Oil Production
Tatum (Wolfcamp) Field

	Anderson #1 bopm	Duncan "A" #1-6 bopm	Duncan "B" #1-6 bopm	Monthly Field Production	Cumulative Field production
1957					
October		1,043		1,043	1,043
November		2,378		2,378	3,421
December		5,148		5,148	8,569
Total		8,569		8,569	
1958					
January		4,416		4,416	12,985
February		4,582	276	4,858	17,843
March		5,141	1,449	6,590	24,433
April		4,937	4,286	9,223	33,656
May		4,296	4,785	9,081	42,737
June	729	4,444	4,652	9,825	52,562
July	856	3,975	4,891	9,722	62,284
August	816	4,019	4,990	9,825	72,109
September	757	3,335	4,458	8,550	80,659
October	515	2,317	4,773	7,605	88,264
November	875	4,088	4,481	9,444	97,708
December	537	2,894	4,733	8,164	105,872
Total	5,085	48,444	43,774	97,303	
1959					
January	509	2,979	4,707	8,195	114,067
February	474	467	3,962	4,903	118,970
March	372	1,063	5,002	6,437	125,407
April	253	1,309	4,898	6,460	131,867
May	419	1,498	4,916	6,833	138,700
June	247	1,485	4,632	6,364	145,064
Total 6 mo.	2,274	8,801	28,117	39,192	
July	297	1,232	4,424	5,953	151,071
August	364	1,429	3,984	5,777	156,794
Cumulative Oil as of 8/31/59	8,020	68,475	80,299	156,794	

Summary of 24-hour Well Tests
Tatum (Wolfcamp)Field

Well	Date	TP (psig)	Choke	SPM	Length of Stroke (in)	Oil bopd.	% Cut	GOR
W. D. Anderson #1	7-25-58	0-180	16/64	-	-	50	0	1281
	2-9-59			8	85	34	0	1450
	7-24-59			6½	38	8	4	2290
R. W. Duncan #1-6	11-14-57	910	1/4			345	0	1235
	2-7-59	-	-	9	90	152	-	1100
	4-26-59			8½	120	61	.8	1260
R. W. Duncan "B" #1-6	4-4-58	830	14/64			254	1	1213
	2-7-59	680	17/64			157	-	1298
	7/23-59	680	1/4			171	-	1690
	9-14-59	630	14/64			178		1410

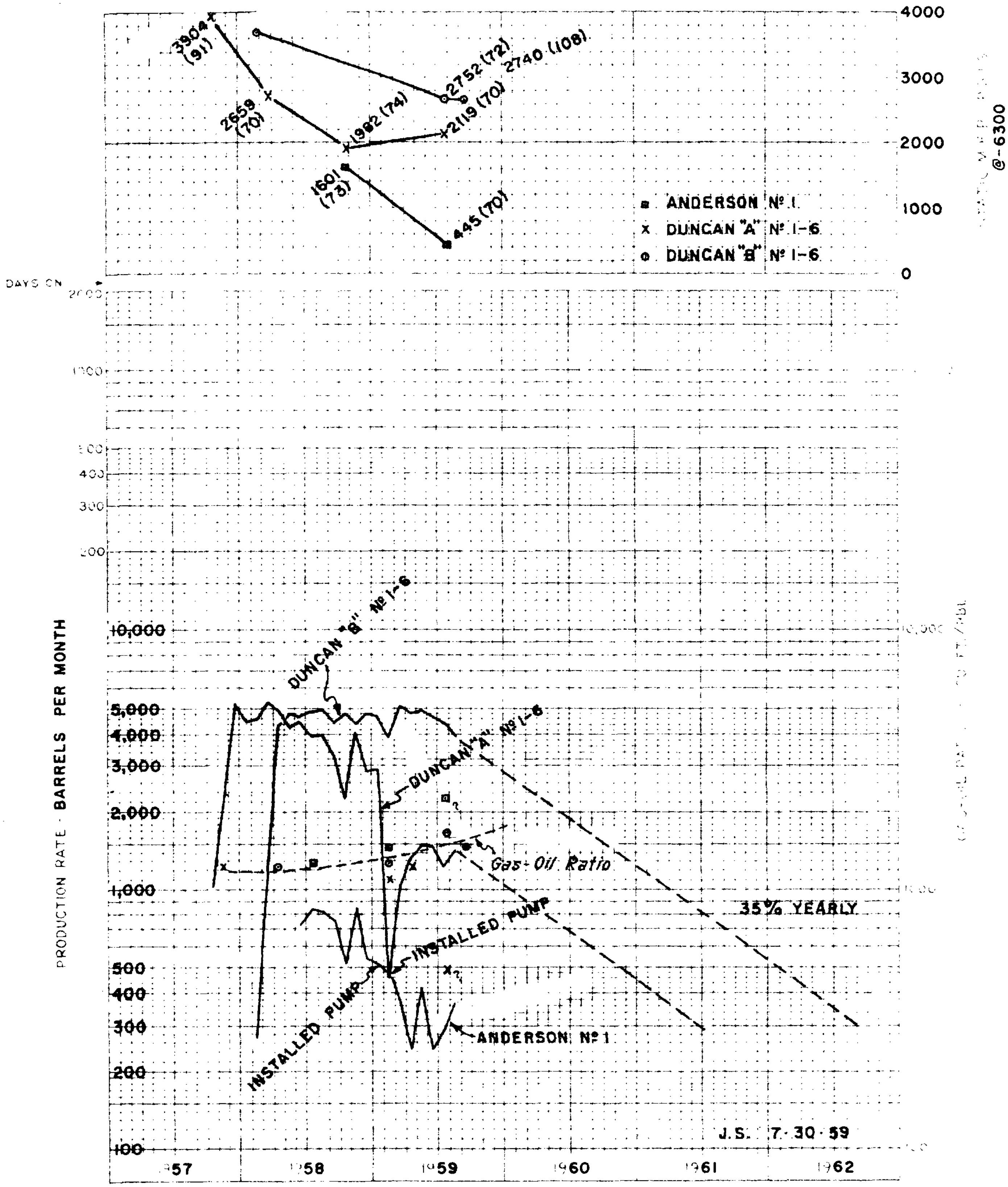
Summary of Bottom Hole
Pressure Tests, @ datum of -6300'
Tatum (Wolfcamp) Field

