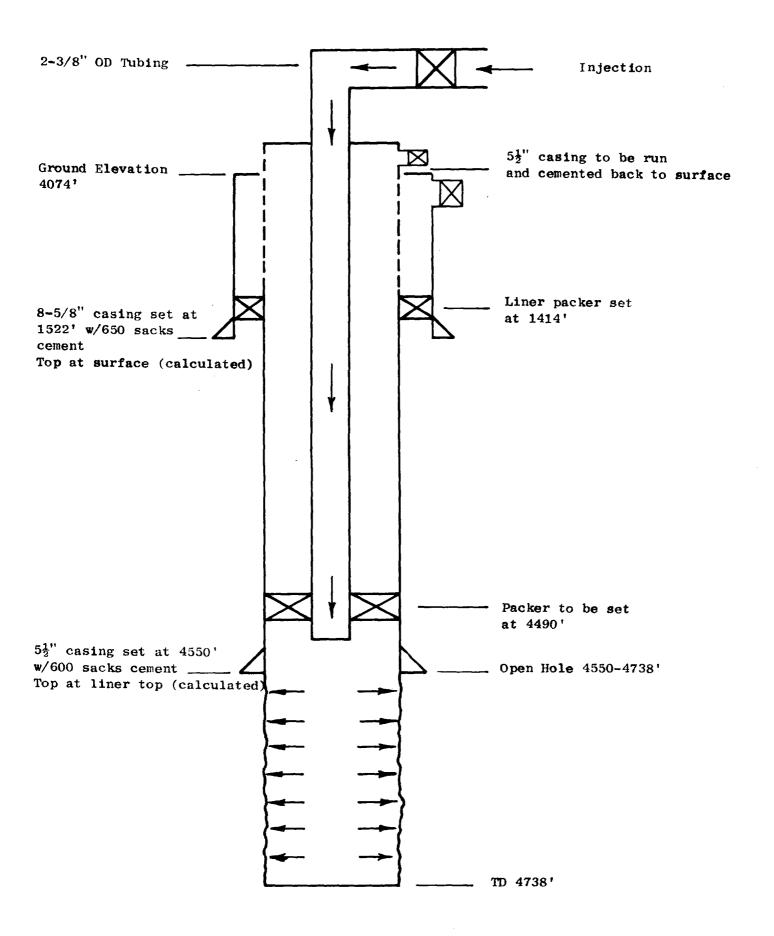
ATLANTIC RICHFIELD COMPANY

STATE VACUUM UNIT

Schematic Drawing of Injection Well Unit Well No. 4 (A.R.Co. State "B" TG No. 4) 990' FNL & 1650' FWL Section 32, T-17S R-34E Lea County, New Mexico



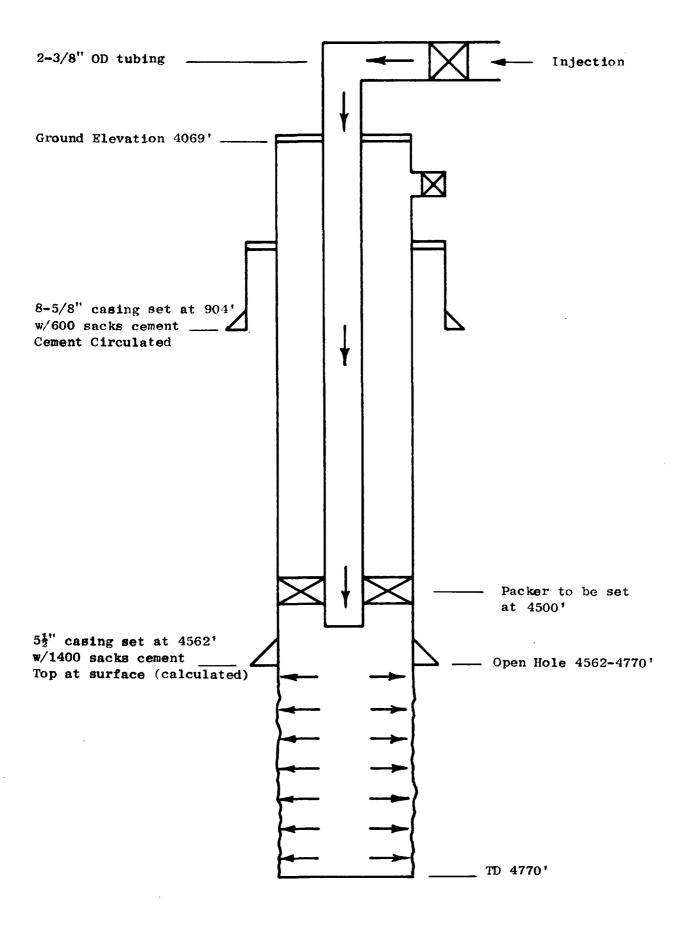
Schematic Drawing of Injection Well
Unit Well No. 7 (A.R.Co. State "B" TG No. 3)
1980' FNL & 660' FWL Section 32, T-17S, R-34E
Lea County, New Mexico



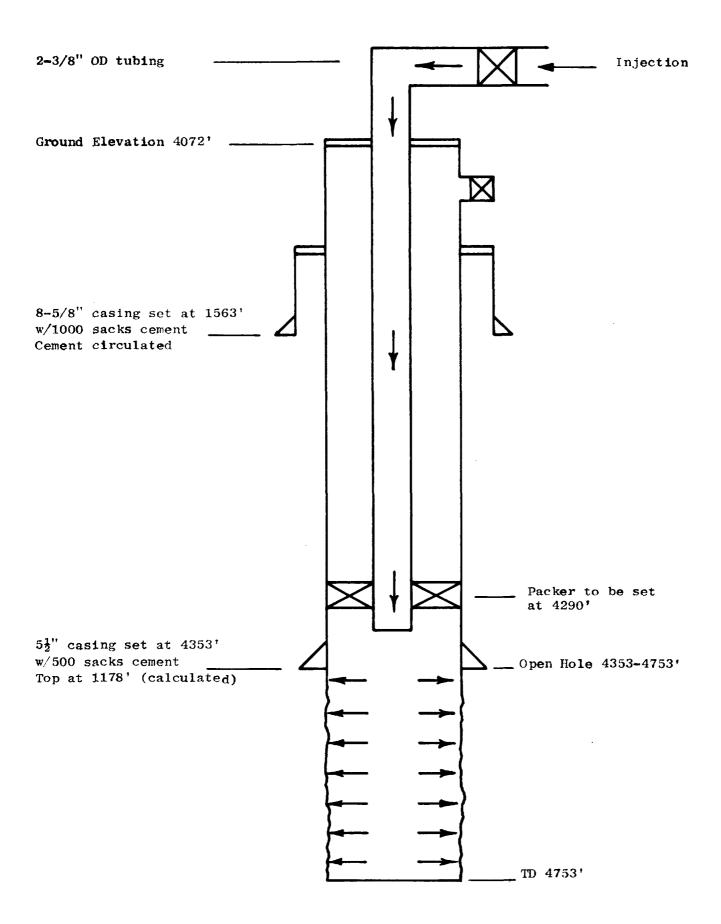
ATLANTIC RICHFIELD COMPANY

STATE VACUUM UNIT

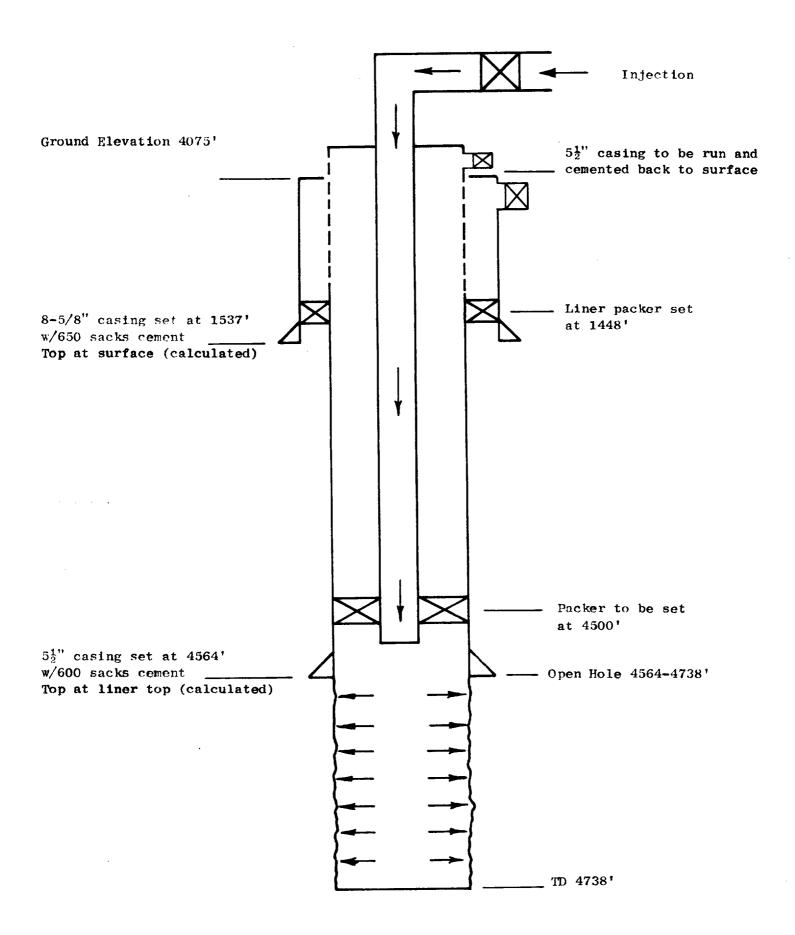
Schematic Drawing of Injection Well
Unit Well No. 9 (Texaco New Mexico "D" State NCT-2 No. 3)
1980' FNL & 1980' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



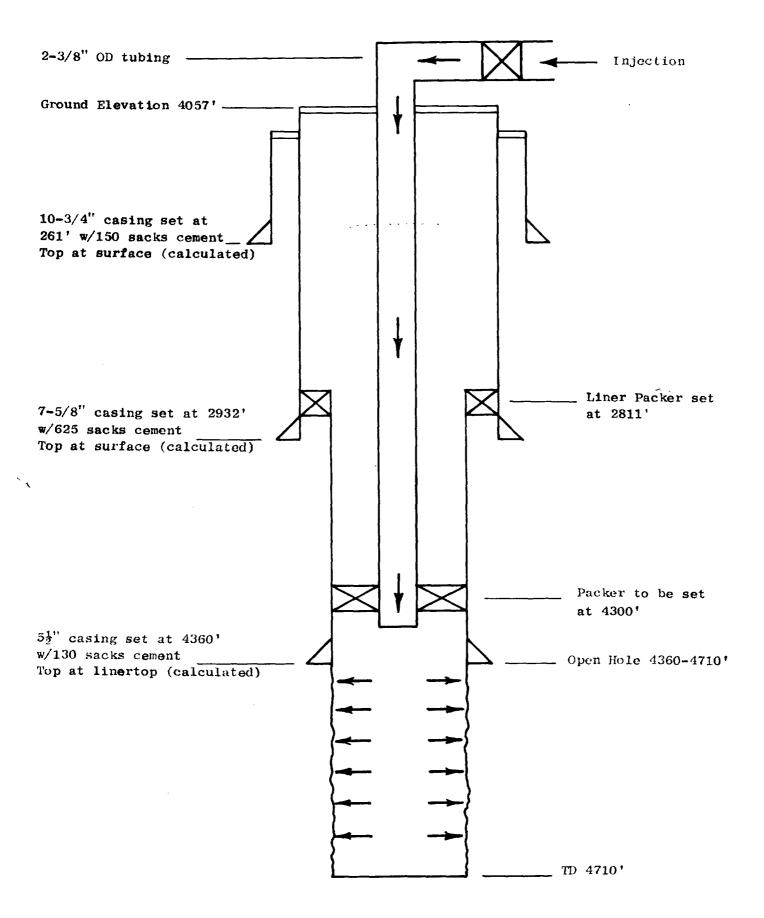
Schematic Drawing of Injection Well
Unit Well No. 11 (Texaco New Mexico "AO" State No. 1)
2310' FSL & 330' FEL Section 31, T-17S, R-34E
Lea County, New Mexico



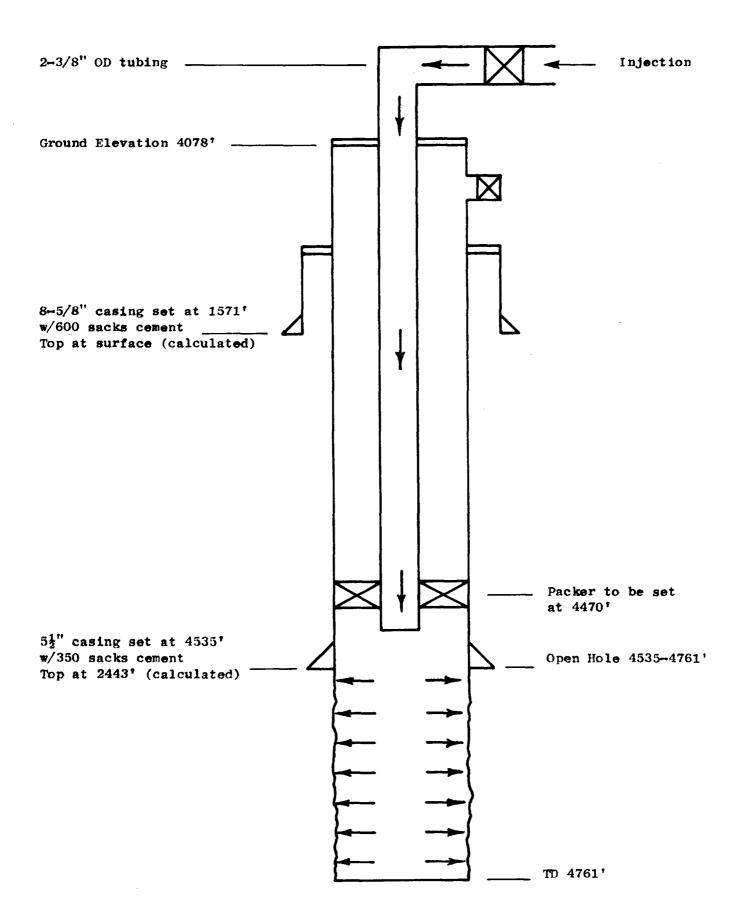
Schematic Drawing of Injection Well
Unit Well No. 13 (A.R.Co. State "C" TG No. 3)
1980' FSL & 1980' FWL Section 32, T-17S, R-34E
Lea County, New Mexico



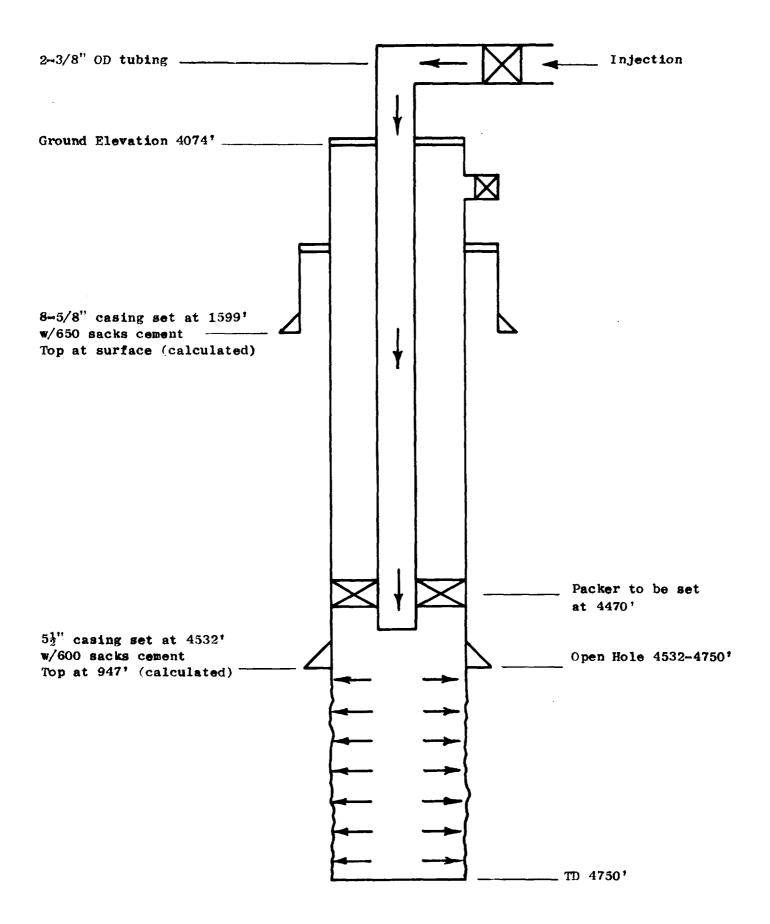
Schematic Drawing of Injection Well
Unit Well No. 15 (A.R.Co. State "C" TG No. 1)
1980' FSL & 660' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



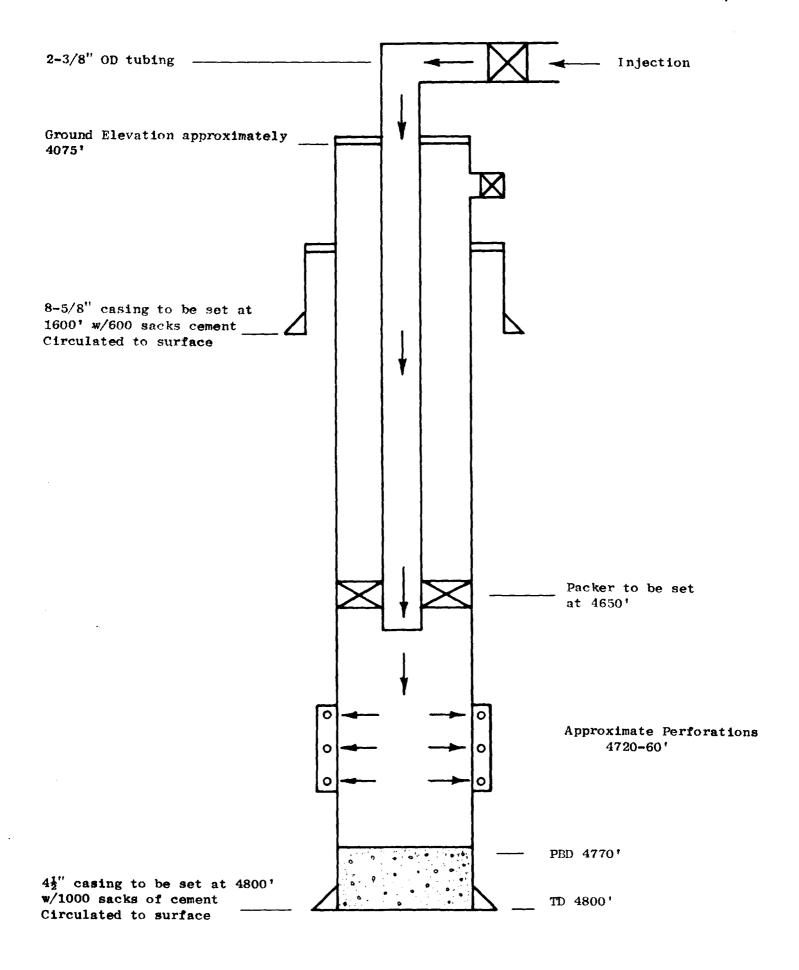
Schematic Drawing of Injection Well
Unit Well No. 17 (A.R.Co. State "C" TG No. 8)
990° FSL & 990° FWL Section 32, T-17S, R-34E
Lea County, New Mexico



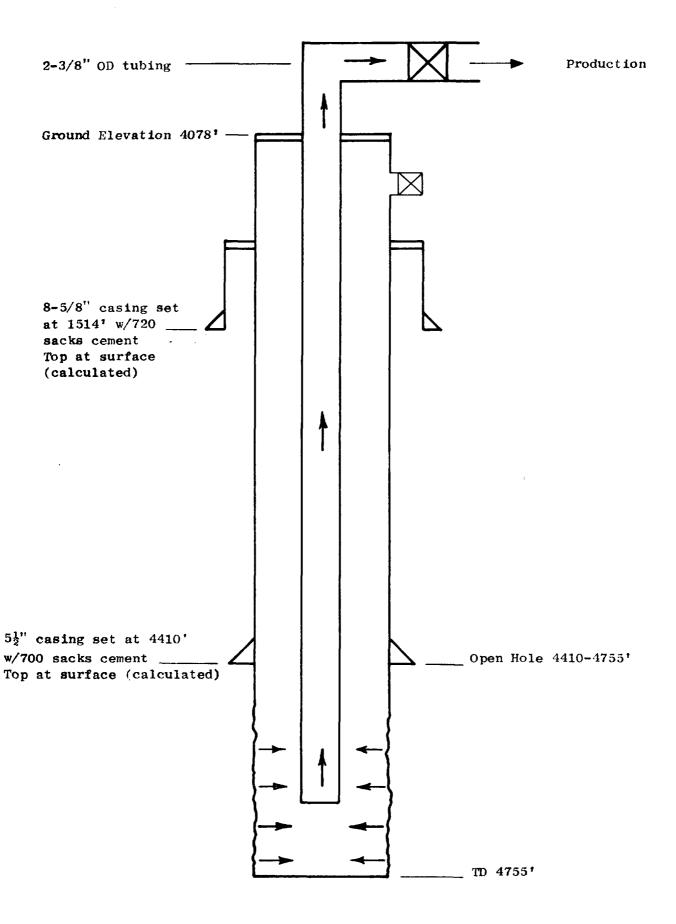
Schematic Drawing of Injection Well
Unit Well No. 19 (A.R.Co. State "C" TG No. 5)
990' FSL & 1650' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



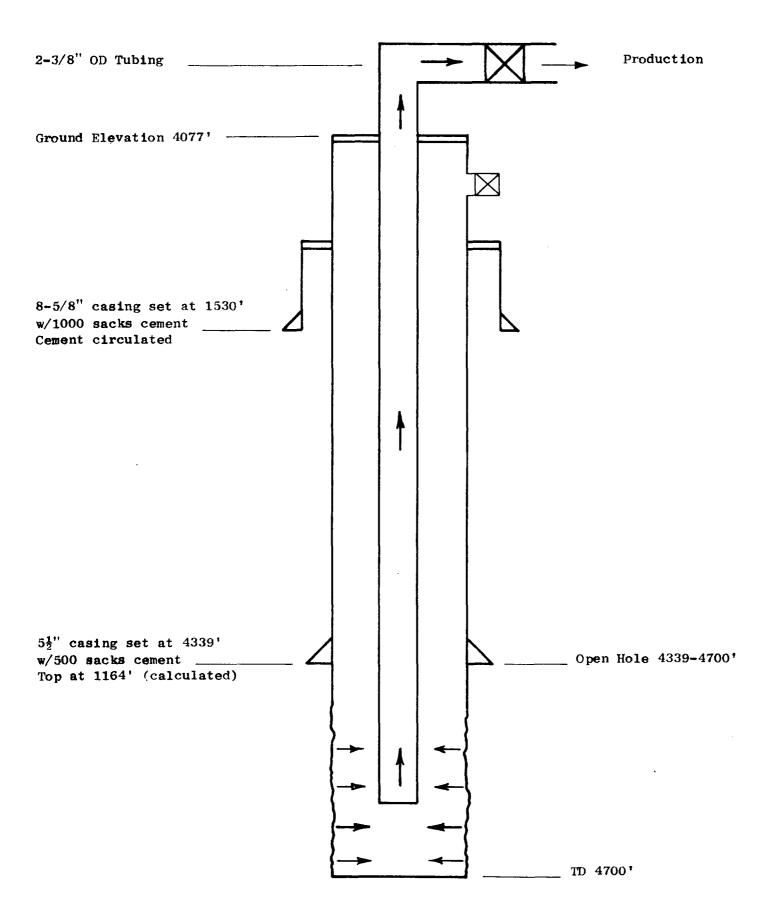
Schematic Drawing of Injection Well
To be drilled approximately 330' FSL & 2310' FWL Section 32, T-17S, R-34E Lea County, New Mexico



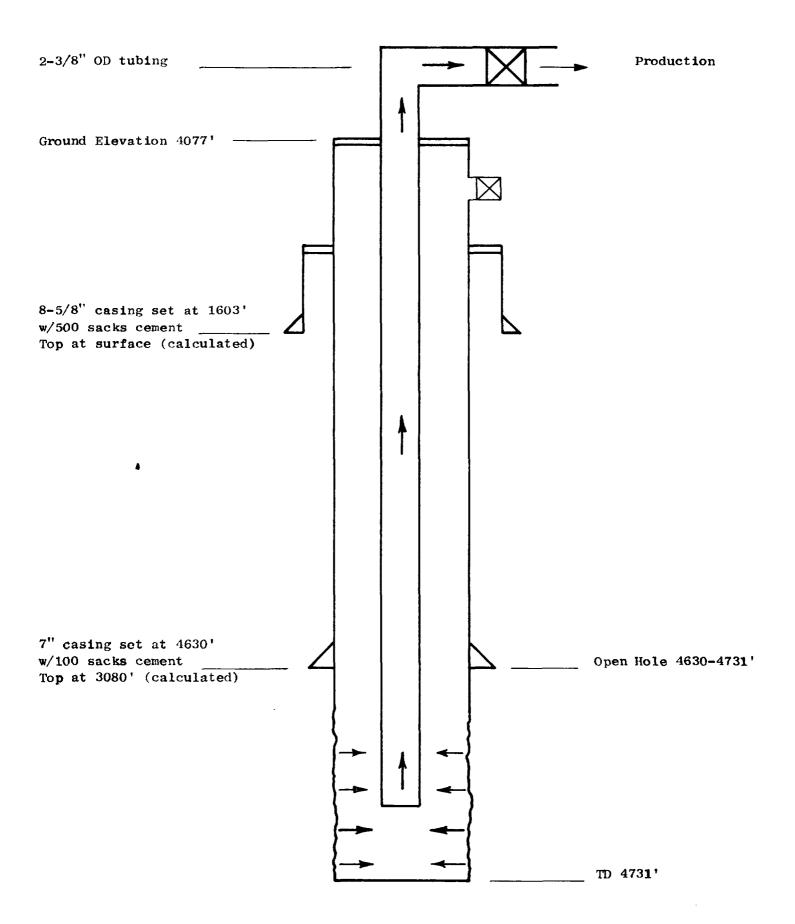
Schematic Drawing of Producing Well
Unit Well No. 3 (A.R.Co. State "B" TG No. 1)
660' FNL & 660' FWL Section 32, T-17S, R-34E
Lea County, New Mexico



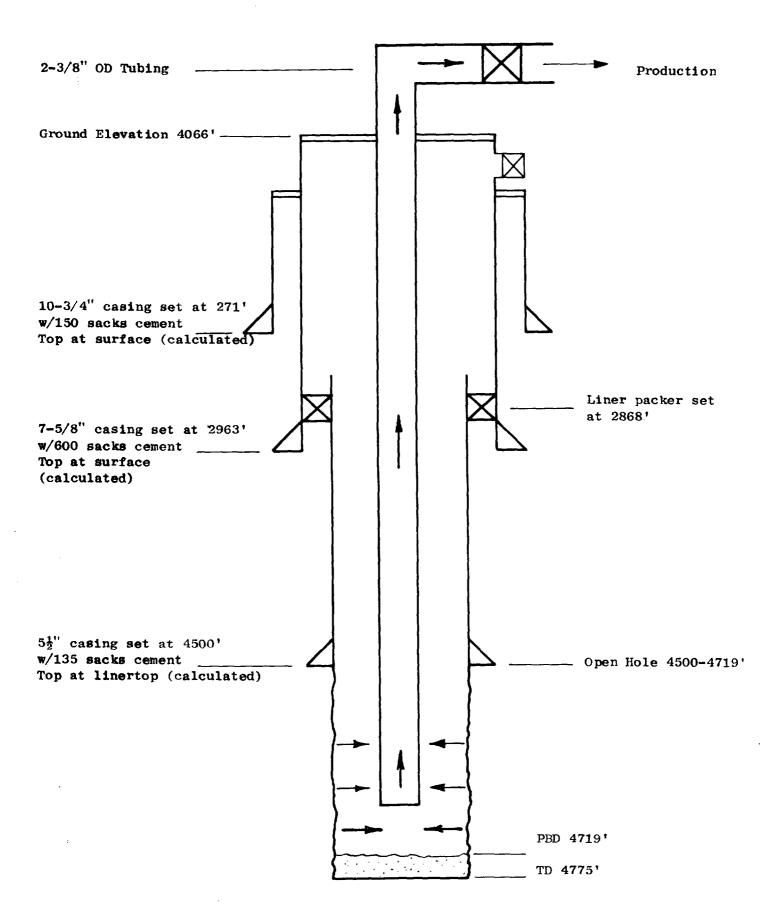
Schematic Drawing of Producing Well
Unit Well No. 5 (Texaco New Mexico "D" State NCT-2 No. 4)
990' FNL & 2310' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



Schematic Drawing of Producing Well Unit Well No. 6 (Sohio Hale State No. 1) 2310' FNL & 330' FEL Section 31, T-17S, R-34E Lea County, New Mexico

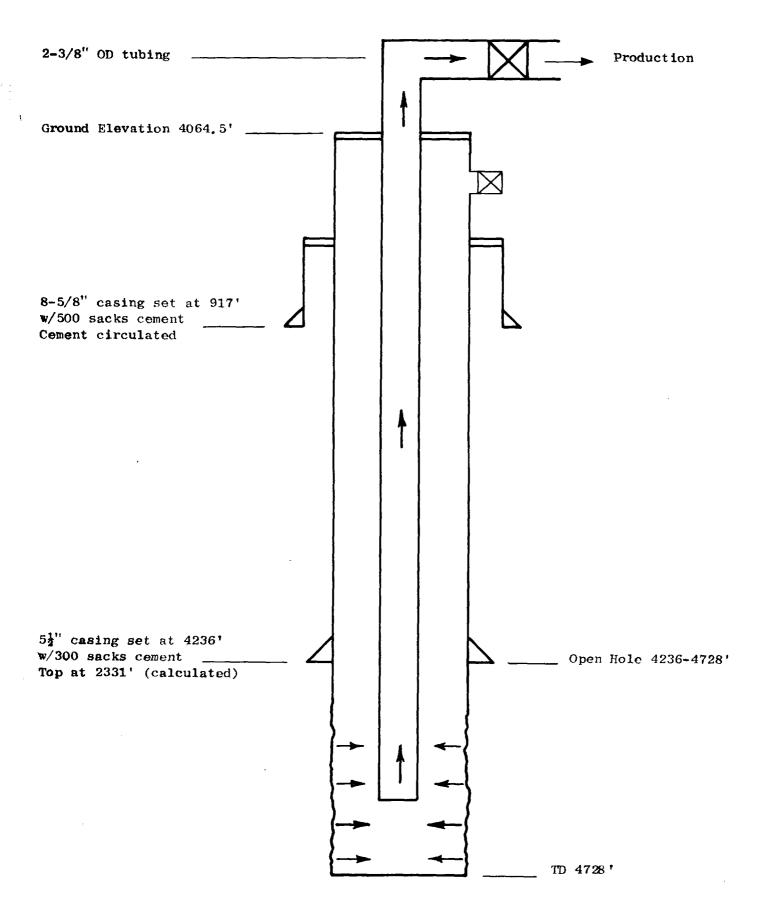


Schematic Drawing of Producing Well
Unit Well No. 8 (A.R.Co. State "B" TG No. 2)
1980' FNL & 1980' FWL Section 32, T-17S, R-34E
Lea County, New Mexico

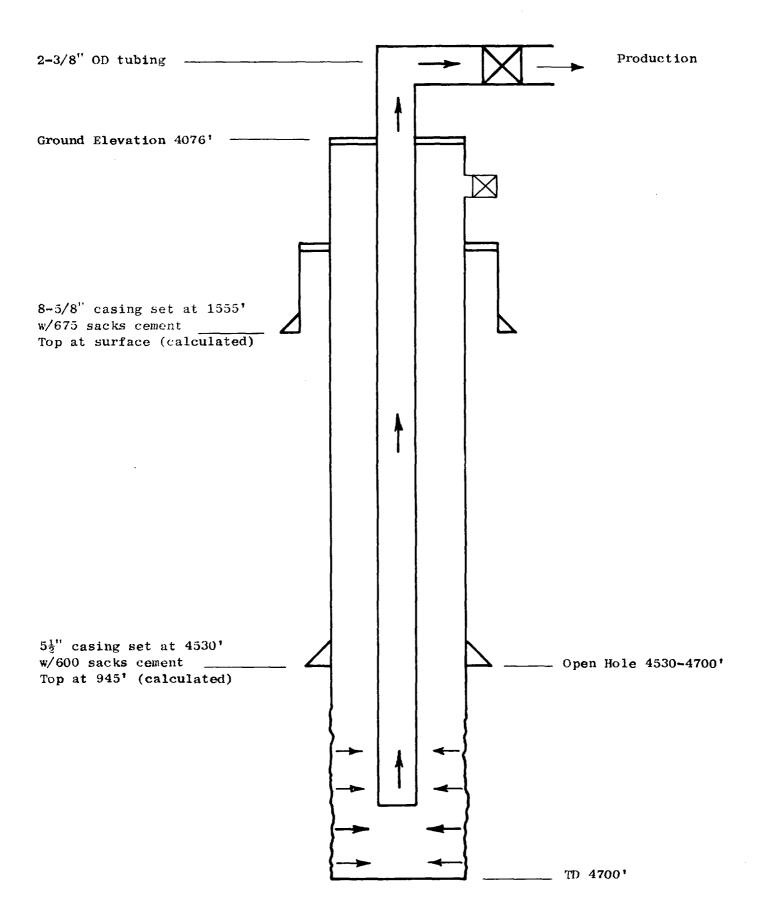


Schematic Drawing of Producing Well

Unit Well No. 10 (Texaco New Mexico 'D' State NCT-2 No. 1)
1980' FNL & 660' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



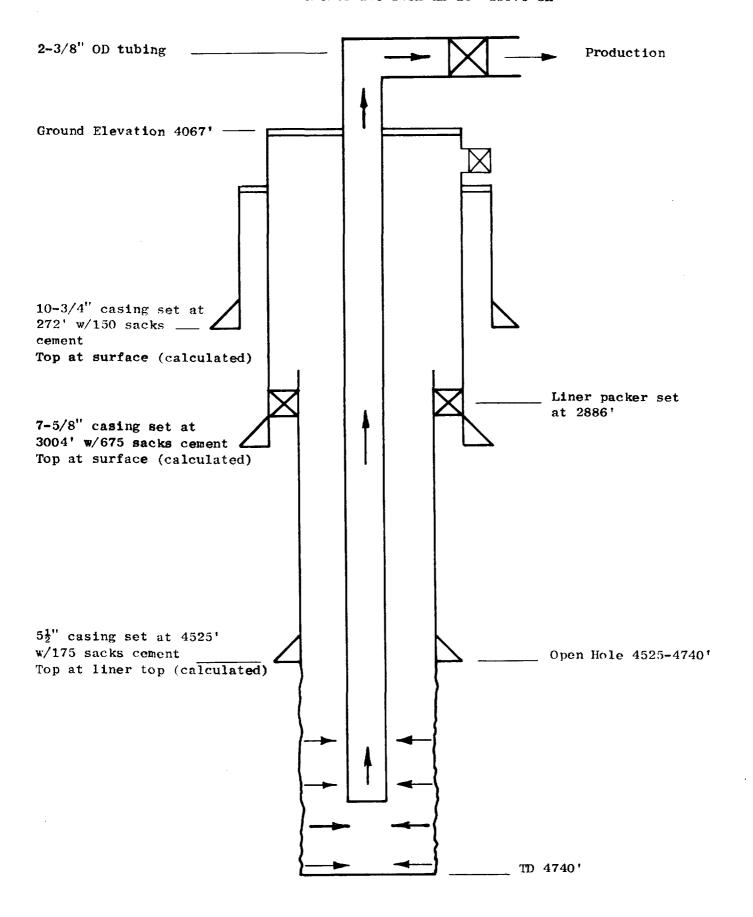
Schematic Drawing of Producing Well
Unit Well No. 12 (A.R.Co. State "C" TG No. 6)
990' FWL & 2310' FSL Section 32, T-17S, R-34E
Lea County, New Mexico



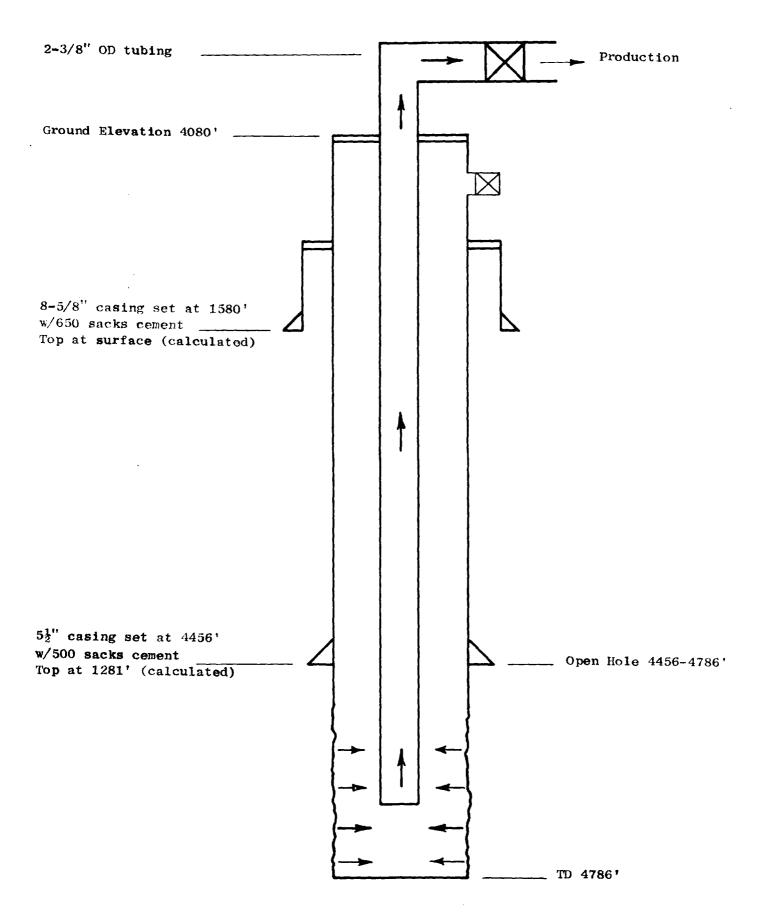
ATIANTIC RICHFIELD COMPANY

STATE VACUUM UNIT

Schematic Diagram of Producing Well
Unit Well No. 14 (A.R.Co. State "C" TG No. 2)
1980' FSL & 1980' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



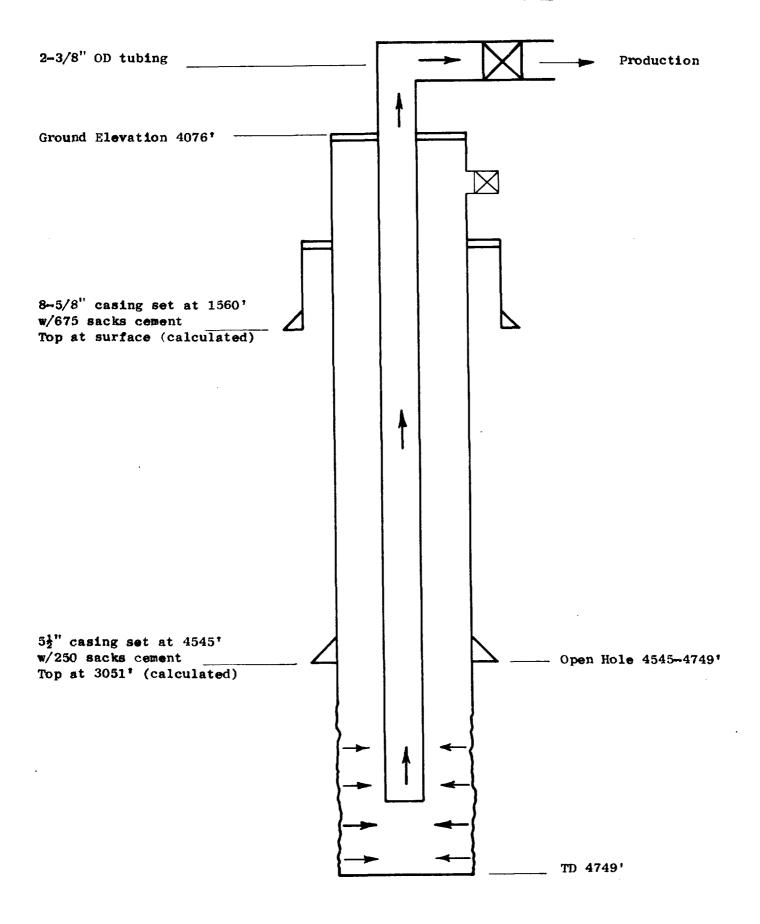
Schematic Drawing of Producing Well
Unit Well No. 16 (Texaco New Mexico "AO" State No. 2)
990' FSL & 330' FEL Section 31, T-17S, R-34E
Lea County, New Mexico



ATLANTIC RICHFIELD COMPANY

STATE VACUUM UNIT

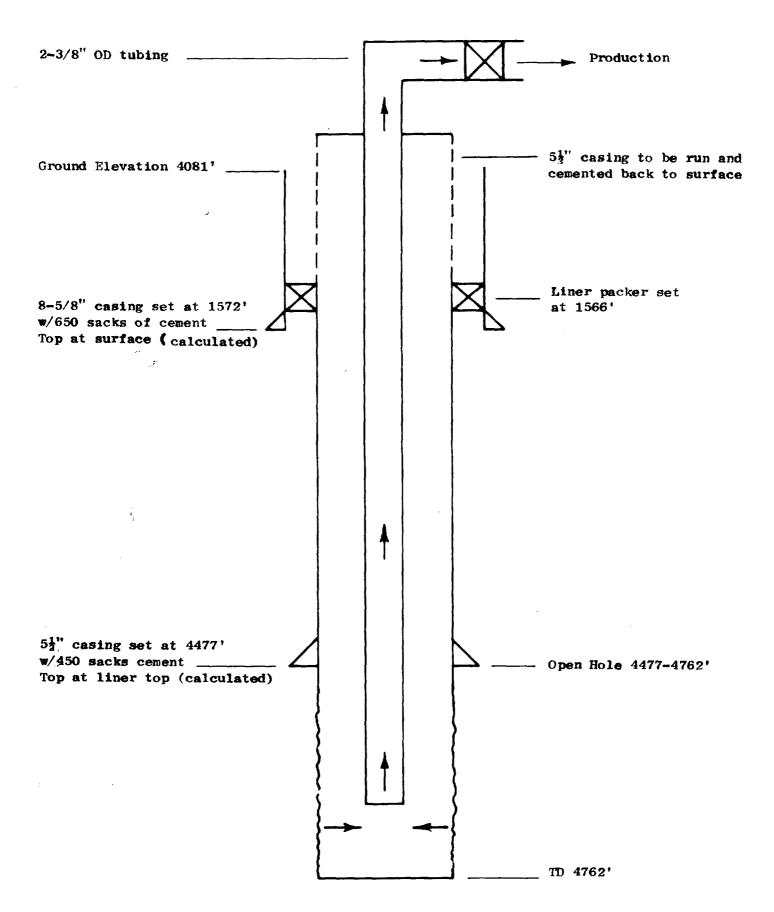
Schematic Drawing of Producing Well
Unit Well No. 18 (A.R.Co. State "C" TG No. 7)
990' FSL & 2310' FWL Section 32, T-17S, R-34E
Lea County, New Mexico



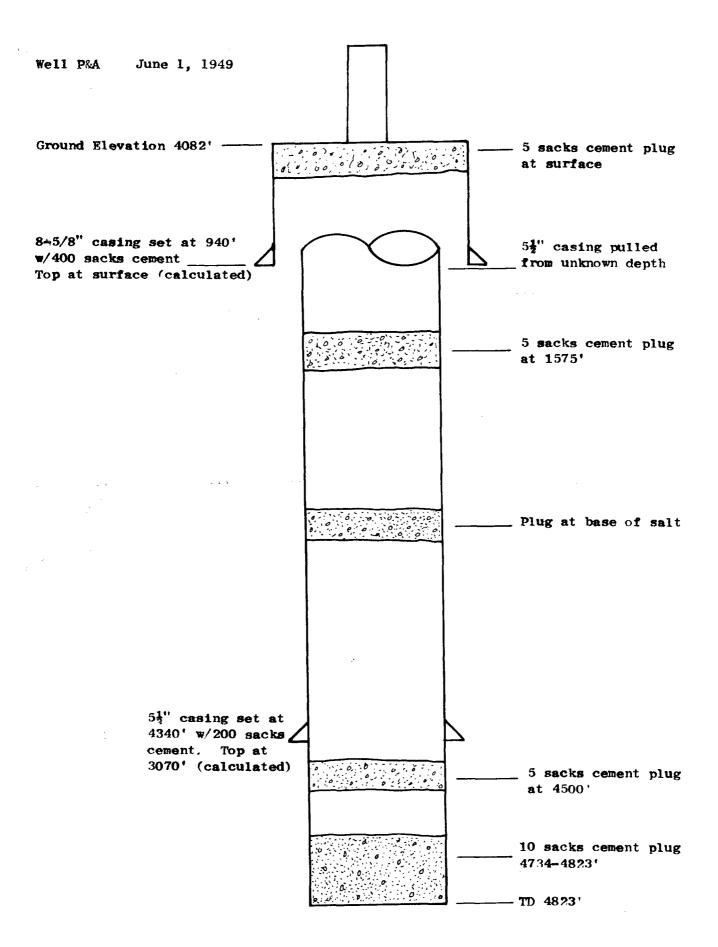
ATLANTIC RICHFIELD COMPANY

STATE VACUUM UNIT

Schematic Drawing of Producing Well
Unit Well No. 20 (A.R.Co. State "C" TG No. 4)
660' FSL & 660' FEL Section 32, T-17S, R-34E
Lea County, New Mexico



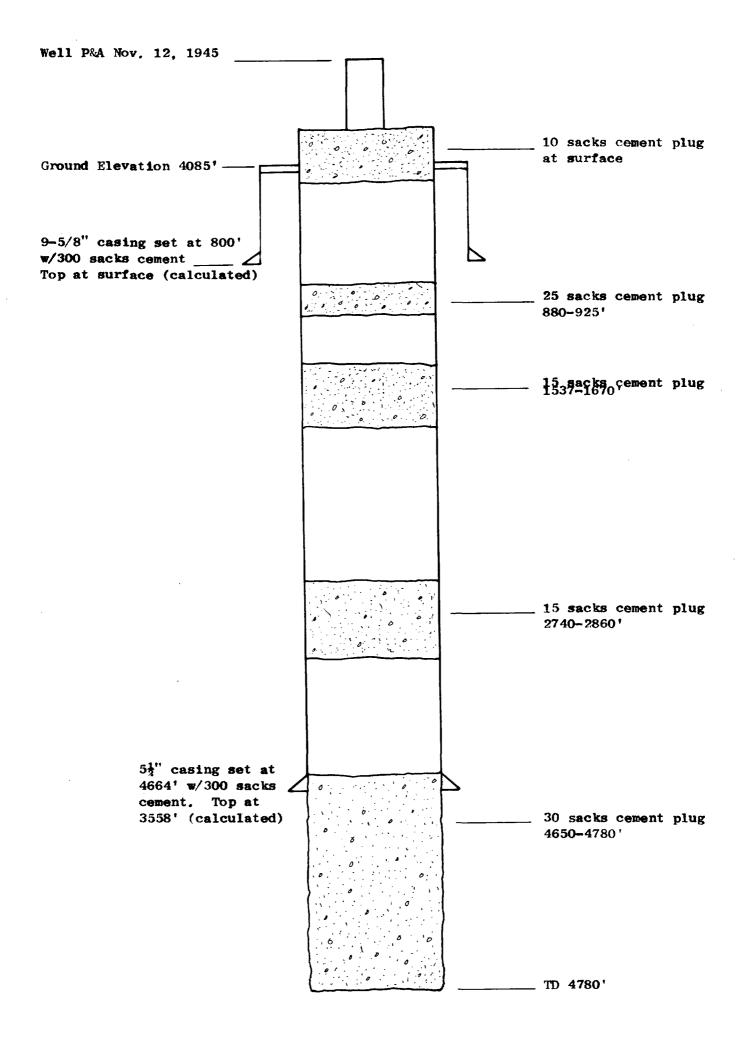
COHE-DARDEN OIL COMPANY HALE STATE NO. 1 Schematic Drawing of Plugged and Abandoned Well 660' FNL & 660' FEL Section 31, T-17S, R-34E Lea County, New Mexico



DEVONIAN OIL COMPANY STATE NO. 1

Schematic Drawing of Plugged and Abandoned Well 660' FSL & 1980' FWL Section 32, T-17S, R-34E Lea County, New Mexico

All measurements are from KB 8' (est) above GL



TEXACO - WEST VACUUM UNIT NO. 4
(BTA - Am. State #3)
Unit K 1980' FS & WL
Section 28, T-17S, R-34E
Lea County, New Mexico

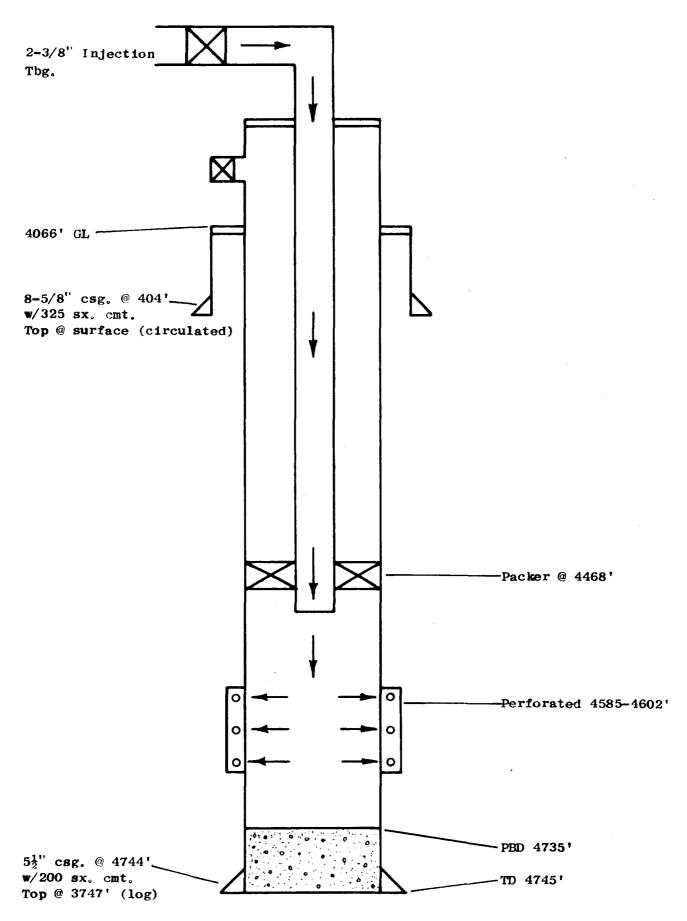


EXHIBIT NO. 29

TEXACO - WEST VACUUM UNIT NO. 3

(BTA Oil Producers - Amstate No. 2) Unit L 1980' FSL & 660' FWL Section 28, T-17S, R-34E Lea County, New Mexico

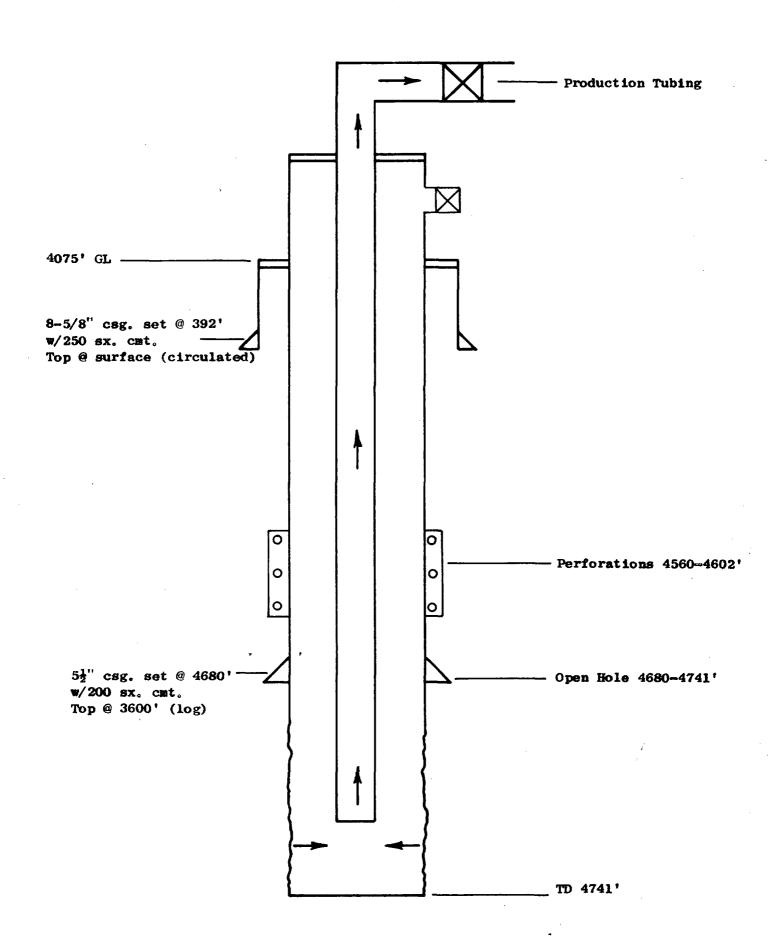
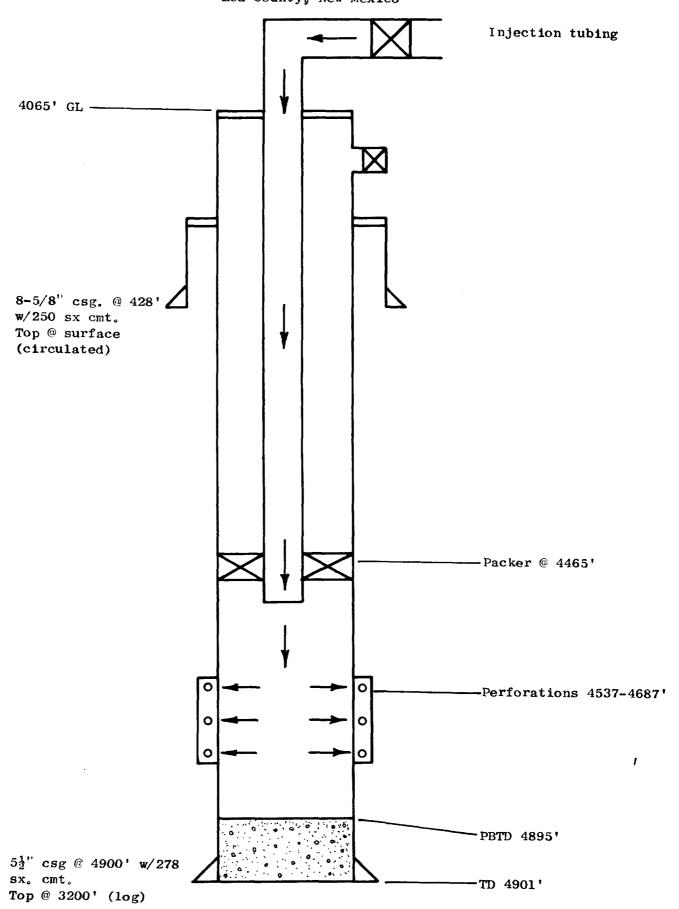


EXHIBIT NO. 30

TEXACO - WEST VACUUM UNIT NO. 5
WIW

(BTA Oil Producers - Amstate #1)
Unit M 660' FS & WL
Section 28, T-17S, R-34E
Lea County, New Mexico



L. F. OIL COMPANY - AMERADA-STATE #1
Unit N 330' FSL & 2308' FWL
Section 28, T-17S, R-34E
Lea County, New Mexico

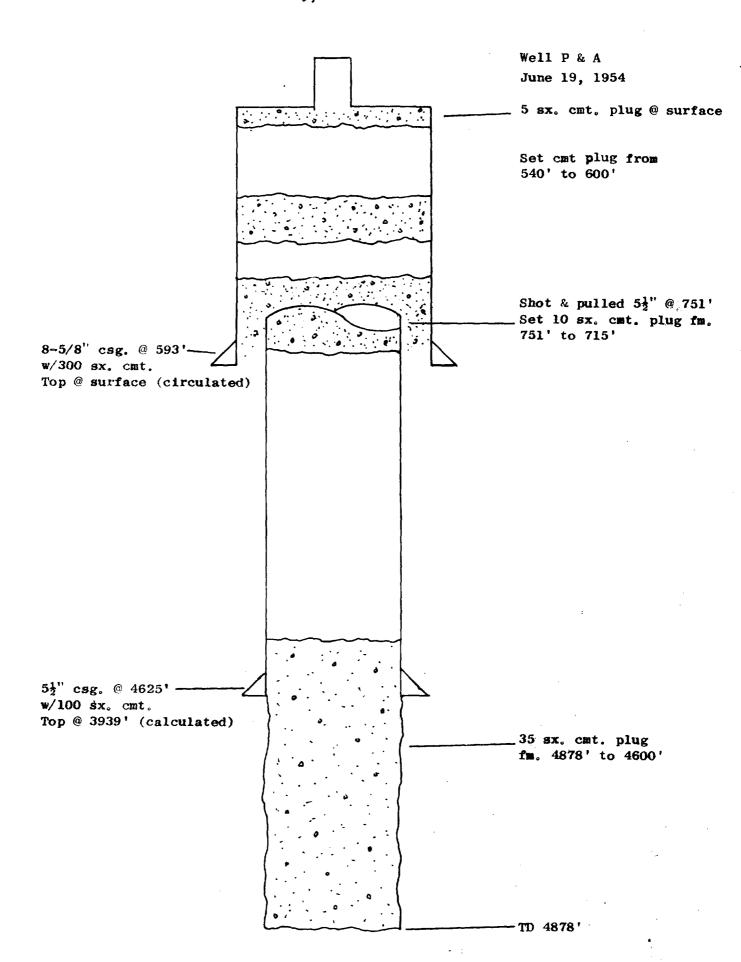


EXHIBIT NO. 32

PHILLIPS - LEA NO. 14 Unit F 1980' FWL & 1880' FNL Section 29, T-17S, R-34E Lea County, New Mexico

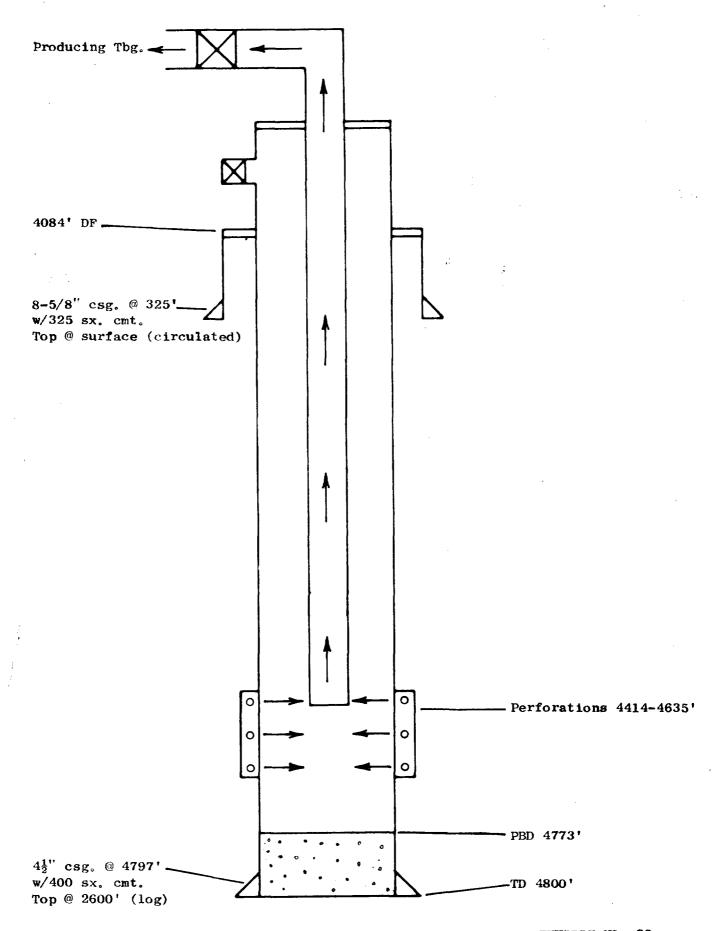


EXHIBIT NO. 33

PHILLIPS - LEA NO. 13 Unit G 1980' FNL & 1650' FEL Section 29, T-17\$, R-34E Lea County, New Mexico

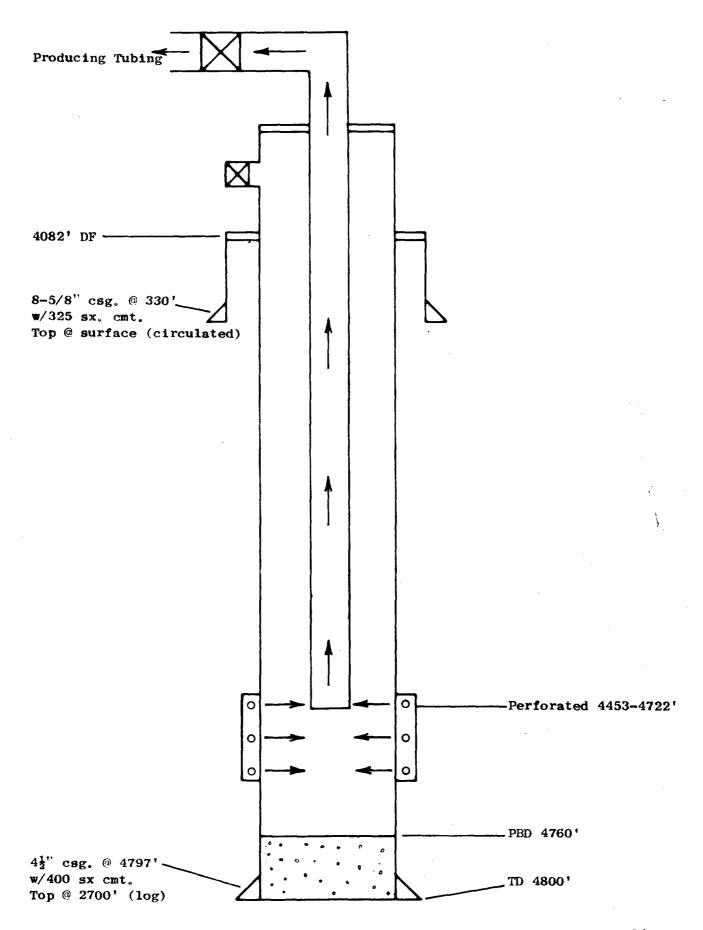
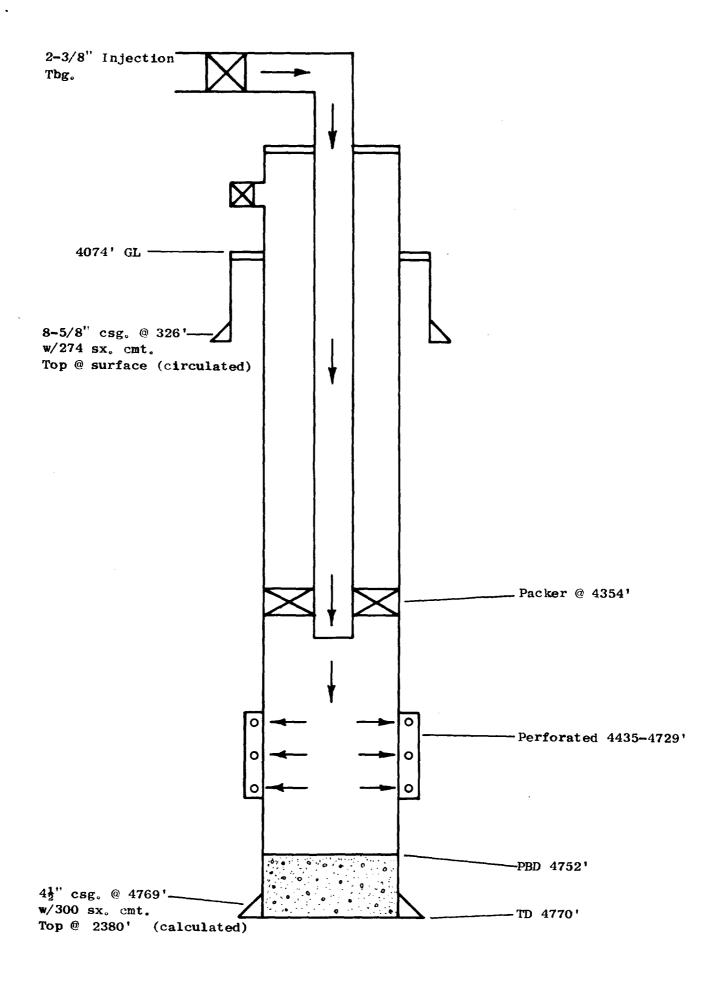
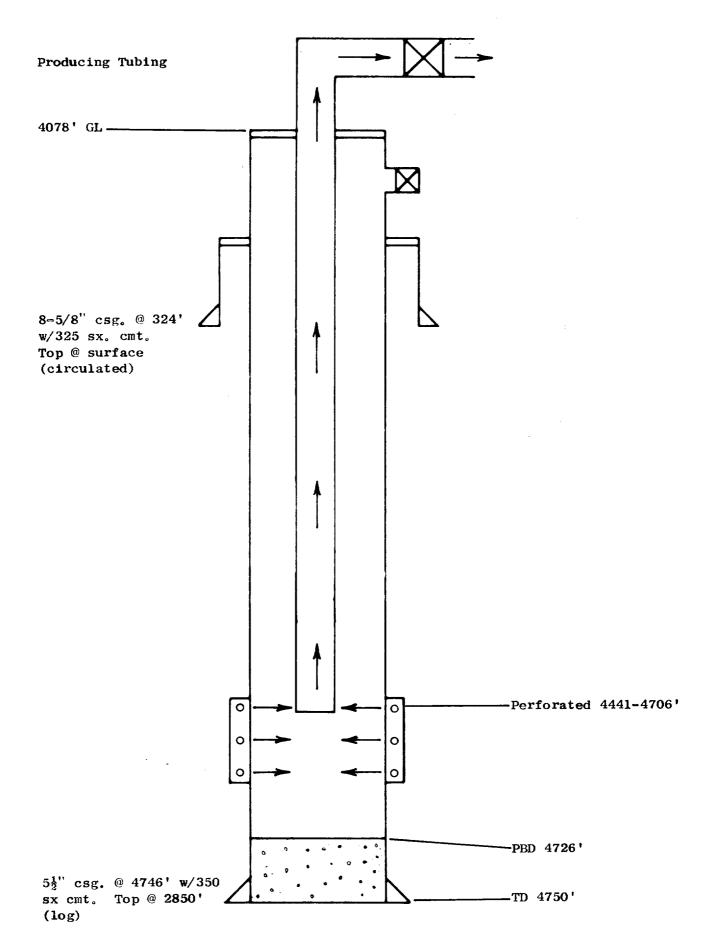


EXHIBIT NO. 34

PHILLIPS - LEA NO. 4 Unit I 660' FEL & 1980' FSL Section 29, T-17S, R-34E Lea County, New Mexico



PHILLIPS PETROLEUM CO. - LEA NO. 11 Unit K 1980' FS & WL Section 29, T-17S, R-34E Lea County, New Mexico



SOHIO - PHILLIPS LEA NO. 6 Unit K 2310' FS & WL Section 31, T-17S, R-34E Lea County, New Mexico

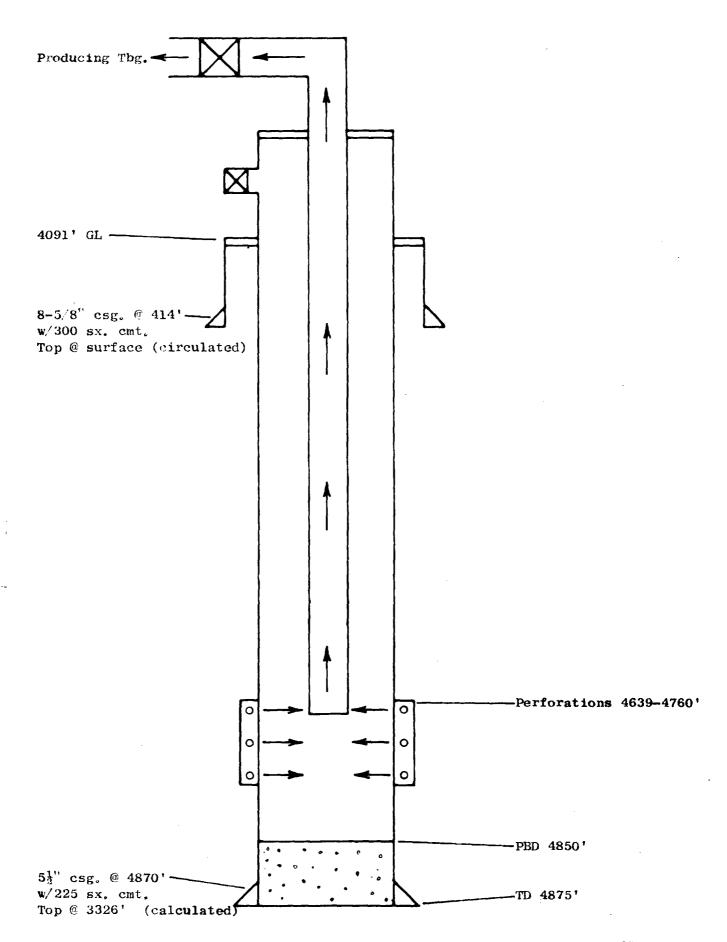
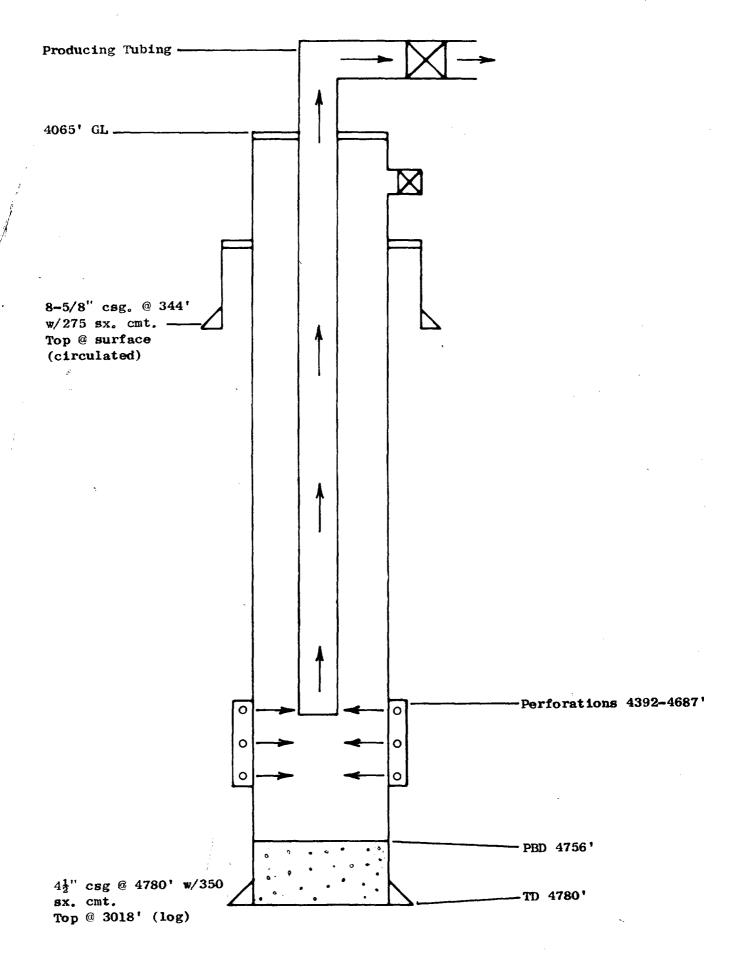
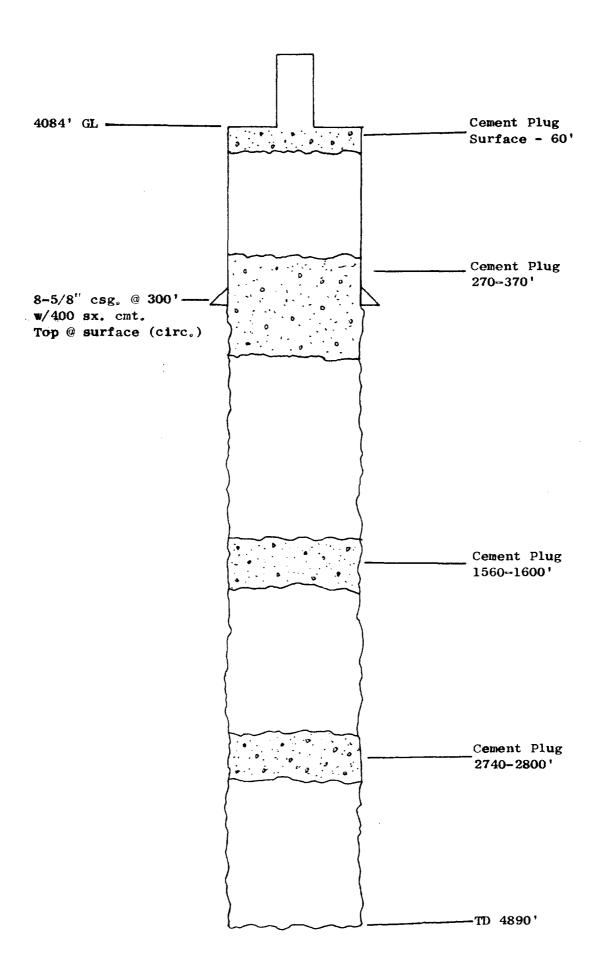


EXHIBIT NO. 37

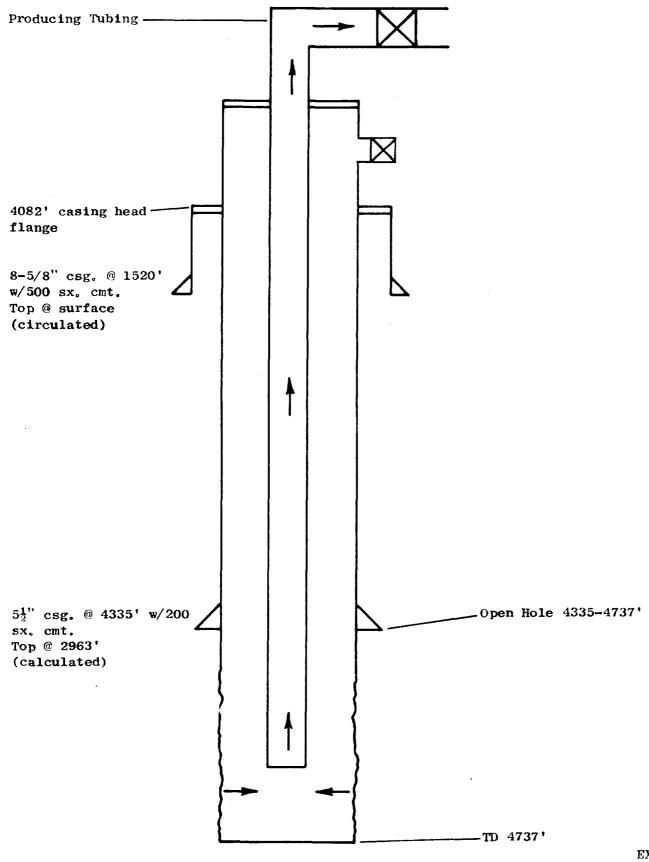
PHILLIPS PETROLEUM CO. - LEA NO. 5 Unit P 660' FS & EL Section 29, T-17S, R-34E Lea County, New Mexico



COLE-DARDEN OIL COMPANY - PHILLIPS STATE A NO. 5 Unit H 1980' FNL & 660' FEL Section 30, T-17S, R-34E Lea County, New Mexico



PHILLIPS PETROLEUM COMPANY - LEA NO. 19
(Cole - Darden Phillips State #2)
Unit I 660' FEL & 1980' FSL
Section 30, T-17S, R-34E
Lea County, New Mexico



PHILLIPS - LEA NO. 12 Unit J 1980' FS & EL Section 29, T-17S, R-34E Lea County, New Mexico

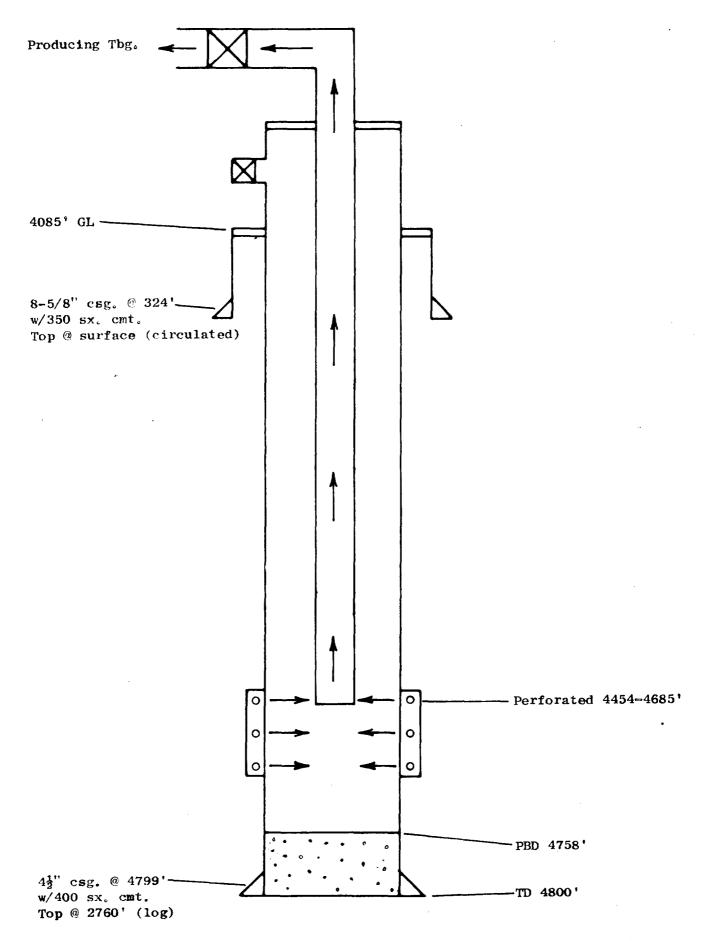
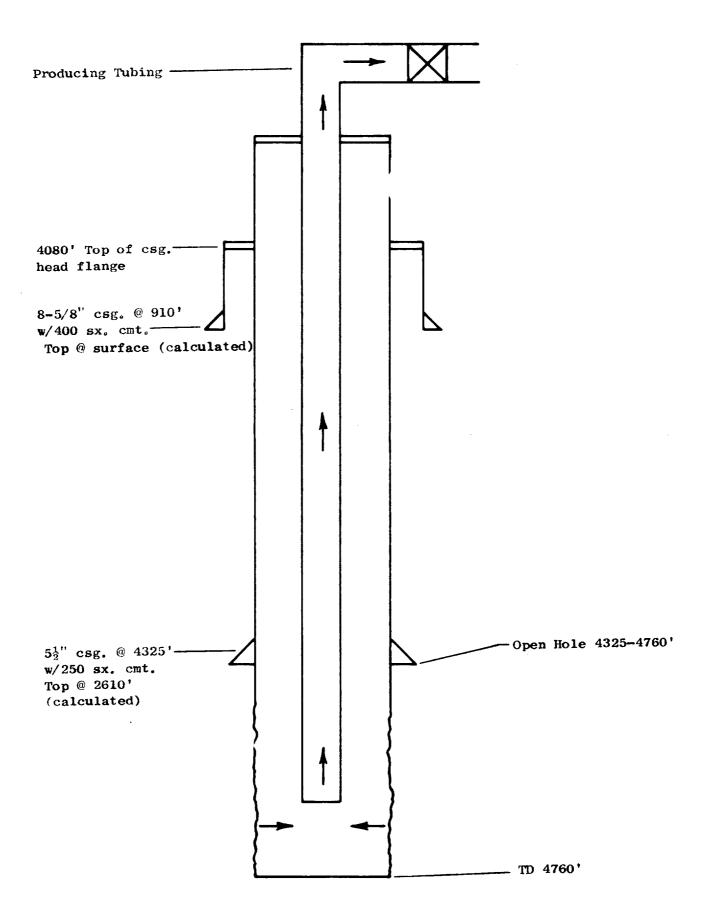
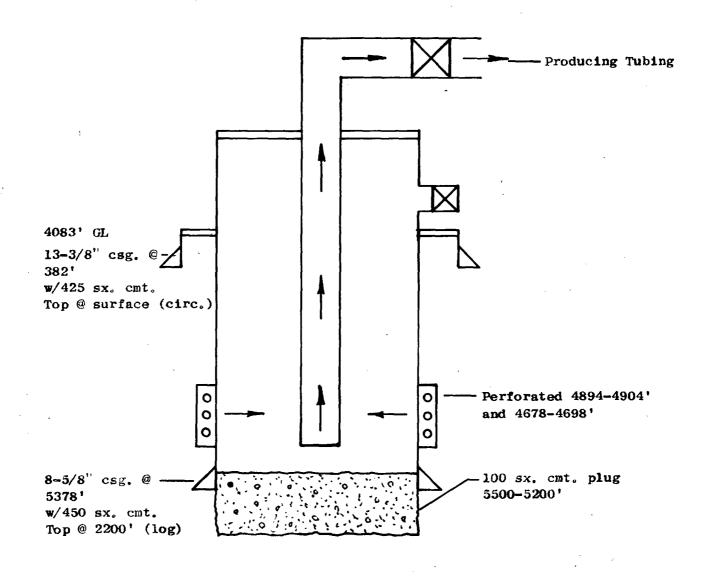


EXHIBIT NO. 41

(Cole - Darden Phillips State #1)
Unit P 660' FS & EL
Section 30, T-17S, R-34E
Lea County, New Mexico



PHILLIPS NO. 23 Unit P 810' FEL & 510' FSL Section 30, T-17S, R-34E Lea County, New Mexico



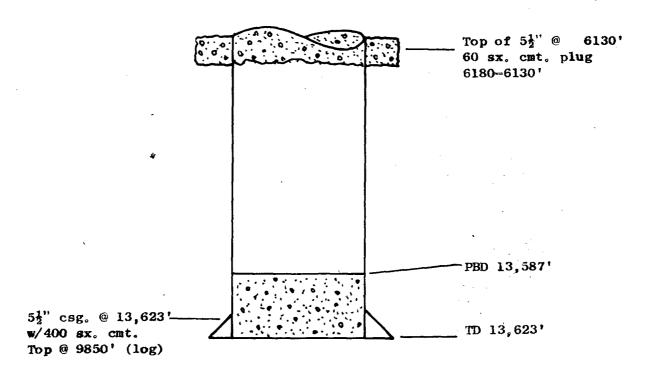


EXHIBIT NO. 43

PHILLIPS - LEA NO. 20
(Cole Darden Oil Company - Phillips State #3)
Unit O 660' FSL & 1980' FEL
Section 30, T-17S, R-34E
Lea County, New Mexico

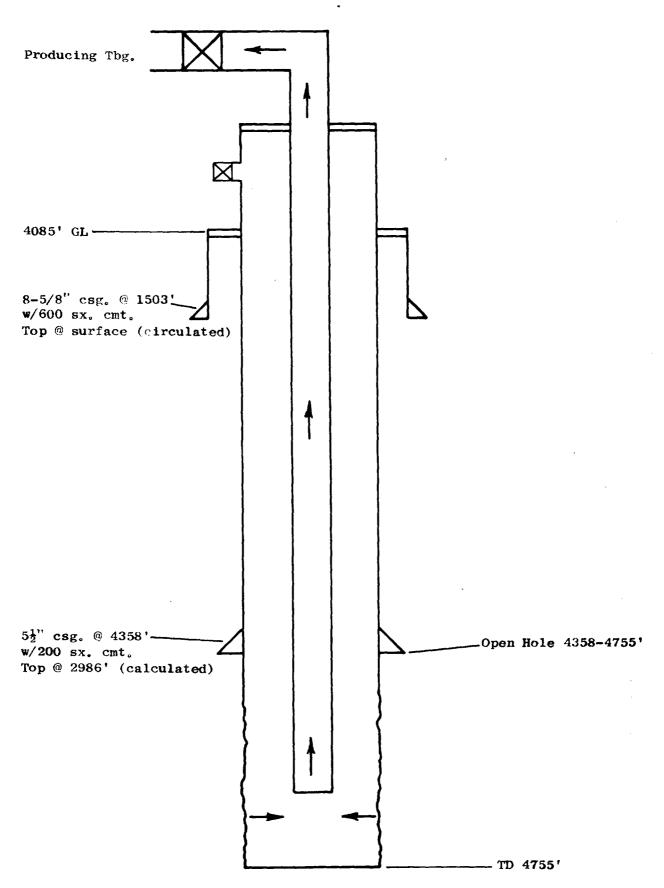
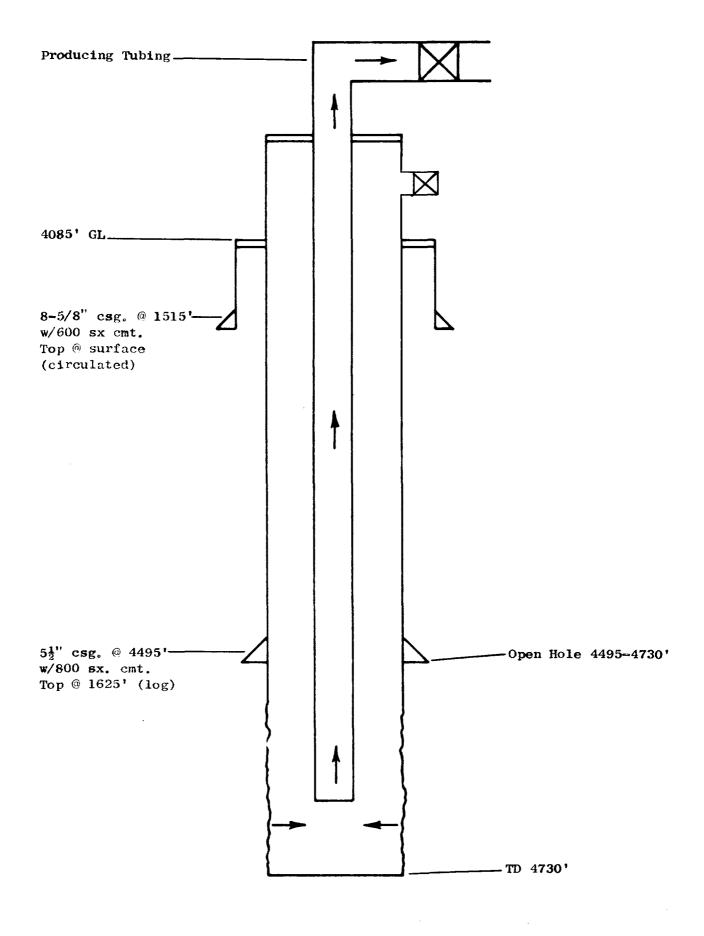


EXHIBIT NO. 44

PHILLIPS PETROLEUM COMPANY - LEA NO. 3 Unit B 660' FNL & 1980' FEL Section 31, T-17S, R-34E Lea County, New Mexico



SOHIO - PHILLIPS LEA NO. 7 Unit C 1980' FWL & 990' FNL Section 31, T-17S, R-34E Lea County, New Mexico

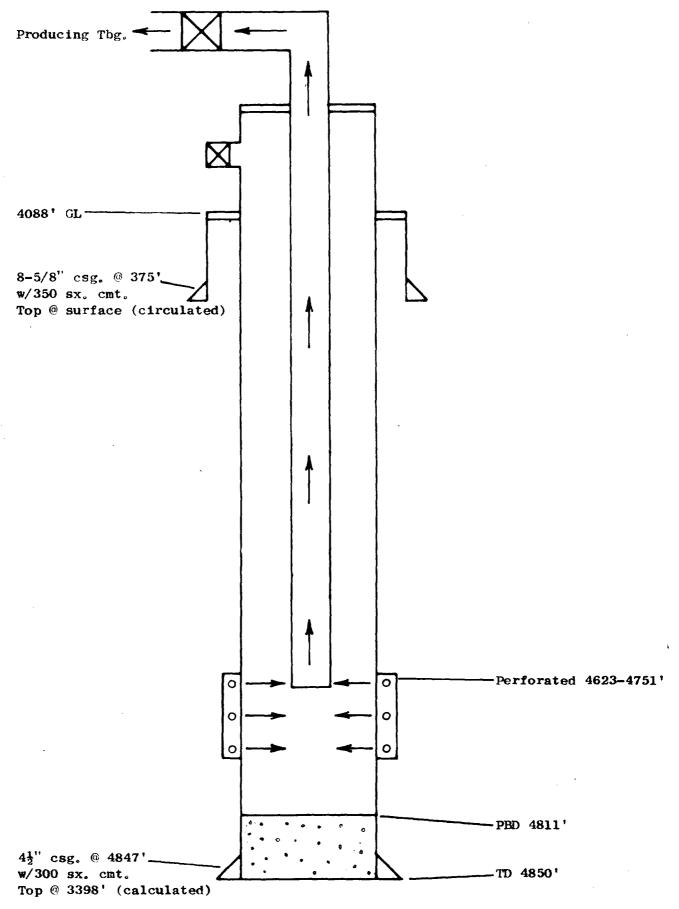
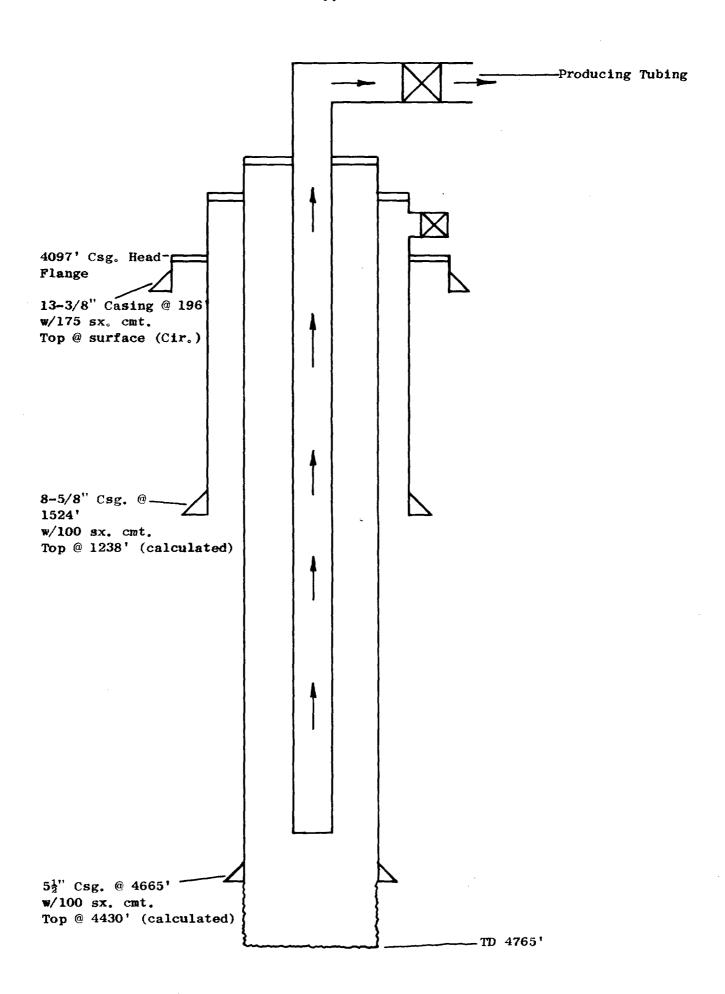
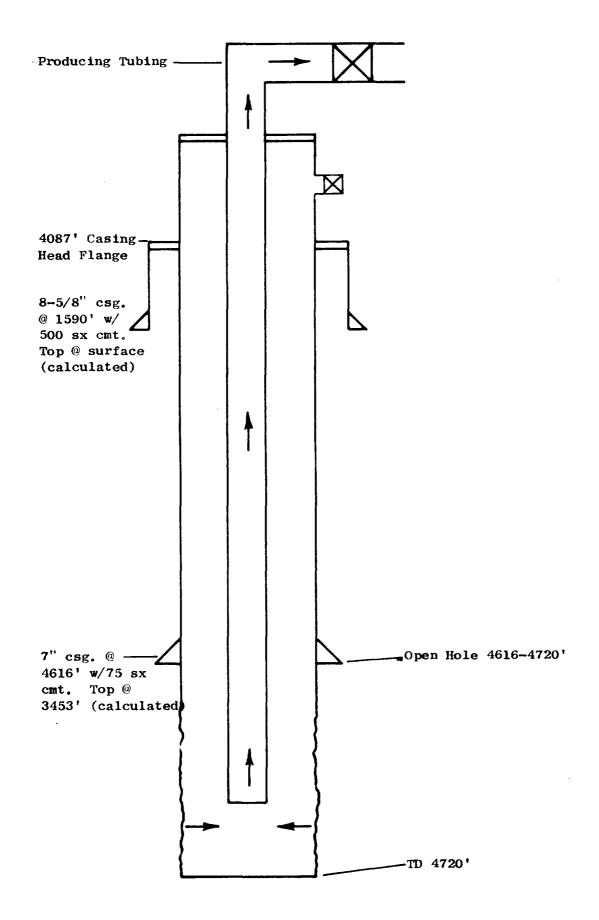


EXHIBIT NO. 46

SOHIO - PHILLIPS LEA NO. 1 (Penrose - Phillips Lea #1) Unit F 1780' FNL & 1980' FWL Section 31, T-17S, R-34E Lea County, New Mexico

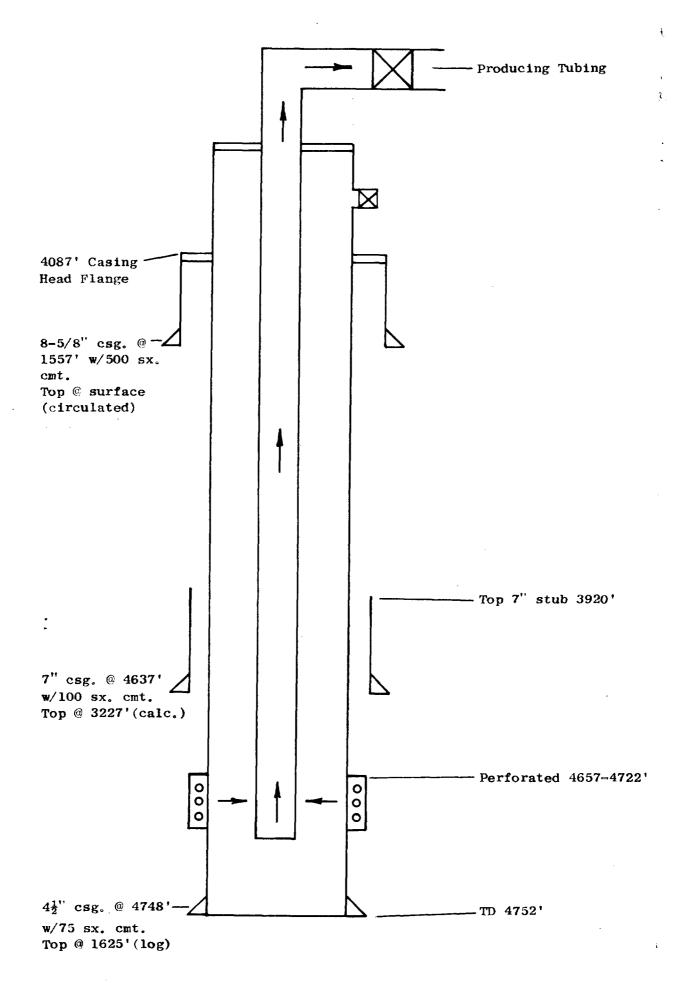


SOHIO PETROLEUM CO. - PHILLIPS LEA NO. 2
(N. G. Penrose)
Unit G 2310' FNL & 1650' FEL
Section 31, T-17S, R-34E
Lea County, New Mexico



SOHIO PETROLEUM COMPANY - PHILLIPS LEA NO. 3

(N. G. Penrose)
Unit J 2310' FSL & 1650' FEL
Section 31, T-17S, R-34E
Lea County, New Mexico



Well P & A May 10, 1957 and 3920' of 7" pulled. Well re-entered April 20, 1970 and full string of $4\frac{1}{2}$ " run.

SOHIO - PHILLIPS LEA NO. 6 Unit K 2310' FS & WL Section 31, T-17S, R-34E Lea County, New Mexico

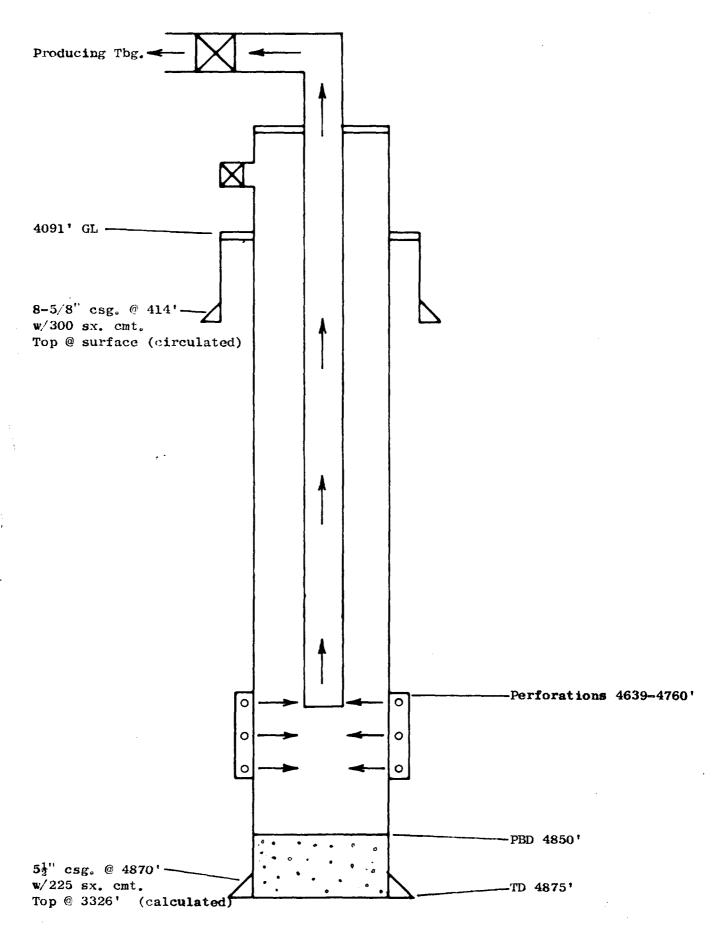
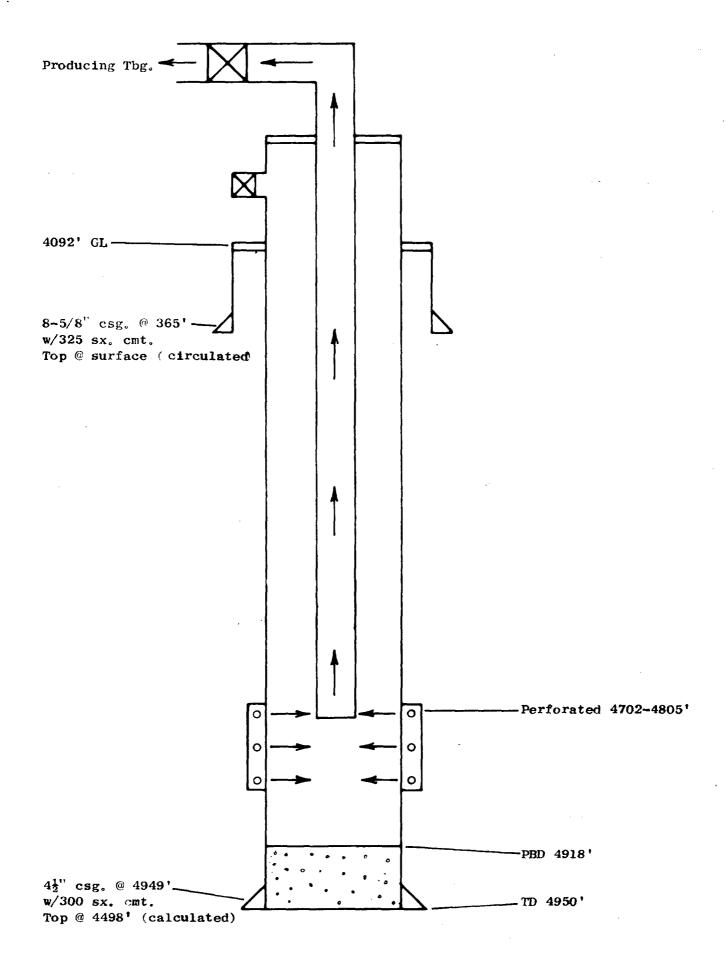


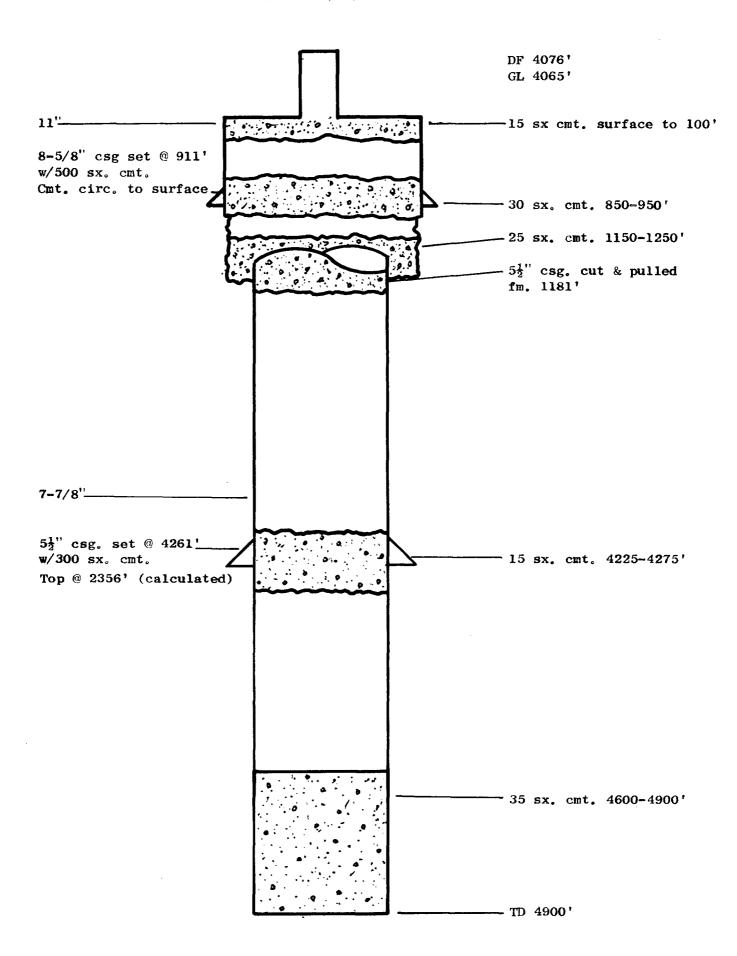
EXHIBIT NO. 50

SOHIO - PHILLIPS LEA NO. 8 Unit N 990' FSL & 1650' FWL Section 31, T-17S, R-34E Lea County, New Mexico

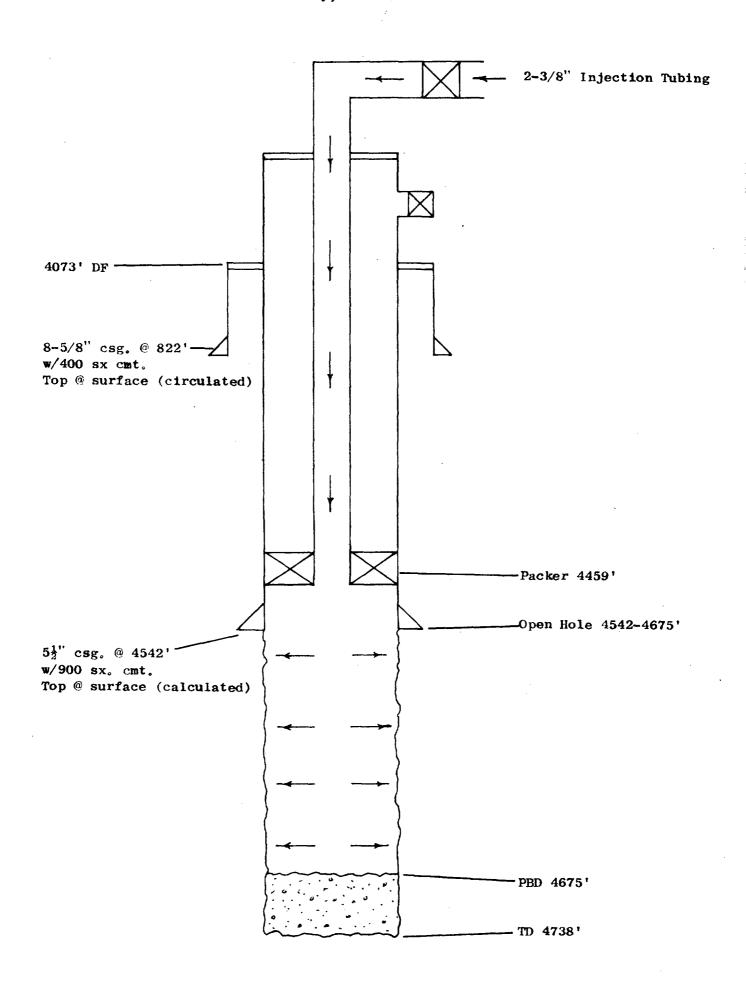


TEXACO - NEW MEXICO "D" STATE NCT-2 NO. 2 660' FN & EL Section 32, T-17S, R-34E Lea County, New Mexico

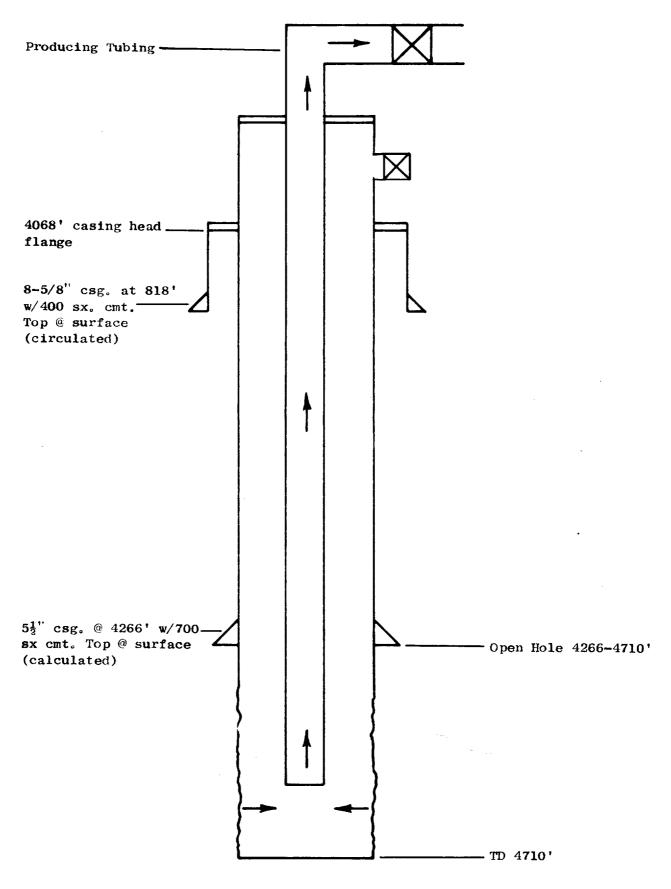
P & A 2/22/48



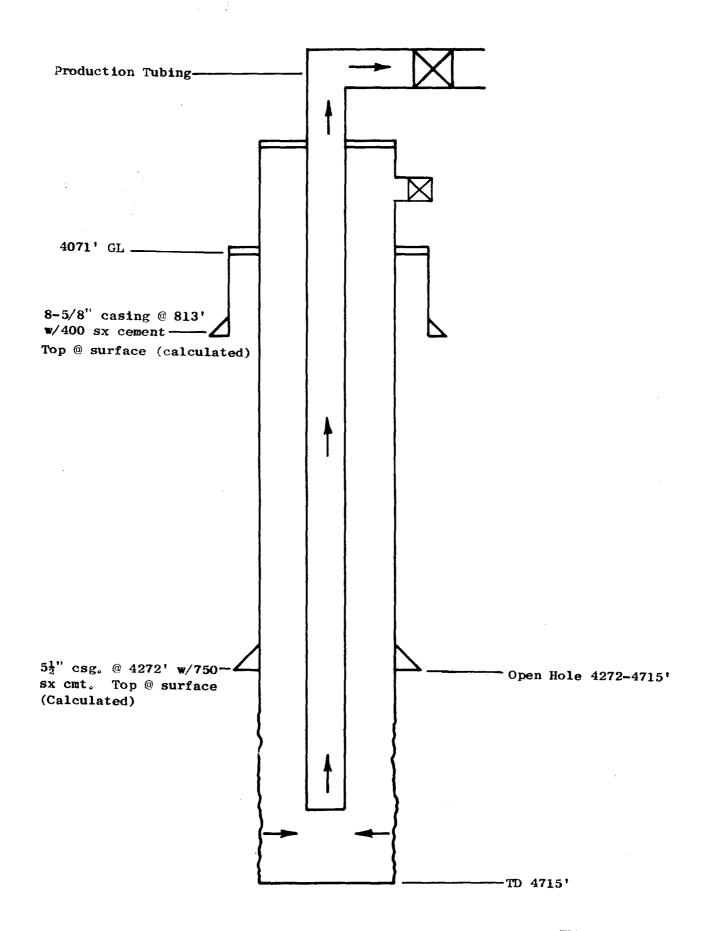
WEST VACUUM UNIT NO. 7
(Ohio Oil Co. - State B-7998 #2)
Unit C 990' FNL & 2310' FWL
Section 33, T-17S, R-34E
Lea County, New Mexico



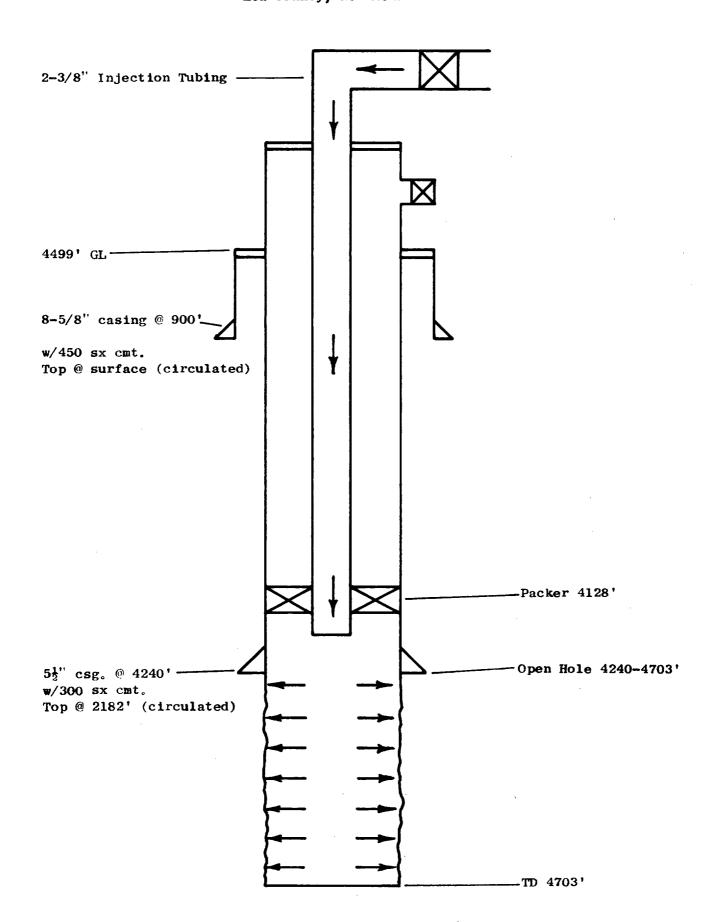
TEXACO - WEST VACUUM UNIT NO. 14 (Ohio Oil Company - State B-8097 #1) Unit E 1980' FNL & 660' FWL Section 33, T-17S, R-34E Lea County, New Mexico



TEXACO - WEST VACUUM UNIT NO. 15 (Ohio Oil Company - State B-7998 #1) Unit F 1980' FN & WL Section 33, T-17S, R-34E Lea County, New Mexico



WEST VACUUM UNIT NO. 23 (Texas Company - State of New Mexico "D" #15) Unit K 1980' FS & WL Section 33, T-17S, R-34E Lea County, New Mexico



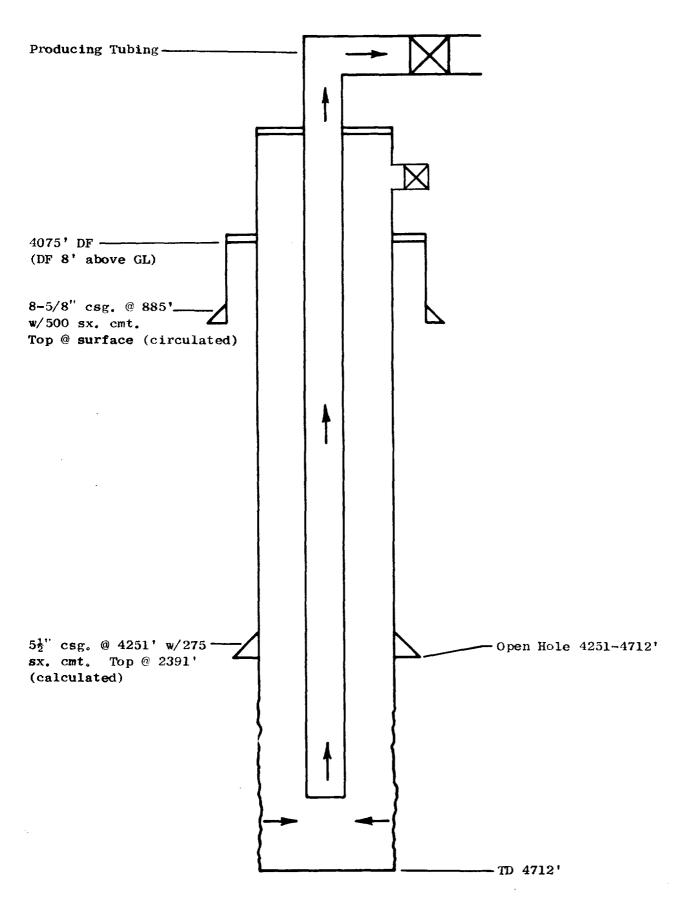
TEXACO - WEST VACUUM UNIT No. 22

(Texaco - State of New Mexico "O" NCT-2 #16)

Unit L 1980' FSL & 660' FWL

Section 33, T-178, R-34E

Lea County, New Mexico



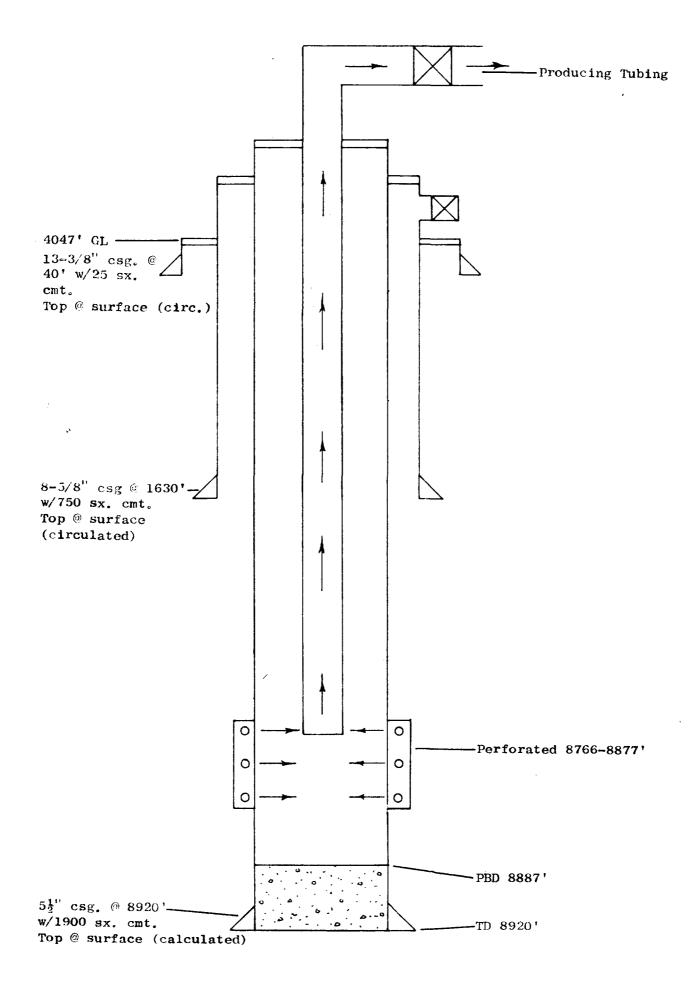
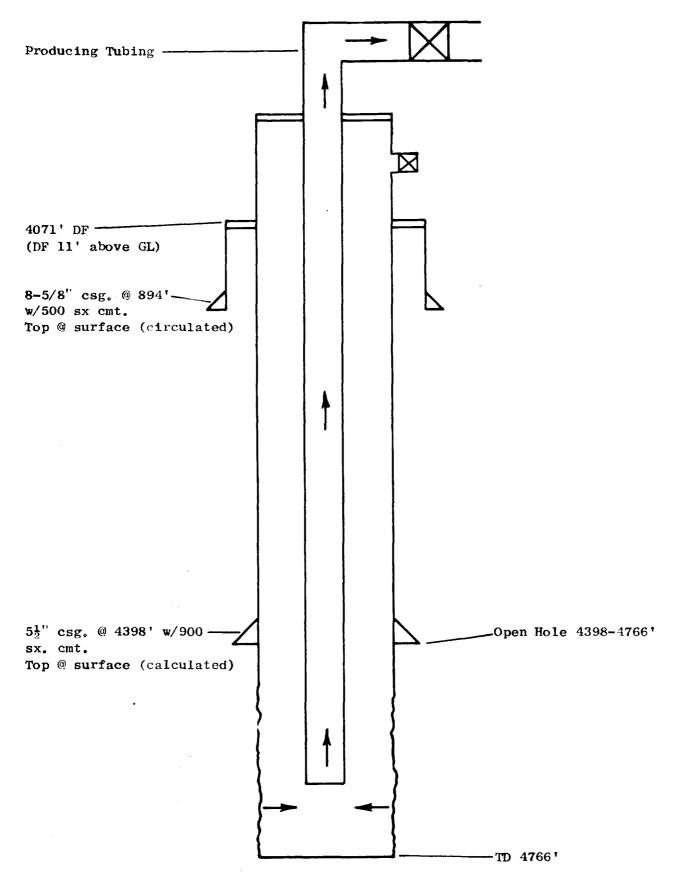


EXHIBIT NO. 58

TEXACO - WEST VACUUM UNIT NO. 30
(Texaco - State of New Mexico "O" NCT-2 #18)
Unit M 660' FS & WL
Section 33, T-17S, R-34E
Lea County, New Mexico



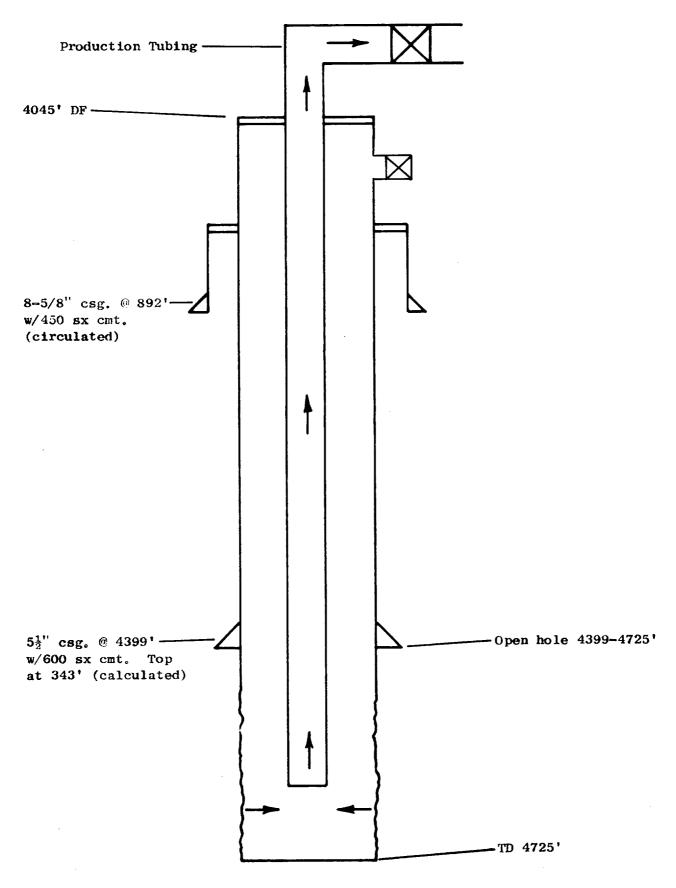
TEXACO - WEST VACUUM UNIT NO. 31)

(Texaco - State of New Mexico "O" NCT-2 #17)

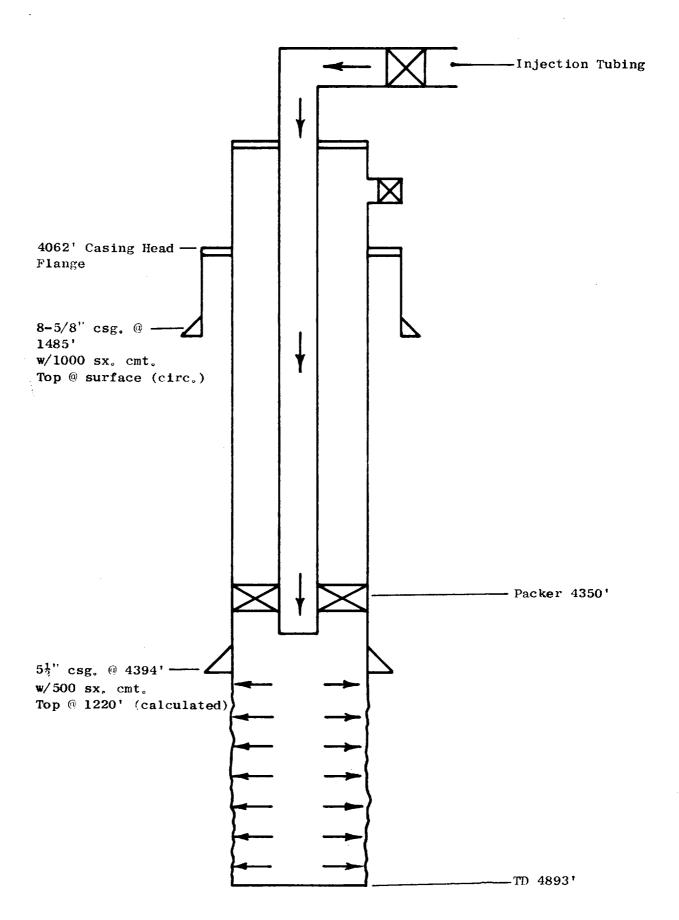
Unit N 660' FSL & 1980' FWL

Section 33, T-17S, R-34E

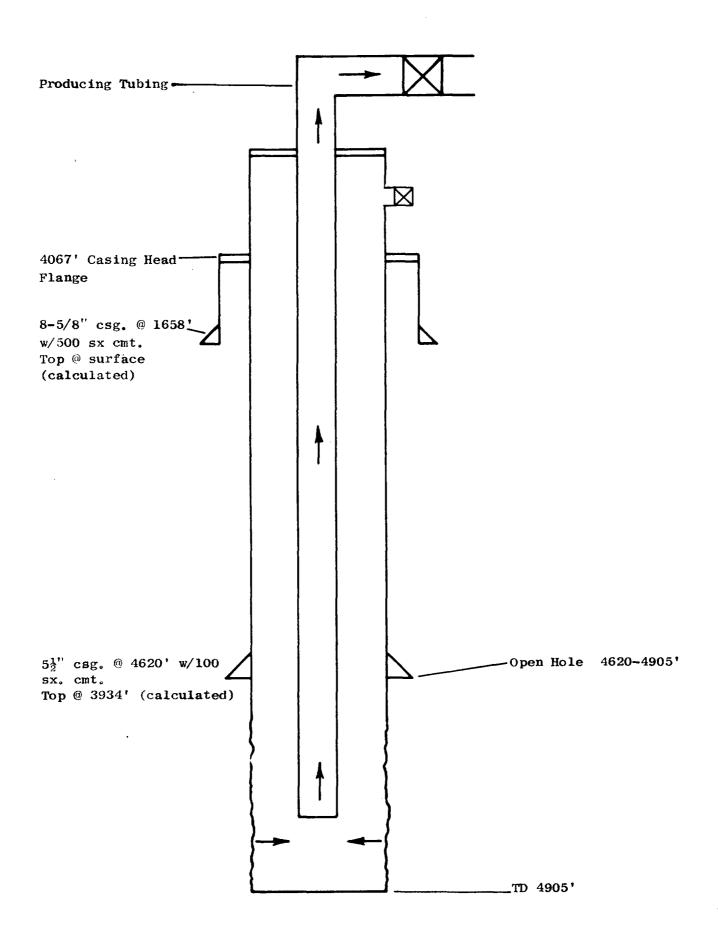
Lea County, New Mexico

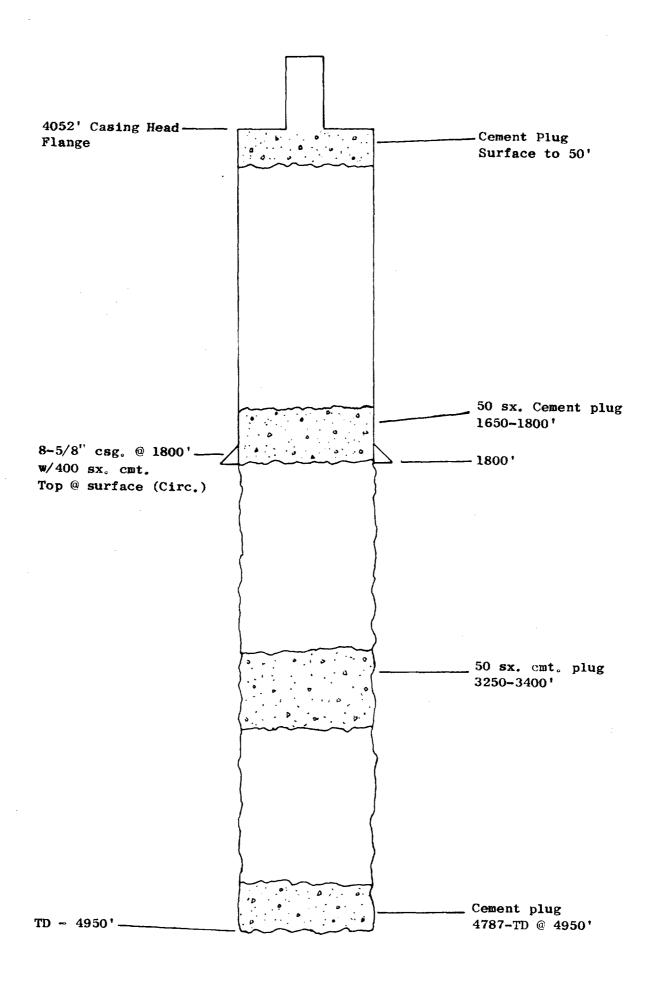


TEXACO - WEST VACUUM UNIT NO. 40
(Texaco - State of New Mexico "AA" NCT-2 No. 1)
Unit C 666' FNL t 1980' FWL
Section 4, T-188, R-34E
Lea County, New Mexico

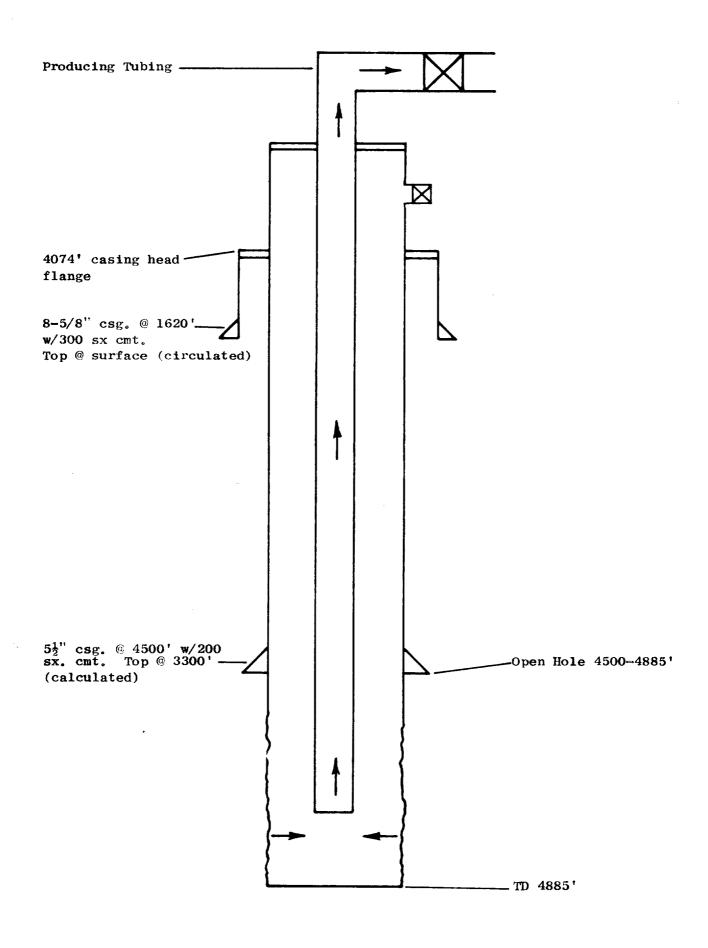


TEXACO - WEST VACUUM UNIT NO. 39
(Mesa Retailers, Inc. - State #1)
Unit D 330' FN & WL
Section 4, T-18S, R-34E
Lea County, New Mexico

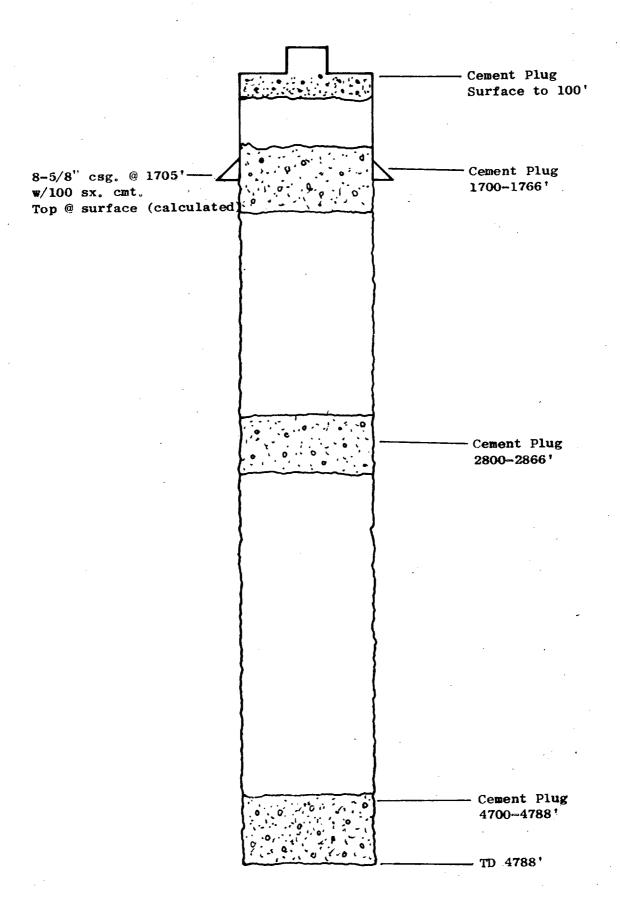




TEXACO - WEST VACUUM UNIT NO. 38
(Dalport Oil Co. - Phillips State "B" #1)
Unit A 330' FNL & 660' FEL
Section 5, T-18S, R-34E
Lea County, New Mexico



MALCO PHILLIPS - STATE NO. 1 Unit B 330' FNL & 1980' FEL Section 6, T-18S, R-34E Lea County, New Mexico



MURPHY BAXTER - NORTH E-K QUEEN UNIT TRACT 3 NO. 3
(Phillips - Lea #15)
Unit F 2310' FNL & 1650' FWL
Section 6, T-18S, R-34E
Lea County, New Mexico

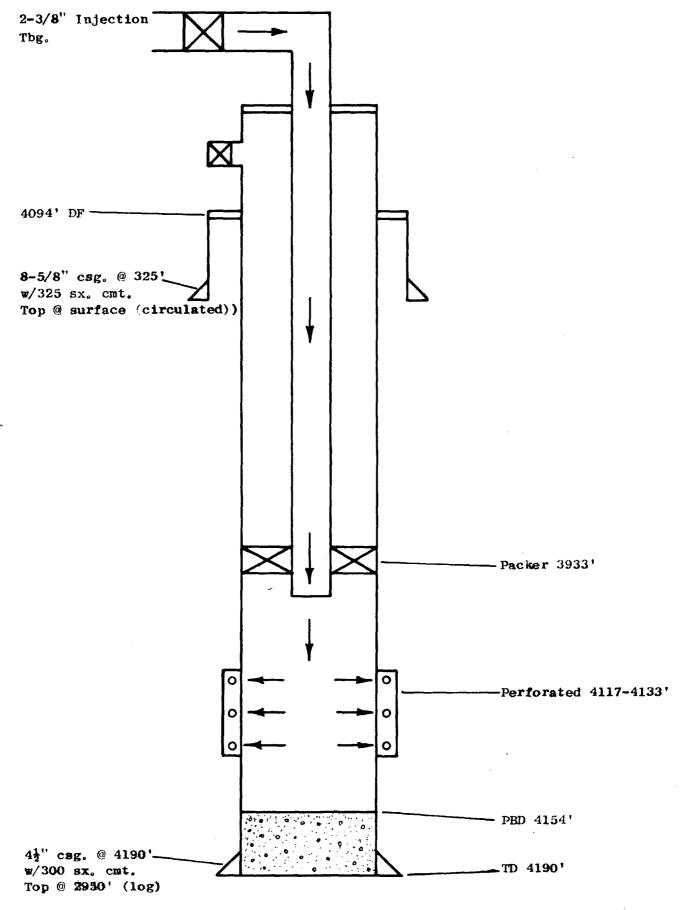
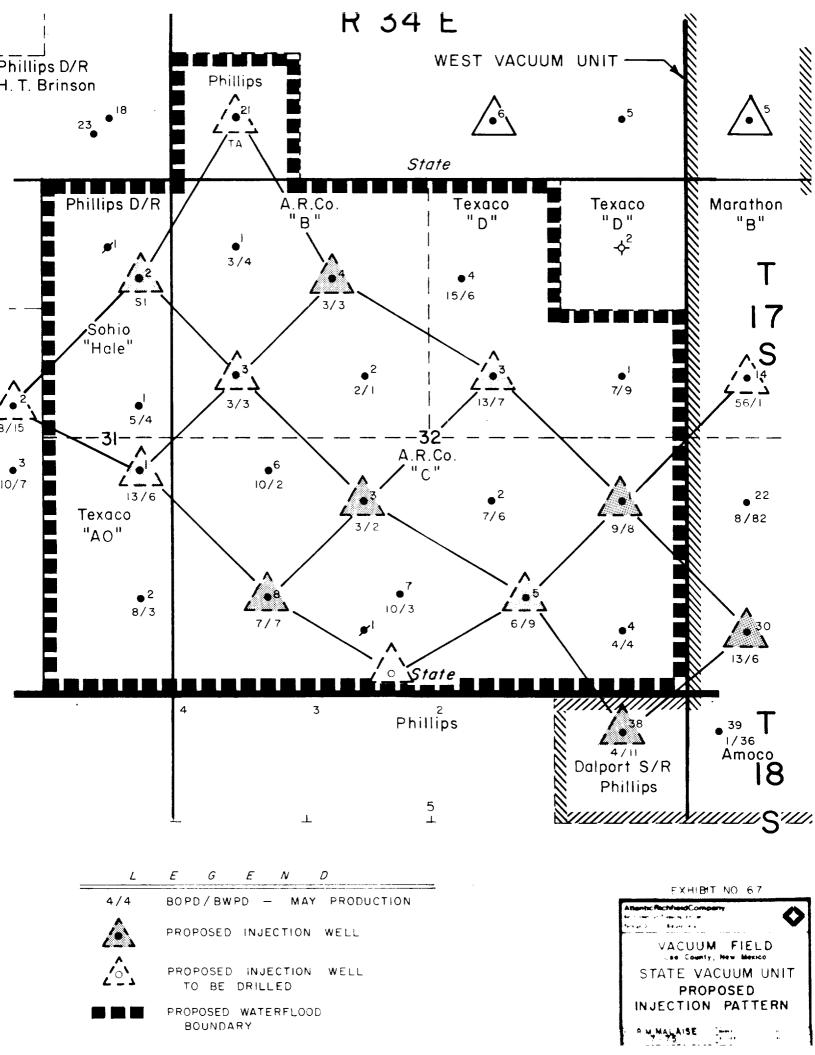


EXHIBIT NO. 66



REPRODUCED BY

WEST TEXAS ÉLECTRICAL LOG SERVICE

1305 Commerce Street Dellas 1, Texas

REFERENCE No. A 400-A

LANE RADIOACTIVITY WELLS										
Location of Well 4005 DP	COMPANY: TEXAS-GULF FROD. 00. WELL: STATE B BO. S FILE: FIGLD: MEST VACUUM COUNTY: LEA STATE: F.E. LOCATION: 1989' FIL 860' FIL EBO 38-175-34E						COUNTY: TAA STATE	MILD. WEST VACOUM	WELLSTATE B NO. 5	COMPANY, TEXAS-OUTS TROD.
PRIMANENT DATUM \$ \$/8" BRADEN II. BLEVATION 4884 FRUM NUMBER TYPE OF LOG										8.
CASING RECORD RUN NO. SIZE_IN. WT_LE INTERVAL \$ 1/2 LITER 1410 TO ASSET TO T										
GAMMA RAY			DEPTH COS	NEUTRON RADIATION INTENSITY INCREASES						

Mr. J. L. Tweed
Atlantic Richfield Company
Box 1610
Midland, Texas 79701

Dear Mr. Tweed:

As requested in your letter of May 19, 1978, and as provided in Order No. R-5295, the injection pressure in your State Vacuum unit can be increased to 1130 pounds per square inch. The tests attached to the above mentioned letter, indicate the formation parting pressure in this area to be above the authorized pressure increase.

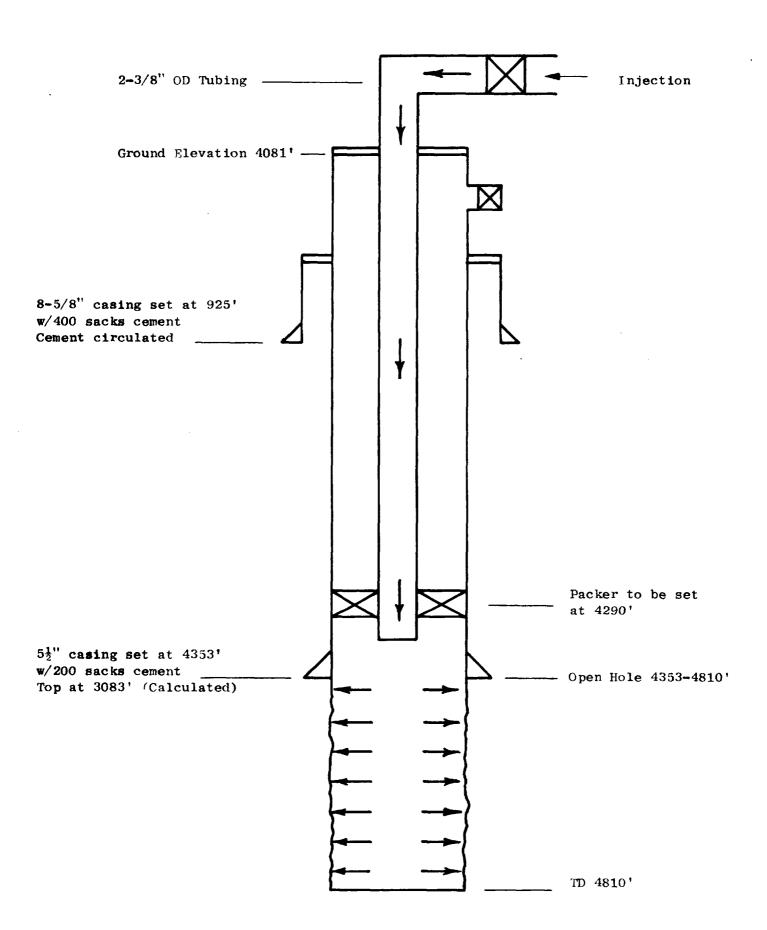
Very truly yours,

Joè D. Ramey Division Director

JDR/og

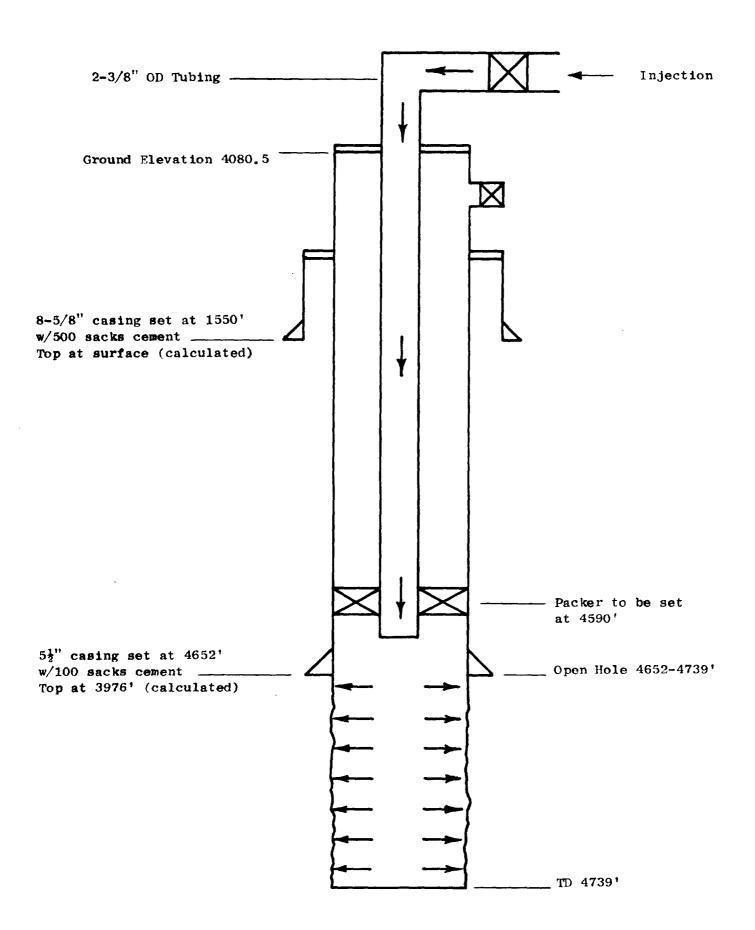
Schematic Drawing of Injection Well Unit Well No. 1 (Phillips Lea No. 21) 660' FSL & 680' FWL Section 29, T-17S, R-34E Lea County, New Mexico

All measurements are from KB 10' above GL



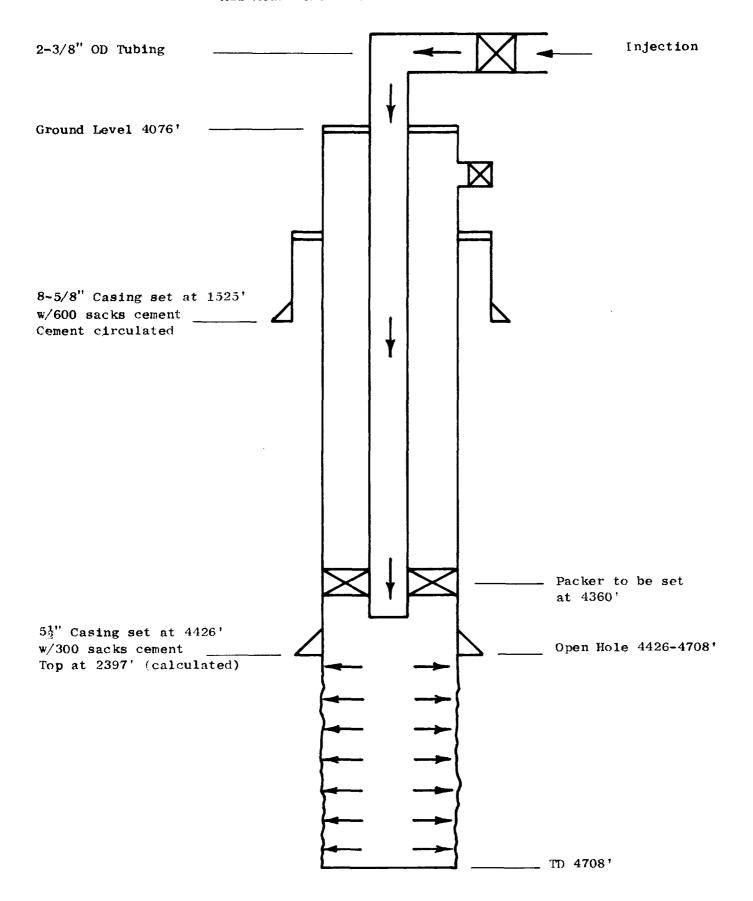
Schematic Drawing of Injection Well
Unit Well No. 2 (Sohio Hale-State No. 2)
990' FNL & 330' FEL Section 31, T-17S, R-34E
Lea County, New Mexico

All Measurements are from KB 2,5' above GL



Schematic Drawing of Injection Well
Unit Well No. 4 (A.R.Co. State "B" TG No. 4)
990' FNL & 1650' FWL Section 32, T-17S R-34E
Lea County, New Mexico

All Measurements are from KB 2' above GL

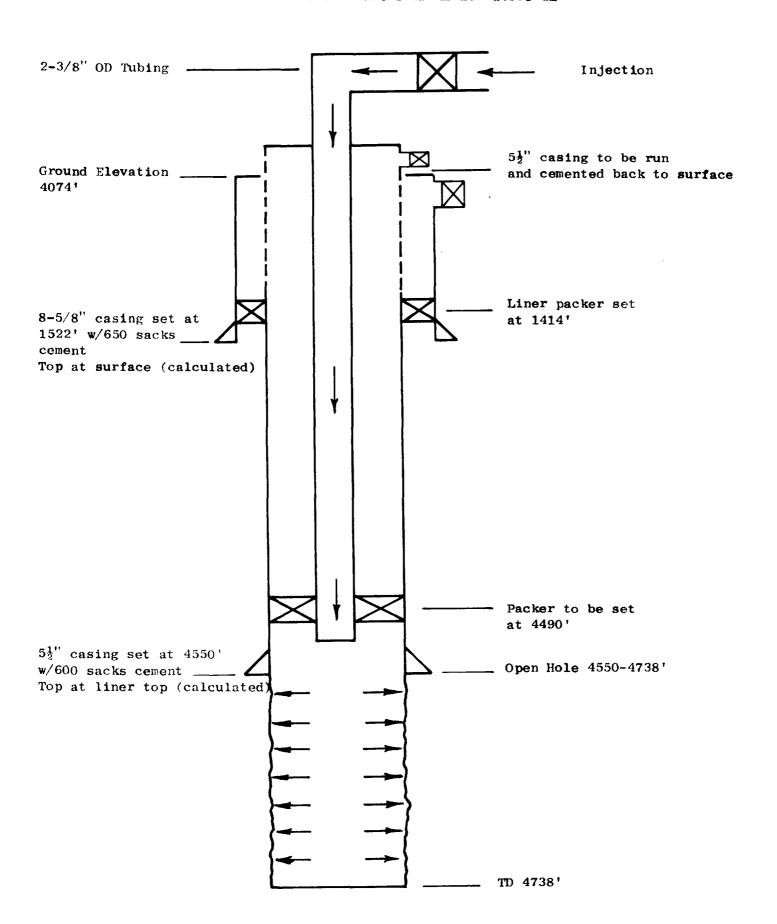


ATLANTIC RICHFIELD COMPANY
Unit Well No. 7 (A.R.Co. State "B" TG No. 3)
STATE VACUUM UNIT
Lea County, New Mexico

EXHIBIT NO. 8

Schematic Drawing of Injection Well
Unit Well No. 7 (A.R.Co. State "B" TG No. 3)
1980' FNL & 660' FWL Section 32, T-17S, R-34E
Lea County, New Mexico

All measurements are from KB 10' above GL



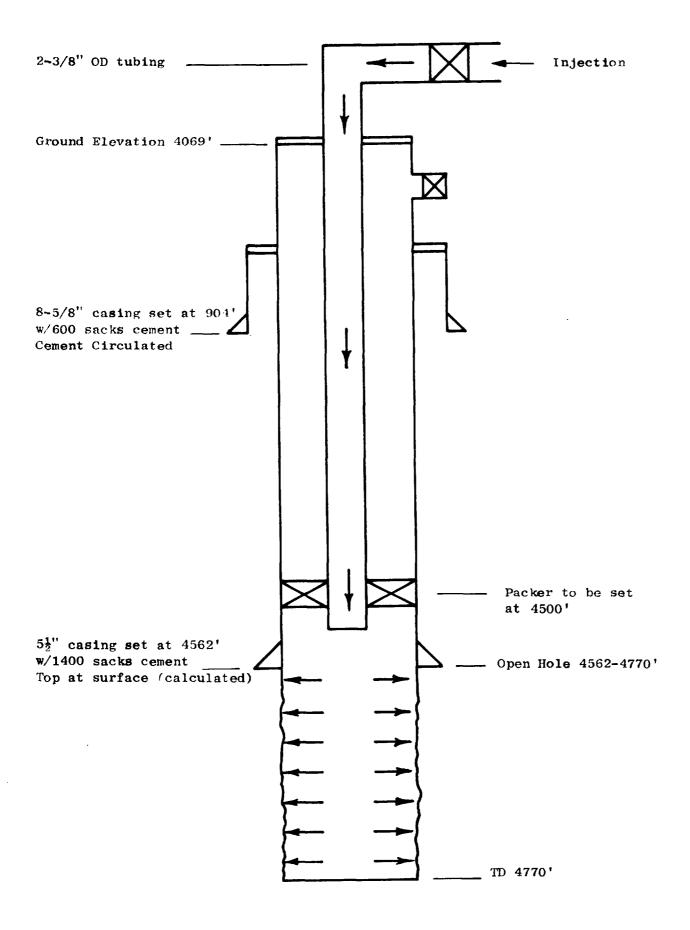
9___

ATLANTIC RICHFIELD COMPANY

STATE VACUUM UNIT

Schematic Drawing of Injection Well
Unit Well No. 9 (Texaco New Mexico "D" State NCT-2 No. 3)
1980' FNL & 1980' FEL Section 32, T-17S, R-34E
Lea County, New Mexico

All measurements are from KB 9' above GL

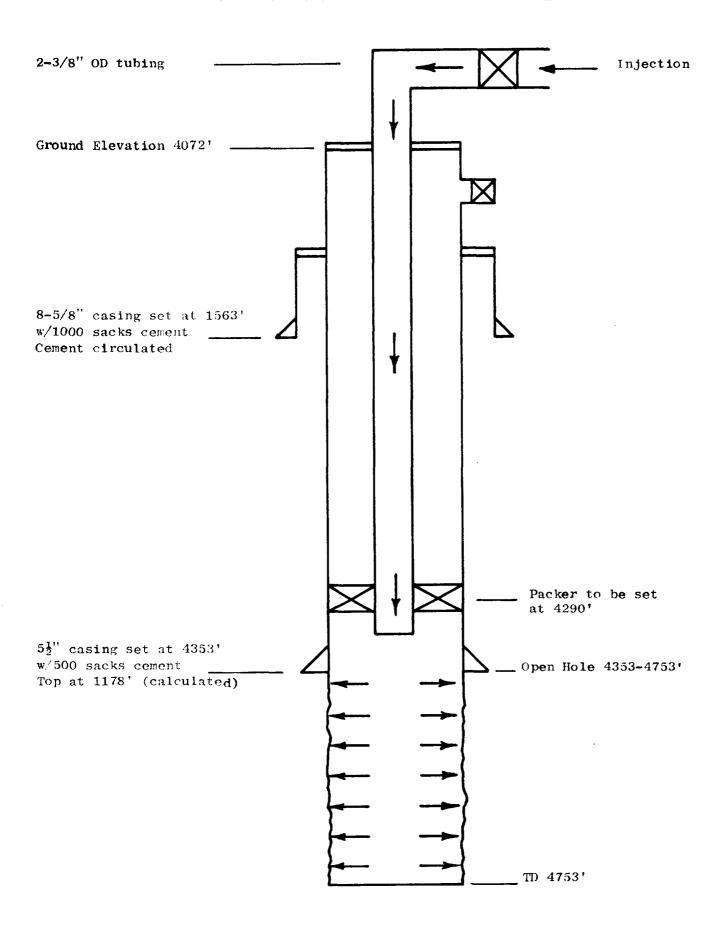


Gre 5Nor

ATLANTIC RICHFIELD COMPANY STATE VACUUM UNIT

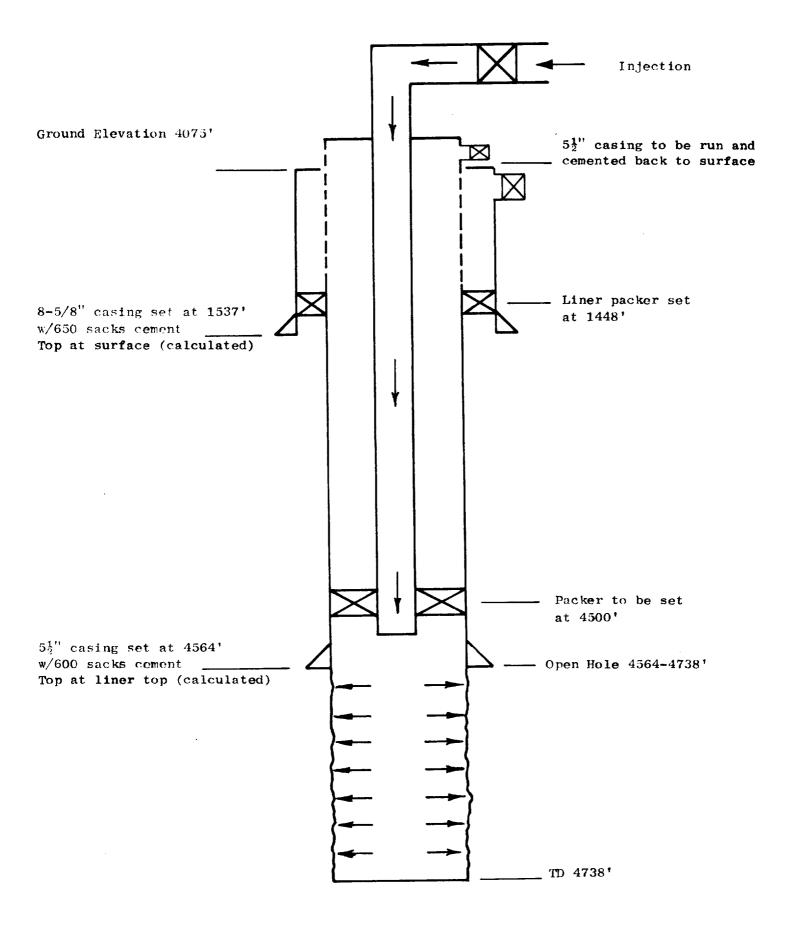
Schematic Drawing of Injection Well
Unit Well No. 11 (Texaco New Mexico "AO" State No. 1)
2310' FSL & 330' FEL Section 31, T-17S, R-34E
Lea County, New Mexico

All measurements are from KB 10' above GL



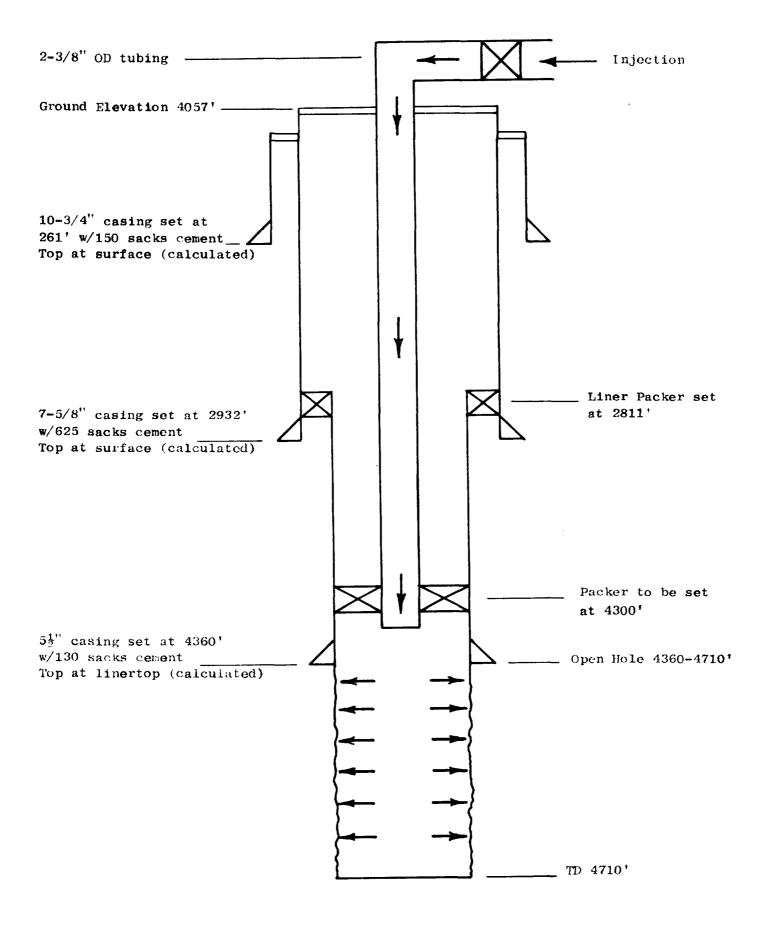
Schematic Drawing of Injection Well
Unit Well No. 13 (A.R.Co. State "C" TG No. 3)
1980' FSL & 1980' FWI Section 32, T-17S, R-34E
Lea County, New Mexico

All measurements are from KB 10.5' above GL



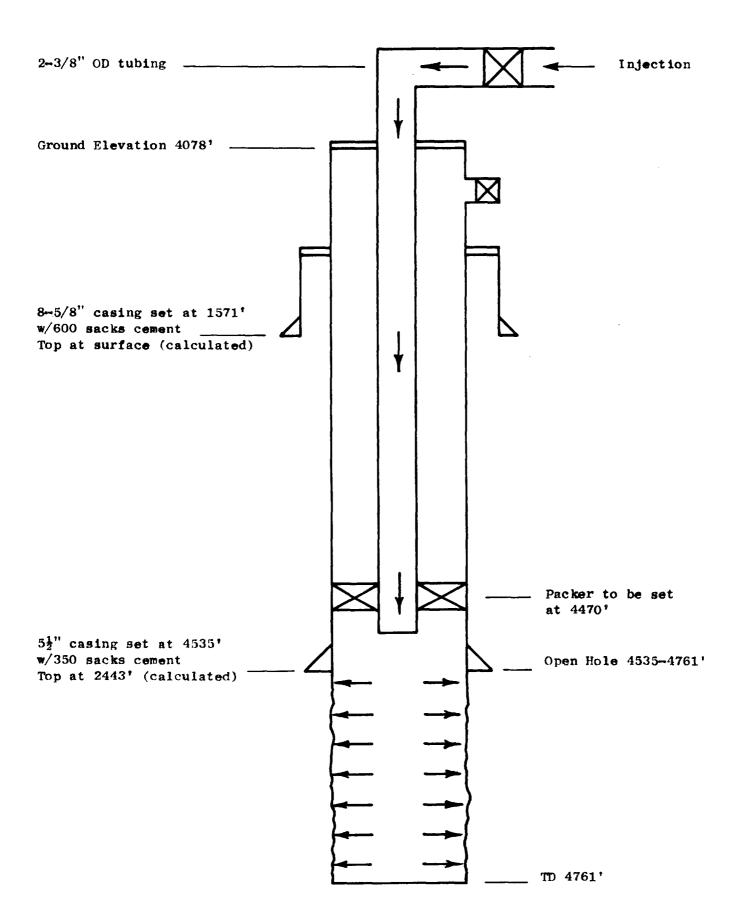
Schematic Drawing of Injection Well Unit Well No. 15 (A.R.Co. State "C" TG No. 1) 1980' FSL & 660' FEL Section 32, T-17S, R-34E Lea County, New Mexico

All measurements are from KB 10' above GL



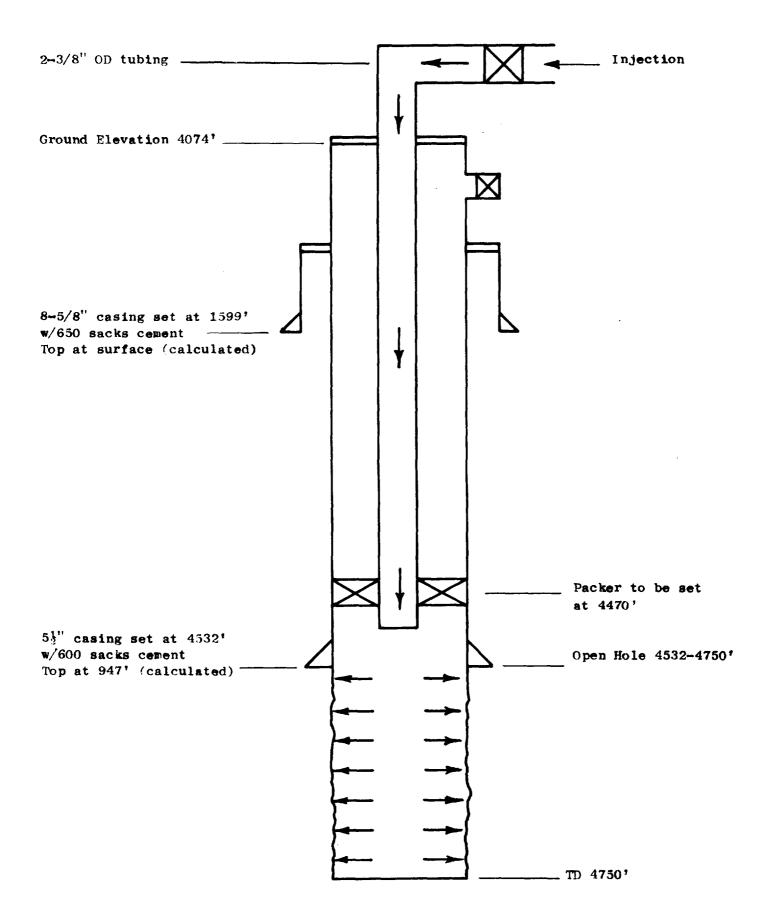
Schematic Drawing of Injection Well
Unit Well No. 17 (A.R.Co. State "C" TG No. 8)
990° FSL & 990° FWL Section 32, T-17S, R-34E
Lea County, New Mexico

All measurements are from KB 4' above GL

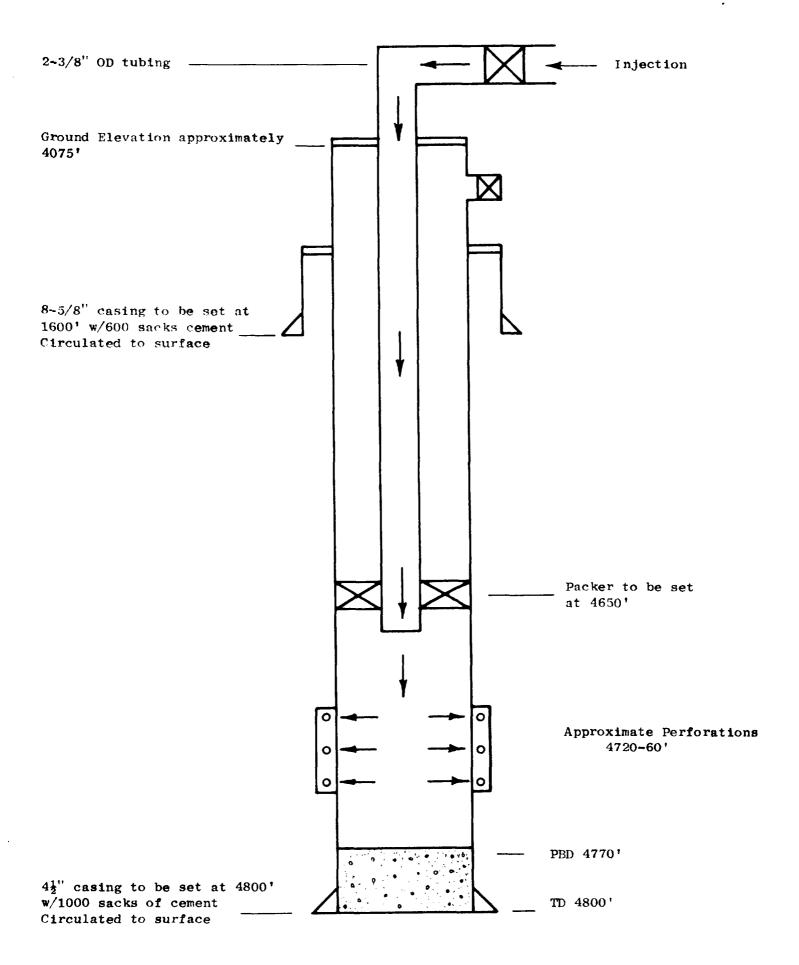


Schematic Drawing of Injection Well
Unit Well No. 19 (A.R.Co. State "C" TG No. 5)
990' FSL & 1650' FEL Section 32, T-17S, R-34E
Lea County, New Mexico

All measurements are from KB 2' above GL



Schematic Drawing of Injection Well To be drilled approximately 330' FSL & 2310' FWL Section 32, T-17S, R-34E Lea County, New Mexico





WEST TEXAS ELECTRICAL LOG SERVICE

THE PARTY LITTLE

1305 Commerce Street Delias I, Texas

REFERENCE No. A 327.C

LAN	ERAI	DIOAC LOC Comp		YY	₩ [ELLS		
Lecetion of Well	WELL: 87A	1900' 78	PNE: DI STAT L 8801	Er Halla PRI,	COUNTY: 134	COMPANY: TREAT - STATE IN THE STATE OF THE S		
DRILLING MEASU	LOS MEASURED PROMEOTARY TARLE SERVATION 40671 DESCRIPTION FOR ROTERY T. SERVATION 60671 PERMANENT DATUM 7 5/8 BRADER E-SERVATION 4063-21							
TYPE OF LOS	AZENTA REVOKED	0AMA RAY JAN 21-48 4710! 4713-5! OIL PELL	47101 4713. 011. FULL	.51				
O.D. OF INSTRUM SENSITIVITY REPER RECORDED BY WITHESSED BY	CASING REC		3 5/1 978 NOR 21 08.381	a OP	EN HOLE			
No. No.								
		SMARKS OR	OTHER	DATA				
GAM	MA RAY	1	32	NE	EUTRO	N		

Reproduced By

West Texas Electrical Log Service 1305 Commerce Street

Dollas I, Texas

REFERENCE NY A 1814 -D

LANE RADIO	DACT	YTIV		ne	
	LOG	V	MS	LL3	
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Location of Well COMPANYL_THE	M MED TH	70.00	52	RES	
			COURTY.	5 F 🐧	
WELL	TR 909 HO.		93	•	
PIGLD: 1884	R TACHEM		P Z		
COUNTY: 124		TATE LA.	*		
LOCATION: 165	LOCATION: 1650! PM. 990! ME., MC.				
LOS MAS. PROM_CONTROL HEAD			3	7 P	
DOLG. MEAS, PROM. CONTROL HOND.	······ ·	MAN JORG	F		
PRM. DATUM \$ 1/2º R. HEAD		MAN. MOTIL			
TYPE OF LOS	GAMEL BAT	MATERIAL .			
RUN HO. BATE	12-62	1 2-40			
TOTAL BETTH BRILLING STORE I	1790	1790			
SPECTIVE DEPTH (DRILLER)	1.750	-6780			
TOP OF LOGGED INTERVAL	1100	1100	······································		
TYPE OF FLUID IN HOLE	A7M	077			
FLUID LINE	70.2			1	
MAJEMUM RECORDED TEMP.					
NEUTRON SOURCE STRENGTH & TYPE.		4008	···		
SOURCE SPACING — IN.	+	1.25			
LEMSTH OF MEASURING DEVICE — INL.		1350	*********************		
TIME CONSTANT - SECONDS	la .			I	
LOGONIO SPEED PT./MINL	20	1 20		1	
STATISTICAL VARIATION INL	.			}	
SOMETTIVITY REPORTICE	274	1 STS			
ASCORDED BY	THIY	10117	***************	†	
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***************************************	70				
	10			.70	
RSMA	RKS OR OTH	ER DATA		·····	

Reproduced By West Texas Electrical Log Service 1905 Commerce Street Dollar 1, Tourn

REFERENCE Nº A 1573 -A

	_ DADI	OACT	IVITY -		
ILAN	E RADIO	LOG	i i i i i i	WE	LLS
		MPAN		PILE MO.	
Location of Well	COMPANY: Y	TAR MEZ	PROPERTY OF	Y	1 2 8
	WELL:	24.1		COUNTY.	
	FIGLD:	OR TAKETH			
	COUNTY: ES		STATE IL		
			Ma-Ma		
				A	5
,	M GOOD STOCK, NO.		LV.4660		
PERM. BATUM.	8 3/8" 1041		ANAMS!	A	
TYPE OF LOS		4	I.		
TOTAL DEPTH PI		20.0.03	79-9-61 6798!		
TOP OF LOGGED	BULENAT	1000	38001		
TYPE OF PLUID IN	HOLE		10 L		
MARMUM RECORD NEUTRON SOURCE SOURCE SPACING			eoes 		
O.D. OF INSTRUM		3.44	3 4/2		I
TIME CONSTANT LOGGING SPEED STATISTICAL VAR	FT./MINL				
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REPRODUCED BY

WEST TEXAS ELECTRICAL LOG SERVICE

1305 Commerce Street Dollac 1, Texas

REFERENCE No. A 410-D

Location of Well Location of Well LOCATE LOCATE DRILLING MEASURED F DRILLING MEASURED F DRILLING MEASURED F DRILLING MEASURED F DATE COMPANY DEFTH MAZIMUM DEFTH	COMPANY: WELL: STAT PIELD: COUNTY: LOCATION; ROM TOT R	TEXAS-CO MO TEXAS-CO NO TEXAS-CO NO TEXAS-CO TEXAS TEX	PAN NULP X 8 RESAL RENATION BLEVATOR BLE	PILE: PLE: PLE: PLE: PLE: PLE: PLE: PLE: P	00. 3. N.N. 3. N.N. 4. N.N.	LOCATION	OCUMENT. IZA STATE N.H.	AVOIGH.	WALL STATE O NO. 8 MAE	COMPANY, PERAD-OUT FR. 60.
RUN NO. SIZE	CASING REC	MA.	TENAL TO 14 TO 170 TO 1		OI SIZE		IN	RECONTENT. TOTOTOTOTO	AL_	_
	MA RAY	→	DEPTH COLUMN	PAR	N	EUT			>	\CFC

Reproduced By

West Texas Electrical Log Service
1305 Commerce Street Delles 1, Texes

REFERENCE Nº A 1481 - A

	5 1	MPAN'		THE NO	\ <u>.</u>		
section of Well	COMPANY, THEM	LOGIZ JICAN	TOO OO.	COUNTY.	3	1	8
	WELL: PAT	TE BA			7	-	Ž
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	PHILD: MINE	TACTOR					
	COUNTY:EMA_	S	TATE LANK.				:
	LOCATION, 3901	1440					
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	M. SHEER ROOK FROM						
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	\$ 3/2° MATTER 1]	1		-
PERML BATUM	\$ 1/70 manual 1		EN. MARKE	!	T		-
TYPE OF LOS	\$ 3/70 MARKET		EN. LENG.	J	I		-
TYPE OF LOS	\$ 1/2º MARIEL I		EN. MARKE				-
TYPE OF LOG	\$ 1/2º MARIEL I		EN. LENG.				-
TYPE OF LOG	S 1/2º MATRIE I MLIME STORE LINE DOLLINE MITERVAL		EN. LENG.				
TYPE OF LOG	S 3/Xº MATERI I MILINA MINE LINE PRILINA NITERVAL OGD INTERVAL		# 1 - 46-61 - 17061 - 17061 - 17061 - 17061 - 17061 - 17061				
PERML BATUM TYPE OF LOG BUN NO. DATE TOTAL BETTH BE EVECTIVE DETTH TOP OF LOGGED BOTTOM OF LOG	S 3/Xº MATERI I MILINA MINE LINE PRILINA NITERVAL OGD INTERVAL		# 1 - 461-51 - 57051 - 57051 - 57051 - 57051				
PERML BATUM	S 3/2º MACHEL I		## 1 ### .				
PERML BATUM	S 3/2º MACHEL I		## 1 ## 1 ## 2004 \$2004				
PERML BATUM	S 3/2º MATERI I BLUML STOR LINE DALLIN MITERVAL ORD INTERVAL HOLE DED TEMP	### A PAR A	## 1 ### .				
PERML BATUM	S 3/2º MACHEL MILIMI MYDER LYDE PHILIMA PHILIMA OND HYDRIVAL I HOLE S STRENGTH & TYPE - IN.	AAR AAR AAR AAR AAR AAR AAR AAR AAR AAR	## 1 ## 1 ## 46-61 \$2084 \$				
PERM. BATUM	S 3/2º MATERI I MILIMI MITHE LITE DIMILINA ORD INTERVAL HOLE DESTREMENTH & TYPE D-IN SUMMO DEVICE—IN	### A PAR	## 1 ## 1 ## 2004 \$2004				
PERM. BATUM TYPE OF LOG BAIN NO BATE TOTAL BEPTH (DE EMPECTIVE DEPTH TOP OF LOGGED TYPE OF PLUID IS PLUID LEVE MAXEMUM RECO MENTION SOURCE SOURCE SPACINI LENGTH OF MEA OUT: OF INSTRUM TIME CONSTANT	S 1/2º MATERI BLUM MOR LINE PRILIMA MITERIAL ORD INTERVAL I HOLE STRENGTH & TYPE SUMMS DEVICE—INL MINT — INL — SECONDS	AAR AAR AAR AAR AAR AAR AAR AAR AAR AAR	## 1 ## 1 ## 46-61 \$2084 \$				
PERM. BATUM TYPE OF LOG BUN NO BATE TOTAL BEPTH (BI BUTGETIVE DEPTH TOP OF LOGGED BOTTOM OF LOG BOTTOM OF LOG BUTTOM SP LOG BUTTOM SP LOG FLUID IN FLUID LEVEL MAJEMUM BECO MEUTRON SOURC SOURCE SPACIN CURCE SPACIN TIME CONSTANT LOGGENS SPEED	S 3/Xº MACHEL MLINE MORE LINE PRILINE NITERVAL GED INTERVAL I HOLE TOED TEMP. ZE STRENGTH & TYPE B - IN. SUMMS DEVICE - IN. GENT - IN. — SECONDS. PT./MIN.	AAR AAR AAR AAR AAR AAR AAR AAR AAR AAR	## 1 ## 1 ## 46-61 \$2084 \$				
PERML BATUM TYPE OF LOG BUN NO. BATE TOTAL BEPTH ISI EVECTIVE DEPTH TOP OF LOGGED BOTTOM OF LOG TYPE OF PLUID IS PLUID LEVEL MAXEMUM RECO HELVIRON SOUNCE SOUNCE SPACIN TIME CONSTANT LOGGING SPEED STATISTICAL VAI	MLIMA MYSE LYNE PRILINA INTERVAL ORD INTERVAL I HOLE SE STRINGTH & TYPE B — IN. SUMMO DEVICE — IN. INTERVAL IN	AAR AAR AAR AAR AAR AAR AAR AAR AAR AAR	## 1 ## 1 ## 46-61 \$2084 \$				
PERML BATUM TYPE OF LOG MIN NO. BATE TOTAL BEPTH BE EVECTIVE DEPTH TOP OF LOGGED BOTTOM OF LOG TYPE OF FLUID IS FLUID LEVEL MAXIMUM RECO NEUTBON SOURC SOURCE SPACIN LENGTH OF MEA O.D. OF INSTRUM TIME CONSTANT LOGGING SPEED STATISTICAL VAI SENSITIVITY REPE	S 3/Xº MACHEL MILINA MYSE LYNE PRILINA PRILINA PRILINA NITERVAL OSD INTERVAL I HOLE SE STRENSTH & TYPE B — NL SUMMO DEVICE — INL HOLE FT./MINL BATTON — INL HOLE HOLE	AA AA AA AA AA AA AA AA AA AA	## 1 ## 1 ## 46-61 \$2084 \$				
PERML BATUM TYPE OF LOG. NAN NO. DATE. TOTAL BEPTH ISI EVECTIVE SEPTH TOP OF LOGGED BOTTOM OF LOG TYPE OF PLUID IS PLUID LEVEL. MAXIMUM RECO NELVISION SOURCE SOURCE SPACIN TIME CONSTANT LOGGING SPEED STATISTICAL VAI	S 3/Xº MACHEL MILINA MYSE LYNE PRILINA PRILINA PRILINA NITERVAL OSD INTERVAL I HOLE SE STRENSTH & TYPE B — NL SUMMO DEVICE — INL HOLE FT./MINL BATTON — INL HOLE HOLE	AAR AAR AAR AAR AAR AAR AAR AAR AAR AAR	## 1 ## 1 ## 46-61 \$2084 \$				

REPRODUCED BY

WEST TEXAS ELECTRICAL LOG SERVICE

1305 Commerce Street Dallas 1, Texas

REFERENCE No. A 407-C

4080° DP LOG MEASURED FI DRILLING MEASUR PERMANENT DATU RUN NUMBER TYPE OF LOG DATE COMPANY DEPTH MAXIMUM DEPTH WELL FLUID FLUID LEVEL MAXIMUM TEMPER SENSITIVITY REPERE RECORDED SY WITNESSED BY RUN NO. SIZE L	E PROM TO! M 64 BRADE E, L. REACHED ATURE NT-INCHES NCE	TARY DEPOSE ROTARY DEPOSE READ BAR AY 16-8 4770 1 4750 1 OIL FULL S. 5/8 RUMION BERREN	VATION VA	4001.8' 4001.8' 4078.8' 4078.8'		M	TERY/	L.	wo. 713 73XAS CO.
	R	10		DATA	***************************************		10 .10 .10		

Reproduced by West Texas Electrical Log Service 1306 Commerce Street Delta 1, Toron

AEFERENCE Nº A 1301 D

Location of Well	COMPANY: TI	E TEXAS (20 ,	PALE NO COUNTY	WELL: STA
46 2 223	COUNTY: M	A. N. X	STATE: No. Ma.	7	STATE AO NO.
LOS MEAS. FROM	DRIVE BUSH	ING	ELEV. 4077 1 BLEV. 4077 1 BLEV. 4066 . 61	HATE N.N.	* *
TYPE OF DOG RUN NO. DATE TOTAL DEPTH IDRI BEFECTIVE DEPTH TOP OF LOGGED BOTTOM OF LOGGE TYPE OF PLUID IN FLUID LEVEL MAXIMUM RECOR NEUTRON SOURCE SOURCE SPACING	IDRILLER) INTERVAL GED INTERVAL HOLE DED TEMP. E STRENGTH & TYPE — IN. URING DEVICE — IN. UST — IN. SECONDS T, MIN. LTION — IN.	G/R 1-9-81 4753' 4753' 0 4753' 0IL PULL 36 3 5/8 E 38	N/L 1-10-81 4753' 4753' 0 4753' 0 1L FULL 600M 8.25 9 2 5/6 2 35		
RUN NO. SIZE- 1 6 5/ 1 5 1/	STIRE	INTERVAL PACINO 1563 PACINO 4376 TO TO	917 SIZE—4	43781 16 46251 16 16	RVAL O 4625† O T.D.

West Texas Electrical Log Service 1305 Commerce Street

Dollas 1, Texas

REFERENCE Nº A 1640 -E

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WELL BA			93	•
COUNTY: EN		STATES. B.		
LOCATION. SE	PEAR			
	. 22 6 19	1. SE		
LOG MAS FROM MERCIAN FROM BRLS. MEAS FROM MERCIAN FROM FRIM. BARNIA		E.F. 40051		
TYPE OF LOS	-		1	
BATE TOTAL BETTH (DELLEN)	100	10-04 6781		
BYECTIVE DEPTH (DELLER)	700	and:		
TOP OF LOGGED INTERVAL	an.	ATER!		
FLUID LIVE.		don't		
NEUTRON SOURCE STRENGTH & TYPE.		2002		
LENGTH OF MEASURING BRYCE - IN.	2.6/2	3.4/2		
TIME CONSTANT - SECONDS.		3.0		
STATISTICAL VARIATION — IN	274		-	
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	ASING RECO	WELL RECORD	- INTERVAL - PROM I	Williams
		10.4447 1 10.4736	400	70 4601
		70 70	*******************	70
REMAI	UCS OR OTH	ER DATA		•

Con 5762

REPRODUCED BY

WEST TEXAS ELECTRICAL LOG SERVICE

1305 Commerce Street Delles 1, Texas

REFERENCE No. A 332-8

> RADICAL HUITY SAME マス にていめ LUG ピグシン COMPANY postion of Well PRI. PRILITIPS STATE PLA COMPANY: COLR & DARTIEN WELL PHILLIPS STATE FLE BX NO.1 VAC UUM COUNTY:__ STATE LEE 660 FYAGI 7-178 R.ME TL. 4090 DF. LOS MEASURED PROM ROT TABLELEVATION 4091 DRILLING MEASURED PROM ROT TABLE REVATION 4091 PERMANENT DATUM 5 1/2BRADEN H. SULVATION 4080-9 RUN NUMBER 1-30-4A 1-30-4A 2-30-48 TYPE OF LOG. DATE 1820 COMPANY DEPTH 1810 MAXIMUM DEPTH REACHED. OIL WELL FLUID. OIL FULL FILL FLUID LIMBL MAXIMUM TEMPERATURE 3 5/8 275 CROWNIL O.D. OF INSTRUMENT—INCHES CROWLL SEMERTIVITY REFERENCE RECORDED BY..... WITNESSED BY DARDEN DARD CASING RECORD OPEN HOLE RECORD RUN NO. SIZE-IN. WT.-LE. INTERVAL AURY TO __TO__ _10. .10. .TO. TO .TO. .10. REMARKS OR OTHER DATA

NEUTRON

CREASES

GAMMA RAY