Date	UCC et al #1 Anderson		UCC et al #1-A Duncan		UCC et al #1-B Duncan	
	BHP	hrs. S.I.	BHP	hrs. S.I.	BHP	hrs. S.I.
10-19-57	Initial field pressure		3904	91		
2-25-58					3684	102
3-17-58			2659	70		
10-27-58	1601	73	1982	74		
7-27-59	445	70	2119	70	2752	72
9-11-59					2740	108

PERFS.

FIELD **TATUM** LEASE

ZONE **WOLFCAMP** WELL No.



FORM 743

Ex 9

VOLUMETRIC RECOVERABLE OIL
RESERVES TATUM (WOLFCAMP) FIELD
LEA COUNTY, NEW MEXICO

Oil-in-Place/ acre-ft. =

$$= \frac{7758 \text{ Bbl/acre-ft.} \times \text{Porosity} \times (1-\text{Water saturation})}{\text{Formation Volume Factor}}$$

$$= \frac{(7758)\ (.067)\ (1-.22)}{1.69}$$

= 240 Bbl/acre-ft.

Extimated Recovery factor = 45%

Recoverable Oil/acre-ft. = 240 x .45
= 108 Bbl/acre-feet

Estimated Productive Acre - Feet in Field
= Productive Surface Acres x Average pay thickness
= 1040 x 19 Feet = 19,760 acre-feet

Estimated Recoverable Oil
= Recovery/acre-feet x acre-feet
= (108) (19,760)
= 2,140,000 bbl.

Recoverable Reserve Estimate
Production Decline Method

Combined Estimate of the Ultimate Recovery for Duncan "A" 1-6) Duncan "B" 1-6)	313,000 bbls.
Acres dedicated	160 acres
Average pay thickness	19 Feet
Estimate Recovery per Acre Foot.	103 bbls.

Area Reasonably Expected to be Productive			1,040 acres
Wells Required with 40 Acre Spacing			26 wells
Wells Required with 80 Acre Spacing			13 wells
Investment @ $180,000 Per Well			
For 40 Acre Spacing (26 Wells)			$4,680,000
For 80 Acre Spacing (13 Wells)			$2,340,000
Ultimate Reserves			
Oil			2,140,000
Gas (no gas connection)			
W.I. Net Operating Income Per Gross Bbl. of Oil Produced Including Income From Gas Produced with Oil			
Value			
Bbl. of oil (43° API)		$3.01	
MCF Gas (No gas connection)		-	
		$3.01	
Costs			
Severance & Advalorum Taxes	$0.18		
Royalty	.60		
Trucking to Pipeline	.26		
Lifting Costs	.26		
		$1.30	
Net Operating income per gross bbl.		$1.71	
W.I. Total Net Operating Income			
2,140,000 bbls. x $1.71/bbl.			$3,660,000
Net Economic Loss for 40-Acre Spacing			
Net Economic Loss per well	($39,200)		($1,020,000)
Net Profit for 80-Acre Spacing			$1,320,000
Net Profit per well	$101,500		

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE