The Eastlan	nd Oil Company	LLASE Arco Fe	oderal :	er enge druggeryer sjögendigsröktredrædissjönt.	· ·
	30' FNL, 1980' FWL			T18S	R31E
				TUNNSHIP	RANGE .
Schematic	entry and completion.	n as injection v	vell <u>Tobular</u>	Data	
		Surface Casing			
	TOC Surf Circ	, -	Feet		Circulation
	8-5/8''@ 694'		feet	determined by	sx.
	TOC 1300' (Calc)		 feet	determined by	h 600 sx.
	Corrossion inhibited packer	Total depth 364	7' (3570') al perforat	ed) feet
	2"	3504' t 3486' t EUE Tbg w/epox csg @ 3570'	0 3474'		!50'
		1 Tension pkr @	BEFOR	RE EXAMINE CONSERVATION EXHIBIT N	R STOGNER N DIVISION NO. 8 - A
Tubing size	2-3/8 FUE lined	with TK-75 (fus	sion applie	d powder epo	xy) / set in a
Baker Mod	el AD-1 Tension	pac	cker at3	450	feet.
	and model) y other casing-tubing	seal).			
Other Data					
	injection formation _	-			
	ld or Pool (if applica				
	ew well drilled for in				
	what purpose was the w		rilled? <u>Ul</u>	i and gas -	
. Use the well	nd abandoned 2-28-71 1 ever been perforated ugging detail (sacks of	in one other 20	ne(s)? lis ge plug(s)	t all such pe used) <u>No zo</u>	rforated intervals
	w/40 sx, 2805-2693 w				
	e w/10 sx.				
5. Give the depthis area.	pth to and name of any Harvey E. Yates Co.	y overlying and/a Power Deep #32	r underlyin " State #1	g wil or gas producing fo	zones (pools) in rom undesignated
Bone Spri	ngs (7742-7926') 1/2	2 mile North.	Only other	producing zo	one in area (1 mile

The	Eastlan	d 0il (Company		Allied	Federal		annense segan maje v králi spolit váloga milospop sempranjamannama	
OPERA	LUK				FFV2F				
- 901 -	N/I	660'	FNL, 19	80' FEL	6 SECT	100	T18S	R31E RANGE	
							10111131111	·	
Produ	Cing we.	II IFOI	п сгауви.	rg. Cor	mpleted 1-17-	- / 1			
	Schema	tin	•			T.	ibular Data		
	<u>Jenema</u>			, TO	3		Judiai Data		
		1 1	1 1	Suri	Surface Cas:				
		1 1					Cemented wi		
		1 1			Toc Surfac	ce	feet determined t	y <u>Circulation</u>	
		1 1			Hole size	11"			
		1 1			*				
		1 1		\exists	Intermediate				
	_	1 1	1 1	4			Cemented wi		-
•	1 1	1 1		8 5/8	TOC		feet determined b	у	
		1 1		@ 679'	Hole size _				
					Long string			450	
			4	Corrosio	$\int_{0}^{5ize} \frac{4 \cdot 1/2}{1}$		Cemented wi	th450	sx.
		1 1		lnhibite Packer	oc 2000		feet determined b	y <u>Calculation</u>	
		1 1		Fluid	Hole size _	7 7/8"			
	·	1 1		TOC	Total depth	3550'			
	77	1 1		@ 2000'	Injection in	h1 (n.	amfamatad)		
		1 1		Calc	•		ŕ		
					3444 (perforated	or open-ho	o 3440 le, indicate which	feet	
					•	to	•	••	
•		1 1			3337'	to	3333'		-
								-	
			-	2" EU	JE tbg w/epox	ky interna	l coating @ 3300	•	
			15	Grayt	ourg gas zone	shut off	by packer		
	25	-	4	— Baker	r AD-1 Tensio	on pag ker (3300'		
	-			\		B	FORE EXAMINE	R STOGNER	
			4	csg.	perfs		OIL CONSERVATIO	N DIVISION	
				3333'	3444	EAS	EXHÎBIT N	0 8 - R	
¹½'' csg)			_		
3550'				/TD 35	550	CASE	NO. 8>86-	8	
	/	/. .			/ 				
Tubing	size /	2 3/8	EUE	_ lined	with TK-/5	(fusion a)	oplied powder end	set in a	
Bal			Tension	າ		_ packer at	3300	feet.	
	• - •	and mo					/ /		
(or de	scribe a	iny othe	er casino	1-tnp1ud	seal).				
Other									
1. Ka	me of th	e inje	ction for	mation .	Grayburg				-
2. Na	me of Fi	eld or	Pool (if	epplic.	able) Power	r Grayburg	- San Andres		-
					njection? <u>/</u>		<u>X</u>		
							Oil and Gas		
1 f	no, 101	wnat	harbase ,	-as LIIE	nuse wregettes	- ,,			
			· · · · · · · · · · · · · · · · · · ·					_	
4. Ha	s the wo	ell eve	r been po	erforate	d in any othe	r zone(s)? bridae nlu	list all such po g(s) used) Addi	erforated intervi tionally	9 l 9
					104 - 31/4 .	1 Tesent 1	y open to well b	0.0, 0.00	
			ff by pa		<u> </u>				
5. Ci	ive the	depth to	o and has	ne of an	y overlying a	n <mark>d/or u</mark> nder 32 State	rlying wil or gas #1 producing fro	zones (pools) i m Bone Springs	n
£ F							ucing zones in a		
	7743	702(1)	in undo	cannata	a maal. NO	OCHET NYOU	CANADA WOLLOW ALL U		

The Eastl	and Oil Company	Kenwood Federal		
	660'FNL & 660' FWL		T18S	R31E
				RANGE
Producing	well from Power Graybu	urg. Completed 4-2-71		•
5che	ematic		Tabular Data	
1/1	TOC	Surface Casing		
	Surface	Size 8 5/8	" Cemented wi	th 350 sx.
		TOC Surface	_ feet determined b	y <u>Circulation</u>
		Hole size 11"		
		Intermediate Casing		
		Size	_ Cemented wit	thsx.
	8 5/8" @	TOC	_ feet determined by	у
	696'	Hole size		••
		Long string		
	Corrosion	Size 4 1/2	_ Cemented wit	th 250 sx.
	Inhibited	10C 2050	_ feet detérmined by	, Calculation
·	Packer Fluid	Hole size 7 7/8"		·
		Total depth 3478' 3455'		
	TOC 2050'	Injection interval		
	Calc.	3441 feet		fact
		(perforated or open-h 3377 to		,
· [4]		3323 to	3315	-
	2" FUE +1	og w/oneyv intermal co	ating 0 7290!	
	2 EUE CC	og w/epoxy internal coa	ating @ 3280'	
	Crowbung	gan mana abut off bu		
		gas zone shut off by p	•	·
	Baker AD-	1 tension packer @ 328		
	Csg. perf		ORÉ EXAMINER ST L'OONSERVATION DI	
	3315' - 3	34411	AAD EXHIBIT NO.	1
1/311	D D D Z 4 5 5			.
1/2" csg 3478'	PBTD 3455 TD 3478'	CASE N	io. <u>8786-87</u>	
Tubing size	2 3/8" PUE line	d with TD-75 (Fusion :	applied powder cpo	(V) set in a
Baker Mod	del AD-1 Tension		at3280	feet
	and and model)			
•	e any other casing-tubin	g \$881/•		
Other Data	the injection formation	Grayburg		
 kame of Name of 	Field or Pool (if appli	coble) Power Graybury	g - San Andres	
	a new well drilled for		<u>/</u> x̄7 No	
	for what purpose was the		d? Oil and Gas	
<u> </u>				
4. Has the	well ever been perforat	ed in any other zone(s)	? List all such pe	rforated intervals
_	e plugging detail (sacks ated in Grayburg gas zo			
	ff by packer.	me 3121 - 3135 and 0	DOLL OF WELL DOLL.	<u> </u>
S Care th	e death to and name of a	ny overlying and/or und	derlying oil or gas	zones (popls) in
this ar	eu. Harvey E. Yates Co	o. Power Deep 32 State	#1 producing from	Bone Springs
in unde	esignated pool. No oth	ner producing zones in	area.	

• 1

The Eastland Oil Company Sibyl Federal . UP! WATOR LLASE	
2 330' FEL & 1650' FNL 1 T18S R30E WELL NO. FUOTAGE LOCATION SECTION TUNNSHIP RANGE	
Producing well from Power Grayburg. Completed 9-4-71	
Schematic Tabular Data	
Surface Cosing Surface 8-5/8 Cemented with 350 TOC Surface feet determined by Circulation 350 Hole size 11" 8-5/80 TOC Feet determined by Hole size Cemented with 250 Long string Size 4-1/2 Cemented with 250 Inhibited Pkr Fluid Feet determined by Calc Hole size 7-7/8 Total depth 3472' 3443'PRTD TOC 2100 Feet determined by Calc Hole size 7-7/8 Feet to 5423 Feet (perforated or open-hole, indicate which) 3312 to 3302 -2" EUE tbg w/epoxy internal coating 0 3280'	sx.
BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION Csg perfs 3302'-3428' EMIMO EXHIBITING. 8-D	
CASE NO. 8786-87	
TD 3472' Tubing size 2-3/8" FUE lined with TK-75 (fusion applied powder epoxy) set in a (material)	
Baker Model AD 1 Tension packer at 3280 feet. (brand and model)	
(brand and model) (or describe any other casing-tubing seal).	
Other Data	
1. Name of the injection formation Grayburg Power Grayburg - San Andres	-
2. Name of Field or Pool (if applicable) Power Grayburg - San Andres 3. 1s this a new well drilled for injection? /7 Yes /XX No	-
If no, for what purpose was the well originally drilled? Oil & Gas	_
4. Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement or bridge plug(s) used) No	als
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Sprin (7742' - 7926') in undesignated pool. No other producing zones in area.	iez iez

induluin - 3300' - 3500'

3550 3519 PB 3845 3827 PB 3520 3497 PB 3478 3455 PB 3560 3536 PB 3530 PB 3570 PB DEPTH TOTAL 3870 3684 3963 3647 3441-3315 3139-3121 3524-3502 3498-3400 3831-3803 3486-3392 COMPLETION 3723-3456 2663-2653 3444-3333 3462-3334 3427-3316 3514-3410 3878-3868 2160-2150 INTERVAL BEFORE EXAMINER STOGNER OIL, CONSERVATION DIVISION None FASTIMEXHIBIT NO. 9 CASE NO. 8>86-8> DETERMINED BY Circ. T. S. Circ. Calc. Circ. Circ. Calc. Calc. Calc. Calc. Circ. Circ. Circ. Circ. Circ. Circ. T.S. Surface Surface 2095 Surface 2050 Surface Surface Surface 2000 Surface 2030 Surface Surface Surface TOP OF CEMENT 2400 2300 350 Lite 250 "C" SACKS CEMENT 350 350 350 250 350 450 350 450 350 250 350 250 350 450 350 250 ATTACHMENT TO FORM C-108 ITEM NO. VI SET AT 3520 696 3478 694 701 3560 700 3870 679 3550 687 3845 657 712 3684 713 3963 TABULATION OF WELL DATA POWER GRAYBURG UNIT 8 5/8 4 1/2 8 5/8 4 1/2 8 5/8 8 5/8 4 1/2 8 5/8 4 1/2 8 5/8 4 1/2 8 5/8 4 1/2 8 5/8 4 1/2 SIZE CASING 8 5/8 4 1/2 Producing Producing Producing Producing Producing Producing PRESENT STATUS P&A 11-09-78 05-10-75 02-28-71 P&Α Ρ&A DATE DRILLED 10-09-70 12-20-70 04-02-71 08-18-70 02-28-71 06-29-78 01-17-71 07-02-71 12-21-70 TYPE OF WELL 011 011 011 011 Dry Dry 011 011 011 LOCATION D-5-18-31C-5-18-31 D-5-18-31 A-6-18-31 8-6-18-31C-6-18-31 E-6-18-31 D-6-18-31 E-5-18-31 The Eastland Oil Company Kenwood Federal Allied Federal ARCO Federal WELL NO. OPERATOR NAME LEASE NAME No. 3 No. 3 No. 1 No. 2 No. 4 2 No 2.

No.

OPERATOR NAME LEASE NAME WELL NO.	LOCATION	TYPE OF WELL	DATE DRILLED	PRESENT	SIZE CASING	SET AT	SACKS CEMENT	TOP OF CEMENT	DETERMINED BY	COMPLETION INTERVAL	TOTAL DEPTH
· 1 • 6%	5-81-9-5	\$*. \$* ()	\$0 1 5 6 6 6 6	Tate: Disp. 08-24-77	13 3 (9 8 5/8	7 <u>0</u> 0	£75 1050	3urface 1300	() [-] () () () ()	\$	4110 23
Sibyl Federal No. 1	A-1-18-30	011	07-09-71	Producing	8 5/8 4 1/2	682 3512	350 250	Surface 2087	Circ. Calc.	3229-3194	3512 3487 PB
No. 2	H-1-18-30	011	09-04-71	Producing	8 5/8 4 1/2	671 3472	350 250	Surface 2100	Circ. Calc.	3428-3302	3472 3443 PB
No. 3	G-1-18-30	011	09-01-83	Producing	8 5/8 4 1/2	692 3698	350 1050 Lite 350 Poz	Surface Surface	Circ. Circ.	3364~3308	3700 3706 PB
	M-31-17-31	Dry	07-11-71	P&A 07-11-71	8 5/8	659	350	Surface	Circ.	None	3564
Ailled State		** ** *,		73.4 05-08-75	\$ 5 '5 4 1/2	3650	350 250	Surface 2225	Calc.	60 60 64 60 60 60 60 60 60	3650 3625 PB
Harvey E. Yates Company Power Deep "32" State No. 1	L-32-17-31	011	04-08-85	Producing	13 3/8 8 5/8 5 1/2	608 3622 9611	500 1400 550	Surface Surface 6600	Circ. Circ. Calc.	7926-7742	11,700 8000 PB
English & Harmon STAGNER No. 1	J-31-17-31	Dry	12-19-56	P&A (03-21-57)	8 1/4 5 1/2	670 4108	30	470 3950	Calc.	2407-2425 60 quarts	4252 2425 PB

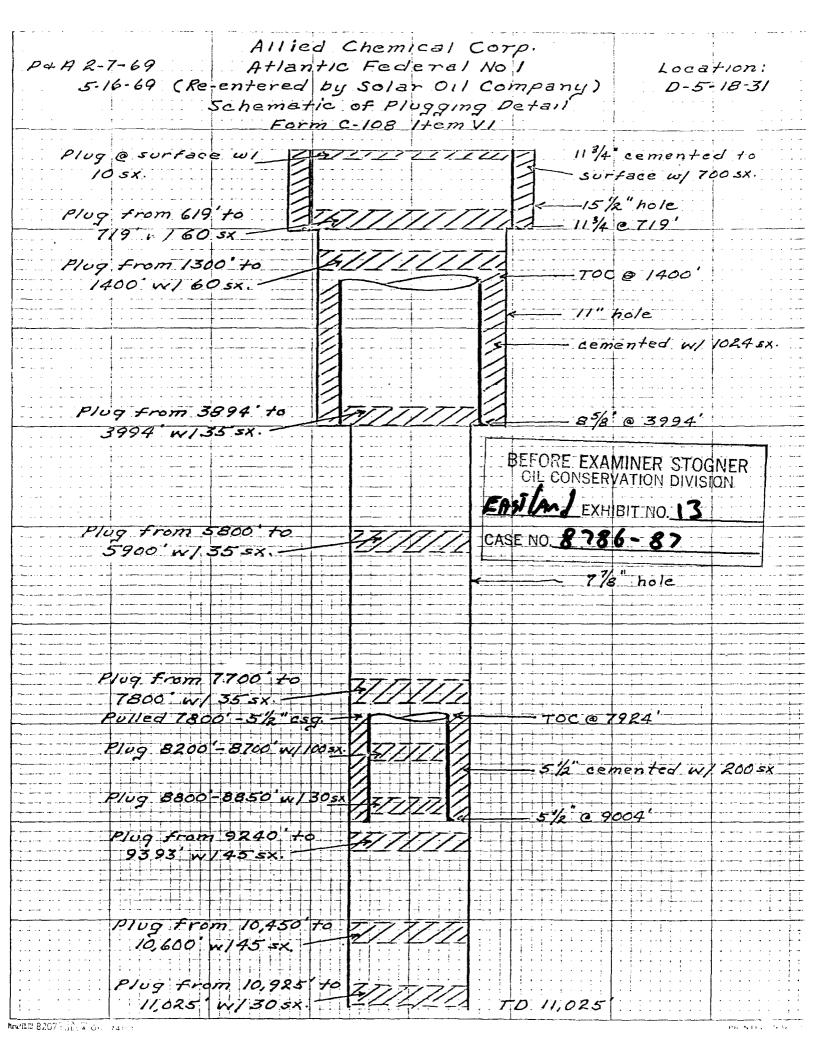
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RATOR NAME LEASE NAME WELL NO.	LOCATION	TYPE OF WELL	DATE DRILLED	PRESENT	SIZE CASING	SET AT	SACKS	TOP OF CEMENT	DETERMINED BY	COMPLETION	TOTAL DEPTH
-entry of above well) est A. Hanson STAGNER No. 1 uld not clean-out below 295')	J-31-17-31	Dry	12-19-56	P&A 03-21-57	8 1/4	670	15	Surface Plug	Circ.		295 PB
est A. Hanson Gulf State No. 1	L-32-17-31	Dry	12-03-56	Ρ&Α 01-18-57	8 5/8 5 1/2	706 3814	100	313 2457	Calc.	None	4059 3814 PB
ied Chemical Atlantic Federal No. 1	D-5-18-31	Dry	02-07-69	P&A	11 3/4 8 5/8	719	700	Surface 1400	Circ. Calc.		11025
-entry of above well) ar Oil Company Atlantic Federal No. 1	0-5-18-31	Dry	05-16-69	P&A	5 1/2	9004	200	7924	Calc.	8850	9004 PB

		The	East	land Oil Co	mpany	
		Arc	o-Fee	deral No.1		;
-		Schem	atic	of Pluggin	g Octail	
•	<u> </u>			-108 1+em	VI	
PYA: 1	1-9-78					ocation: D-5-18-
7	300		////	//////	TAC	
PUM	ped 300				1.0C @ 501	face - circ.
	85/8" cs	7			cemente	dw/350 sx.
10	1000'	7				
4%	csq pull	ed //			· · · / · · · · · · · · · · · · · · · ·	
	+ of colle		///-			
	321	//				
	>				2.5/*	
					8 % csg.	@ 7/2
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				4	· · - i · · · · · · · ·	
			-			
•						
					BEFORE	XAMINER STOCKED
		ļ			OIL CON	EXAMINER STOGNER SERVATION DIVISION
	1	:	111		2 7/	- MOISIAIDIAIDIAI
Ce	ment on l	retainer	1 1_		FASILAND	EXHIBIT NO. /8
	to 1614'			///		
	etainer s		・レン	77/7	CASE NO. 8	186-87
		•				
	gueeged 5					
	1650		++++			
					70C @ 230	oo' by calc.
					7:0C @ 232	oo' by calc.
						oo' by calc.
					- 4 /2" csg. c	emented w/
					- 4 /2" csg. c	
					- 4 /2" csg. c	
					- 4 /2" csg. c	
					- 4 /2" csg. c	
					- 4 1/2" csg. c	
					- 4 1/2" csg. c	
	ment on	SP to			- 4 1/2" csg. c	
	ment en 3288	SP to			- 4 1/2" csg. c	
	3288				4 1/2 " csq. c 250 sx.	emented w/
					4 1/2 " csq. c 250 sx.	
·····	3288				4 /2 csq. c 250 sx.	emented w/
	3288' 18P@350	8'			4 /2 csq. c 250 sx.	emented w/
	3288	8'			4 1/2 " csq. c 250 sx.	emented w/
	3288' 18P@350	8'			4 /2 csq. c 250 sx.	emented w/

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	The	Eastland	Oil Com	pany	!	
		co-Fede				
	Scheme	stic of F	lugaing	Detail		
		Form C-1	08 Hem	VI		
P+A 5-10-					CATION: E-	5-18-31
		////			GALLON STATE	0.70.07_
Plug from su				- 05/ *	· · · · · · · ·	
to 45' w/	13 SX			878 csg	cemented	/ 0
				Surfac	e W/ 3505	X.
				11" hole		
Plug from 65			1 1	85/2° csq.	et @ 713'	
756 W/ 3	SX.	>////				
				† ~ · ~ · · · · · · · · · · · · · · · ·		
		1				
	07000150	1		;		
BEFORE EXAMINER	SIUGNER					
OIL CONSERVATION	1			· · · · · · · · · · · · · · · · · · ·		
EAST/AA EXHIBIT N	0 11	<u> </u>	7	<u> </u>		
Harrier and the manager	.		1/2	s hole		
CASE NO. 8786-8	<i></i>	1				
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				<u> </u>		
Plug From	1580 to ?		Z			
1680' W/	35 3x.					
Cut 4/2" csg				- 20 FA		
and p		77777	100	@ Z030	by temp. s	urrey
C1BP@2100						
7020	60	The FL	Cas	ing perfs	2150-2160	,
		/		~		
CIBP @ 2230						
+0 22	20					
			Cas	ing perf.	s. 2653'-Z	663
C18P @ 2750		37777	<u> </u>			
to 27	40	11				
		 				
			Cas	ing perf.	\$ 3456'-37	23'
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CIBP @ 3800	w/cement/	12777			==	
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	+		- 1	3939'		
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หมากา 8207 โฮลิโล ซี 🕝 🚁						PROTE BUILDING A

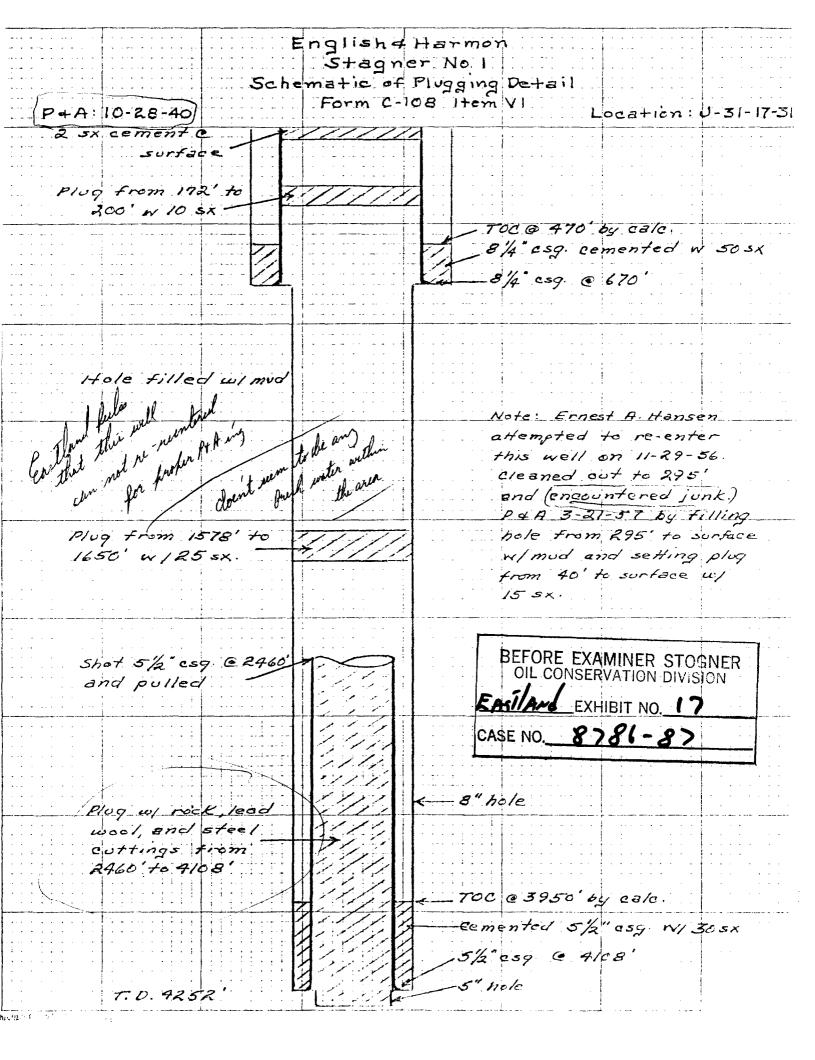
		A >-	astland (co Feder	-01 No.3		P+A 2-2	8-71
		Schema	tic of Pla	gging L	Detail ,	ocation: C	- 5-10-3
· · · · · · · · · · · · · · · · · · ·		For	m C-108	Item VI		.0ca+76n:C	0-/0-0
70	g from 5 30' w/10	SX.	12/2/2				
				É	3 % " csq. c	emented	10
	1				surface w		
		101					
	ug from	10	77777		5/"	1001	
	130 W/	TO SXL 3			5/8" csg. @	694	
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	1710 W	40 sx.	1///	4			
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	2805 0	u/ 40 sx			Li Li Cors		
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				orm c					
P+A:5-	8-75						Loc	ation: M	-32-17-31
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1 10. 9.	5' W/ 15	~X /				/			
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			// -			<u> </u>			
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	from 6		$\mathbb{Z}_{\mathbb{Z}}$	27777	11/	/			
10	748' W/	35 sx [/ 1/				8 % csq. (@ 700'	
				X- <i>[-]</i> -/-/-/	(-/ <u>/</u>			Ŧ - T	
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Plu	9 from	1580	40	//////	///		DECODE EV		
				-5///	///		BEFUKE EX	AMINER STO	GNER
/6	80' W/3	5 5x		<u> </u>	77		OIL CONSE	RVATION DIVI	SION
			[1	1
					- 	E	ASI/AAA FX	HIBIT NO. 14	€ 1.1 . 1 1 . 1 1 1 1
			[· · · · · · · · · · · · · · · · · ·		A REPT NO.	[
					 	CA	NSE NO87	21-27	
						10,	NOE NO	00-01	
	. 1								
									
70	ua from	2117	· +0						
	ug from			46/1/					
	ug from								
2	207'41	35 sx							
2	207'41	35 sx			1//	70	C @ 2225	(ca/c.)	
5/	207 W/	35 sx	·			70	C & 2225	(calc.)	
2	207'41	35 sx	·			70	C @ 2223	(calc.)	
5/	207 W/	35 sx	·			70	C @ 2223	(calc.)	
2	207 W/	35 sx	·			70	C @ 2223	(calc.)	
2	207 W/	35 sx	·				C @ 2223	(calc.)	
2	207 W/	35 sx	·				C @ 2223	(calc.)	
2	207 W/	35 sx	·				C @ 2223	(calc.)	
2	207 W/	35 sx	·				OC @ 2223	(calc.)	
2	207 W/	35 sx	·				OC @ 2223	(ca/c.)	
5/	207 W/	35 sx	·				OC @ 2223	(calc.)	
2	207 W/	35 sx	·						
2	207 W/	35 sx	·			4/2	csq. @ 36	5-0	
5/	207 W/	35 sx	·			4/2		5-0	
5/	207 W/	35 sx	·			4/2	csq. @ 36	5-0	
5/	207 W/	35 sx	·			4/2	csq. @ 36	5-0	
2	207 W/	35 sx	·			4/2	csq. @ 36	5-0	
2	207 W/	35 sx	·			4/2	csq. @ 36	5-0	
5/2	207 W/ hot and 209'-4/	35 sx pulles 2"esq				4/2	csq. @ 36	5-0	
S/ 2 2 2 cene	ROT W/ not and RO9'-4/	35 sx pulles 2"esq				4/2	csq. @ 36	5-0	
S/ 2 2 2	207 W/ hot and 209'-4/	35 sx pulles 2"esq				4/2	csq. @ 36	5-0	
teme 3	207 w/ hot and 209'-4/	35 sx pulled 2"asq BP +0				4/2 Ce	asq. @ 36 mented	5-0' V/250-5X	
teme 3	ROT W/ not and RO9'-4/	35 sx pulled 2"asq BP +0				4/2 Ce	csq. @ 36	5-0' V/250-5X	
teme 3	207 w/ hot and 209'-4/	35 sx pulled 2"asq BP +0				4/2 ce	esq. e 36 mented v	5-0' V/250-5X	
teme 3	207 w/ hot and 209'-4/	35 sx pulled 2"asq BP +0				4/2 Ge C59	asq. @ 36 mented perfs. 30	5-0' V/250-5X	
teme 3	207 w/ hot and 209'-4/	35 sx pulled 2"asq BP +0				4/2 Ge C59	asq. @ 36 mented perfs. 30	5-0' V/250-5X	
teme 3	207 w/ hot and 209'-4/	35 sx pulled 2"asq BP +0				4/2 Ge C59	esq. e 36 mented v	5-0' V/250-5X	
teme 3	207 w/ 209'-4 209'-4 209'-4 200'-4 200'-4 200'-4 200'-4	35 sx pulled 2"asq BP +0				4/2 Ge C59	asq. @ 36 mented perfs. 30	5-0' V/250-5X	

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			ic of Plus				
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		ulf State				
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	F	orm C-108	14000	<i>DC/3//</i>		· · · · · ·
P4A 1-18-57			176111	Loca	ation: L-3	32-17-31
Plug from sur	face 1//	1//////				· · · · · · ·
to 40' w/ 15						
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			77	TOC @ 313	by care.	
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Plug from 59	70' - 1//	4 /////				
to 650' W/ /	55x /		144	85/8" @ 7	06'	
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70.2335 IN	//./3.3//			7 5/2 csg.	@ 2333 8	370
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POWER GRAYBURG UNIT ATTACHMENT TO FORM C-108 ITEM NO. VII INJECTION DATA

1. The daily average rate for each injection well is 375 bbls. per day. A maximum rate of 500 bbls. per day will be injected during fillup. A total volume of 2,700,000 barrels of make-up water will be injected and an equal volume of produced water.

The system will be closed.

3. Average injection pressure is 600 - 800 psi.

Maximum injection pressure is 1,000 psi.

4. Analysis of water from producing formation is attached. Injection water is fresh and will be compatible with the produced water and formation.

5. Injection data:

ARCO #1 - U New Mexico: Perfs 3,415' - 3,449'. Fraced with 18,000 gallons water and 3 lbs. sand/gallon. Injection rate 380 BPD at 1,000 psi. Total injected - 600,000 barrels produced and fresh. Eastland Kenwood Fed #4: Injection perfs. 3,506' - 3,598'. Fraced with 30,000 gallons water frac and 33,000 lbs. sand. Injection rate: maximum - 360 BPD at 875 psi., Average - 240 BPD at 750 psi. Total injected - 250,000 barrels produced.

ITEM NO. VIII GEOLOGICAL DATA

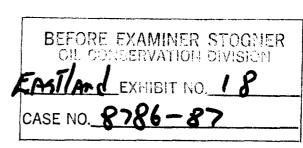
- 1. Injection Zone Grayburg sands. Cross sections attached.
- 2. Drinking water none within radius of two miles around injection wells. All produced water has solids content in excess of 10,000 mg/liter. Penrose formation is immediately above Grayburg and San Andres immediately below. All stock water is hauled into area of proposed unit.

ITEM NO. IX STIMULATION PROGRAM

1. Wells are treated with limited entry in three sand zones usually in the amount of 30,000 gallons water frac with 1 lb. sand/gallon at rates of 25 BPM.

ITEM NO. X LOGGING

1. All logs of wells in Unit have been submitted to Federal agency with a copy for OCD.



ITEM NO. XI

1. No fresh water wells within two miles of injection wells.

- 1343-A

CC:

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

ARTESIA, NEW MEXICO 88210

LABORATORY WATER ANALYSIS

No. W678 & W679-85

To Mr. George	Nea1	This report is the property of Halliburton Company and neither it nor any part thereof for a copy thereof is to be published						
The Eastla	nd Oil Company							
P. O. Box	3485	or disclosed without first securing the express written approve of laboratory management; it may however, be used in the course of regular business operations by any person or concer						
Midland, T	X 79702	and employees thereof receiving such report from Halliburto Company.						
Submitted by Jon Sm	ith	Date Rec	December 5	, 1985				
Well No.	Depth	Formation_		·				
County	Field	Source		•				
·	Kenwood Fed. #1	Sibyl Fed. #3						
Resistivity	.07 @ 70°	.06 @ 70°						
Specific Gravity	1 00 0 600	1.10 @ 60°						
рН	8.5	9.0						
Colcium (Ca)	2,775	3,660		*MPL				
Magnesium (Mg)	3,370	3,500						
Chlorides (CI)		92,000						
Sulfates (SO _a)		Medium		· · · · · · · · · · · · · · · · · · ·				
Bicarbonates (HCO ₃)			71					
Soluble Iron (Fe)	-	Nil						
•								
		-						
Remarks:			*Milligrams p	per liter				
	~	^						
	_ (warren -	Leen	·					
	·	y submitted,	•					
Analyst: Warren Lan	<u>e - Field Engineer</u>	HALLIBURTON	I COMPANY					

NOTICE

The Eastland Oil Company

Power Grayburg Unit

Eddy County, New Mexico

November 20, 1985

Attachment to Form C-108: Statement of Proposed Maximum Injection Pressure for Water Injection Wells

Based on required injection pressure for Eastland's Kenwood Federal No. 4, a saltwater disposal well in the Power Grayburg Pool, a maximum surface pressure of 1000 psi is proposed for this secondary recovery project. A copy of the letter from the Oil Conservation Division dated July 17, 1980 authorizing this surface pressure is attached.

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

EAST A. L EXHIBIT NO. 19

CASE NO. 8786-87

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING GOVERNOR LARRY KEHOE SECRETARY

POST OFFICE 80X 2088 STATE LAND OFFICE BUILDIN SANTA FE, NEW MEXICO 8750 (505) 827-2434

Programme to the second of the

July 17, 1980

Eastland Oil Company
P. O. Drawer 3488
560 One Marienfeld Place
Midland, Texas 79702

Attention: George D. Neal

Re: Kenwood Federal (SWD) No. 4

SE/4 SW/4 Section 6,

Township 18 South, Range 31 East, Eddy County,

New Mexico

Gentlemen:

I have reviewed your request to increase injection pressure in your Kenwood Federal No. 4.

We do not a Now operators to inject at fracture pressures. Therefore, based on your fracture pressure of 1100 psi, you are hereby authorized to inject at a pressure not to exceed 1000 psi surface pressure.

-Very truly yours,

JOE D. RAMEY

Division Director

JDR/MH/og

ATTACHMENT TO FORM C-108, SECTION VII FRACTURE TREATMENTS POWER GRAYBURG POOL EDDY COUNTY, NEW MEXICO

	#3	#2	SIBYL FEDERAL #1	Sport Mexico #44	len #3E	#2	KENWOOD FEDERAL #1	#2	ALLIED FEDERAL #1	#4	ARCO FEDERAL #1	THE EASTLAND OIL COMPANY	OPERATOR LEASE & WELL NO.
	3308-3374	3302-3428 distribution in the state of the s	3194-3229	3506-3598	3315-3441	3316+3427	3334-3462	3333-3444	3392-3486	3400-3524	3410-3514		PERFS TOP-BOTTOM
	14	15 mel 15	16	38	16	19	16	14	15	22	17		NO. OF FEET OPEN
	10,000 GALS	30,000 GALS	30,000 GALS	30,000 GALS	30,000 GALS WTR	15,000 GALS WTR	30,000 GALS WTR		T FLUID				
AVERAGE 11 -	11,000#	30,000#	30,000#	33,000#	30,000#	30,000#	30,000#	30,000#	30,000#	30,000#	30,000#		TREATMENT SAND
1 - WELLS	GELLED KCL WTR	GELLED KCL WTR	GELLED KCL WTR	GELLED WATER	GELLED KCL WTR		TYPE						
	19	25	25	17	23	25	25	25	26.5	20	25		RATE BPM
	2300	2000	1900	2400	2600	2300	2200	2000	2500	2280	2500		TREATING PRESS.
1081	1050	1150	1000	1200	1050	1100	1050	1000	975	1370	950		ISDP
	950	1000	800	1100	950	1000	950	6 6 9	800	1200	600		15 MIN SIP



IN REPLY REFER TO: 3180(060)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Roswell District Office
P. O. Box 1397
Roswell, New Mexico 88201

June 5, 1985

Eastland Oil Company
Attention: George Neal
P.O. Drawer 3488
Midland. TX 79702

Re: Designation of Proposed Power Grayburg Secondary

Recovery Unit, Eddy, County, New Mexico

Gentlemen:

Your application of May 28, 1985, filed with the Bureau of Land Management, Roswell, New Mexico, requests the designation of the Power Grayburg Unit Area, embracing 427.44 acres, more or less, Eddy County, New Mexico, as logically subject to operation under the unitization provisions of the Minerals Leasing Act as amended.

Pursuant to unit plan regulations 43 CFR 3180, the land requested as outlined on your plat marked "Exhibit "A", Power Grayburg-San Andres Pool, Eddy County, New Mexico" is hereby designated as a logical unit area to more properly conserve natural resources by instituting secondary recovery operations.

If conditions are such that modification of said standard form is deemed necessary three copies of the proposed modifications with appropriate justification must be submitted to this office for preliminary approval.

In the absence of any other type of land requiring special provisions or any objections not now apparent, a duly executed agreement identical with said form will be approved if submitted in approvable status within a reasonable period of time. However, notice is hereby given that the right is reserved to deny approval of any executed agreements submitted which, in our opinion, do not have the full commitment of sufficient lands to afford effective control of operations in the unit area.

When the executed agreement is transmitted to the District Manager, Roswell, New Mexico for approval, include the latest status of all acreage. In preparation of Exhibits "A" and "B", follow closely the format of the sample exhibits attached to the standard unit agreement form.

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION

ASTAM EXHIBIT NO. 20

CASE NO. X786-87

Sincerely yours,

Francis R. Cherry, Jr.

District Manager

APPLICATION FOR DESIGNATION OF THE POWER GRAYBURG UNIT AREA EDDY COUNTY, MEW MEXICO

District Manager BUREAU OF LAND MANAGEMENT P. O. Box 1397 Roswell, New Mexico 88201

Gentlemen:

THE EASTLAND OIL COMPANY, P.O. Drawer 3488, Midland, Texas 79702, respectfully requests your consideration and approval of this application for Designation of the Power Grayburg Unit Area, Eddy County, New Mexico, as an area logically subject to development by secondary recovery under a unit plan of operation. The following information is offered in support of the Application:

1. The area sought to be designated as the Power Grayburg Unit Area comprises 427.44 acres in Eddy County, New Mexico, as outlined on the land map attached hereto and marked Exhibit "A". More particularly, the proposed unit area is described as follows:

T.18S., R.30E., NMPM
Sec.1: Lots 1, 2, S/2NE/4
T.18S., R.31E., NMPM
Sec.5: Lots 3, 4
Sec.6: Lots 1 thru 5

The proposed unit is comprised of four Federal producing leases. No other type of land is involved.

- 2. Attached Exhibit "A" is a plat indicating the proposed unit area, Federal lease serial numbers, ownership and subdivision acreages.
- 3. Exhibit "B" is a list of the effected leases, indicating a description of all the lands within the unit area, Federal serial numbers, and ownership of the various tracts.
- 4. Applicant proposes to use a form of Unit Agreement that has been previously approved by your office for secondary recovery operations. The attached form is a modification of a sample which was handed out by Mr. Armando Lopez at a Unit Seminar conducted at Roswell on April 11, 1985. Section 3 has been modified to describe the vertical limits of the unitized formations to be from the top of the Grayburg lime to a depth of 450 feet below the Grayburg lime marker. This top occurs

at 3252' (+442' subsea) in The Eastland Oil Company No.1 Arco Federal well, located 660' from the north line and 810' from the west line of Section 5, T.18S., R.31E., Eddy County, New Mexico.

- 5. A geologic report and supporting maps have been previously filed with your office. It is requested that the geologic report be kept confidential.
- 6. Exhibit "C" is a schedule of Tract Participation indicating the percent of production to be credited to each tract. The allocation formula provides for tract participation based on a 90% cummulative production to January 1, 1985 factor plus a 10% acreage factor.
- 7. A recent meeting of the owners of working interests indicates that 100% commitment is expected. It is the opinion of The Eastland Oil Company, unit operator, that controlled waterflooding under unit operations is in the public interest by increasing the ultimate recovery and will protect the correlative rights of all parties.

THE EASTLAND OIL COMPANY respectfully requests designation of the Powers Grayburg Unit Area and tentative concurrence of the form and language of the attached unit agreement. Your favorable consideration and early approval is appreciated.

> Respectfully submitted, THE EASTLAND OIL COMPANY

Date: 5/28/85 By Cham Eheal:

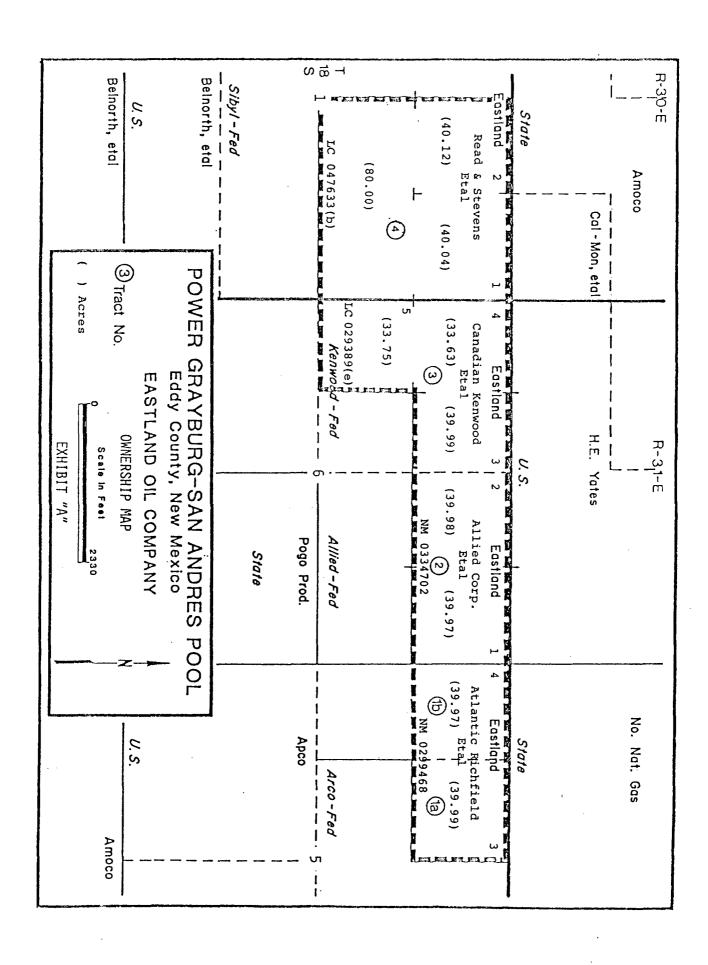


EXHIBIT "B"

SCHEDULE SHOWING ALL LAND AND LEASES WITHIN THE POWER GRAYBURG UNIT AREA EDDY COUNTY, NEW MEXICO

16	l a	TRACT
Sec.5:	T.18S., R.31E. Sec.5: Lot 3	DESCRIPTION OF LAND
39.97	39.99	NUMBER OF ACRES
NM 0299468	NM 0299468 HBP	SERIAL NO. EXP. DATE
U.S. 12.5%	12.5%	BASIC ROYALTY
Atlantic Richfield Company 100%	ALL FEDERAL LANDS Atlantic Richfield At Company 100% Jo	LESSEE OF RECORD AND PERCENTAGE
Atlantic Richfield Company 6.25% John F. Partridge, Jr. 1.50% Associated Royalty Co. 1.50%	ANDS Atlantic Richfield Company 6.25% John F. Partridge, Jr. 1.50% Associated Royalty Co. 1.50%	OVERRIDING ROYALTY AND PERCENTAGE
The Eastland Oil Company Alps Oil Company George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Peggy Donnelly McConnell Jack L. Russell	The Eastland Oil Company Alps Oil Company G.H. Doelling, Jr. George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Marshall & Winston, Inc. William S. Marshall Peggy Donnelly McConnell Jack L. Russell	WORKING INTEREST AND PERCENTAGE
23.863630 15.909090 15.909090 7.954550 7.954550 15.909090	18.750 12.500 12.500 12.500 6.250 6.250 3.125 3.125 12.500	

Page 1 of 3

ω	N	TRACT
Sec.6: Lots 3, 4, 5	T.18S., R.31E. Sec.6: Lots 1, 2	DESCRIPTION OF LAND
107.37	79.95	NUMBER OF ACRES
LC 029389(e)	NM 0334702 НВР	SERIAL NO. EXP. DATE
U.S. Schedule D	U.S. 12.5%	BASIC
Canadian Kenwood Company 93.25% T.R. Parker 6.75%	Allied Corporation 100%	LESSEE OF RECORD AND PERCENTAGE
Canadian Kenwood Company 11.656250% T.R. Parker and Florence Parker 0.843750%	Allied Corporation 7.5% Pearson-Sibert Oil Co. 1.333% A.F. Gilmore Company 1.333% E.B. Hall and Rosemary Hall Bergen 1.333% Robert D. Fitting 1.0000%	OVERRIDING ROYALTY AND PERCENTAGE
The Eastland Oil Company Alps Oil Company G.H. Doelling, Jr. George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Marshall & Winston, Inc. William S. Marshall Peggy Donnelly McConnell Jack L. Russell	The Eastland Oil Company Alps Oil Company G.H. Doelling, Jr. George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Marshall & Winston, Inc. William S. Marshall Peggy Donnelly McConnell Jack L. Russell	WORKING INTEREST AND PERCENTAGE
18.750 12.500 12.500 12.500 6.250 6.250 3.125 3.125 3.125 12.500	18.750 12.500 12.500 12.500 6.250 6.250 3.125 3.125 12.500	

42		TRACT
Sec.1: . Lots 1, 2 S/2NE/4	T.18S., R.30E.	DESCRIPTION OF LAND
160.16		NUMBER OF ACRES
LC 047633(b) HBP		SERIAL NO. EXP. DATE
U.S. Schedule D		BASIC ROYALTY
Read & Stevens, Inc. 100%		LESSEE OF RECORD AND PERCENTAGE
Sibyl Vivian Perry and Richard L. Perry 6.25%		OVERRIDING ROYALTY AND PERCENTAGE
Read & Stevens, Inc. The Eastland Oil Company Alps Oil Company G.H. Doelling, Jr. George A. Donnelly, Jr. George A. Donnelly, Jr. Trustee of the Trust for George A. Donnelly, III George A. Donnelly, III George A. Donnelly, Jr. Trustee of the Trust for Marion Jan O'Neill George A. Donnelly Fichard Donnelly Richard Donnelly Richa		WORKING INTEREST AND PERCENTAGE
0.000000 18.7500000 12.5000000 12.5000000 4.1666666 4.1666666 4.1666666 6.2500000 3.1250000 12.5000000		

RECAPITULATION: 5 Tracts 4 Federal Leases 427.44 Acres 100% Federal

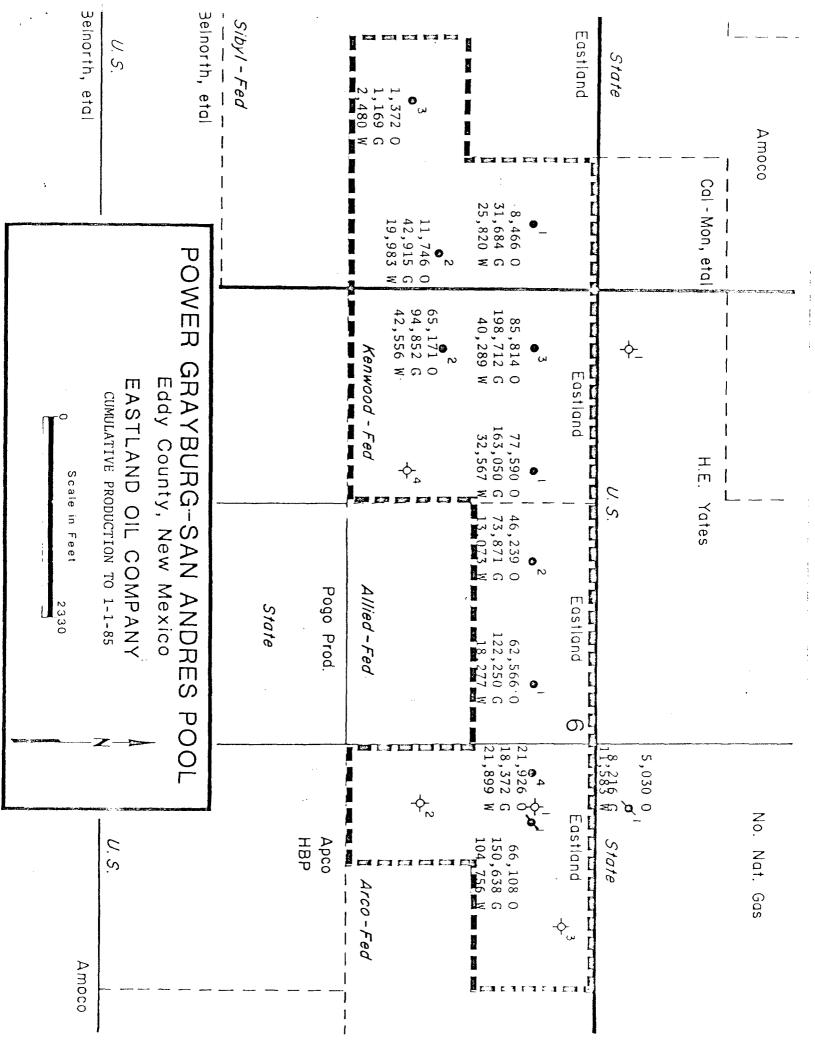
Page 3 of 3

EXHIBIT "C"

SCHEDULE OF TRACT PARTICIPATION
THE EASTLAND OIL COMPANY
POWER GRAYBURG UNIT
EDDY COUNTY, NEW MEXICO

11a 11b 22 3	TRACT
	ACT
39.99 39.97 79.95 107.37 160.16 472.44	TRACT
9.355699 9.351020 18.704380 25.119315 37.469586 100.000000	ACRES
0 88034 108805 228575 21584 446998	TRACT CUM. OIL
0.000000 19.694495 24.341272 51.135576 4.828657	PERCENT
0.935570 0.935102 1.870438 2.511931 3.746959 10.000000	10% ACRES
0.00000 17.725046 21.907145 46.022018 4.345791 90.000000	90% CUM.
0.935570 18.660148 23.777583 48.533949 8.092750 100.000000	TRACT PART. %

TRACT PARTICIPATION: 90% Cummulative to 1-1-85 + 10% Acreage



FOR THE

POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

BEFORE EXAMINER STOCKER
OIL CONSERVATION DIVISION
EAST AND EXHIBIT NO. 2 1
CASE NO. 8786-87

FOR THE

POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

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POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

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Exhibit "A" (Map of Unit Area)
Exhibit "B" (Schedule of Ownership)
Exhibit "C" (Schedule of Tract Participation)

UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE POWER GRAYBURG UNIT EDDY COUNTY, NEW MEXICO

THIS	AGREEMENT,	entere	d into	as of	the			day of
		,	1 9 8	, by	and	betwee	en the	parties
subscribin	g, ratifyi	ng, or	consen	ting h	nereto	, and l	herein	referred
to as the	"parties he	ereto",						

WITNESSETH:

WHEREAS, the parties hereto are the owners of working, royalty, or other oil and gas interests in the Unit Area subject to this Agreement; and

WHEREAS, the Mineral Leasing Act of February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. Secs. 181 et seq., authorizes Federal lessees and their representatives to unite with each other, or jointly or separately with others, in collectively adopting and operating a cooperative or unit plan of development or operation of any oil or gas pool, field, or like area, or any part thereof for the purpose of more properly conserving the natural resources whenever determined and certified by the Secretary of the Interior to be necessary or advisable in the public interest; and

WHEREAS, the Oil Conservation Division of the State of New Mexico (hereinafter referred to as the "Division") is authorized by an Act of the Legislature (Chapter 72, Laws of 1935 as amended) (Chapter 70, Article 2, Section 2 et seq., New Mexico Statutes 1978 Annotated) to approve this Agreement and the conservation provisions hereof; and

WHEREAS, the Oil Conservation Division of the Energy and Minerals Department of the State of New Mexico is authorized by law (Chapter 65, Article 3 and Article 14, N.M.S. 1953 Annotated) to approve this Agreement and the conservation provisions hereof; and

WHEREAS, the parties hereto hold sufficient interest in the Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area subject to this Agreement under the terms, conditions, and limitations herein set forth; NOW, THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this Agreement their respective interest in the below defined Unit Area, and agree severally among themselves as follows:

SECTION 1. ENABLING ACT AND REGULATIONS. The Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder or valid, pertinent, and reasonable regulations hereafter issued thereunder are accepted and made a part of this Agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this Agreement; and as to non-Federal lands, the oil and gas operating regulations in effect as of the Effective Date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of the state in which the non-Federal land is located, are hereby accepted and made a part of this Agreement.

- SECTION 2. UNIT AREA AND DEFINITIONS. For the purpose of this Agreement, the following terms and expressions as used herein shall mean:
- (a) "Unit Area" is defined as those lands described in Exhibit "B" and depicted on Exhibit "A" hereof, and such land is hereby designated and recognized as constituting the Unit Area, containing 427.44 acres, more or less, in Eddy County, New Mexico.
- (b) "Division" is defined as the Oil Conservation Division of the Department of Energy and Minerals of the State of New Mexico.
- (c) "Authorized Officer" or "A.O." is any employee of the Bureau of Land Management who has been delegated the required authority to act on behalf of the BLM.
- (d) "Secretary" is defined as the Secretary of the Interior of the United States of America, or his duly authorized delegate.
- (e) "Department" is defined as the Department of the Interior of the United States of America.
- (f) "Proper BLM Office" is defined as the Bureau of Land Management office having jurisdiction over the federal lands included in the Unit Area.

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- (g) "Unitized Formation" shall mean that interval underlying the Unit Area, the vertical limits of which extend from an upper limit described as 450 feet above mean sea level or at the top of the Grayburg formation, whichever is highter, to a lower limit at the base of the Grayburg formation; the geologic markers having been previously found to occur at 3,252 feet and 3,536 feet, respectively, in The Eastland Oil Company's No. 1 Arco-Federal well (located at 660 feet FNL and 810 feet FWL of Section 5, Township 18 South, Range 31 East, Eddy County, New Mexico) as recorded on the Schlumberger Sidewall Neutron Porosity Log taken on August 11 and 12, 1970, said log being measured from a kelly drive bushing elevation of 3,694 feet above sea level.
- (h) "Unitized Substances" are all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons, other than outside substances, within and produced from the Unitized Formation.
- (i) "Tract" is each parcel of land described as such and given a Tract number in Exhibit "B".
- (j) "Tract Participation" is defined as the percentage of participation shown on Exhibit "C" for allocating Unitized Substances to a Tract under this Agreement.
- (k) "Unit Participation" is the sum of the percentages obtained by multiplying the working interest of a Working Interest Owner in each Tract by the Tract Participation of such Tract.
- (1) "Working Interest" is the right to search for, produce and acquire Unitized Substances whether held as an incident of ownership of mineral fee simple title, under an oil and gas lease, operating agreement, or otherwise held, which interest is chargeable with and obligated to pay or bear, either in cash or out of production, or otherwise, all or a portion of the cost of drilling, developing and producing the Unitized Substances from the Unitized Formation and operations thereof hereunder. Provided that any royalty interest created out of a working interest subsequent to the execution of this Agreement by the owner of the working interest shall continue to be subject to such working interest burdens and obligations.
- (m) "Working Interest Owner" is any party hereto owning a Working Interest, including a carried working interest owner, holding an interest in Unitized Substances by virtue of a lease, operating agreement, fee title or otherwise. The owner of oil and gas rights that are free of lease or other instrument creating a Working Interest in another shall be regarded as a Working Interest Owner to the extent of seven-eighths (7/8) of

his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

- (n) "Royalty Interest" or "Royalty" is an interest other than a Working Interest in or right to receive a portion of the Unitized Substances or the proceeds thereof and includes the royalty interest reserved by the lessor or by an oil and gas lease and any overriding royalty interest, oil payment interest, net profit contracts, or any other payment or burden which does not carry with it the right to search for and produce unitized substances.
 - (o) "Royalty Owner" is the owner of a Royalty Interest.
- (p) "Unit Operating Agreement" is the agreement entered into by and between the Unit Operator and the Working Interest Owners as provided in Section 9, infra, and shall be styled "Unit Operating Agreement, Power Grayburg Unit, Eddy County, New Mexico".
- (q) "Oil and Gas Rights" is the right to explore, develop and operate lands within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof.
- (r) "Outside Substances" is any substance obtained from any source other than the Unitized Formation and injected into the Unitized Formation.
- (s) "Unit Manager" is any person or corporation appointed by Working Interest Owners to perform the duties of Unit Operator until the selection and qualification of a successor Unit Operator as provided for in Section 7 hereof.
- (t) "Unit Operator" is the party designated by Working Interest Owners under the Unit Operating Agreement to conduct Unit Operations.
- (u) "Unit Operations" is any operation conducted pursuant to this Agreement and the Unit Operating Agreement.
- (v) "Unit Equipment" is all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the joint account for use in Unit Operations.
- (w) "Unit Expense" is all cost, expense, or indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this Agreement and the Unit Operating Agreement for or on account of Unit Operations.

(x) "Effective Date" is the date determined in accordance with Section 24.

EXHIBITS. The following exhibits SECTION incorporated herein by reference. Exhibit "A" attached hereto is a map showing the Unit Area and the boundaries and identity of tracts and leases in said Unit Area to the extent known to the "B" attached hereto is a schedule Unit Operator. Exhibit showing, to the extent known to the Unit Operator, the acreage comprising each Tract, percentages and kind of ownership of oil and gas interests in all land in the Unit Area. Exhibit "C" attached hereto shows the Tract Participation of each Tract in However, nothing herein or in said schedule or the Unit Area. map shall be construed as a representation by any party hereto as to the ownership of any interest other than such interest or interests as are shown in said map or schedule as owned by such party. The shapes and descriptions of the respective Tracts have been established by using the best information available. Working Interest Owner is responsible for supplying Unit Operator with accurate information relating to each Working Interest Owner's interest. If it subsequently appears that any Tract, because of diverse royalty or working interest ownership on the Effective Date hereof, should be divided into more than one Tract, or when any revision is requested by the A.O., or any correction of any error other than mechanical miscalculations or clerical is needed, then the Unit Operator, with the approval of the Working Interest Owners, may correct the mistake by revising the exhibits to conform to the facts. The revision shall not engineering include any reevaluation οf or geological interpretations used in determing Tract Participation. Each such revision of an exhibit made prior to thirty (30) days after the Effective Date shall be effective as of the Effective Date. Each other such revision of any exhibit shall be effective at 7:00 a.m. on the first day of the calendar month next following the filing for record of the revised exhibit or on such other date as may be determined by Working Interest Owners and set forth in the Not less than four (4) copies of such revision revised exhibit. In any such revision, there shall shall be filed with the A.O. be no retroactive allocation or adjustment of Unit Expense or of interests in the Unitized Substances produced, or proceeds thereof.

SECTION 4. EXPANSION. The above described Unit Area may, with the approval of the A.O., when practicable be expanded to include therein any additional Tract or Tracts regarded as reasonably necessary or advisable for the purposes of this Agreement provided, however, in such expansion there shall be no retroactive allocation or adjustment of Unit Expense or of the

interests in the Unitized Substances produced, or proceeds thereof. Pursuant to Subsection (b), the Working Interest Owners may agree upon an adjustment or investment by reason of the expansion. Such expansion shall be effected in the following manner:

- (a) The Working Interest Owner or Owners of a Tract or Tracts desiring to bring such Tract or Tracts into this unit, shall file an application therefor with Unit Operator requesting such admission.
- (b) Unit Operator shall circulate a notice of the proposed expansion to each Working Interest Owner in the Unit Area and in the Tract proposed to be included in the unit, setting out the basis for admission, the Tract Participation to be assigned to each Tract in the enlarged Unit Area and other pertinent data. After negotiation (at Working Interest Owners' meeting or otherwise) if at least three Working Interest Owners having in the aggregate seventy-five percent (75%) of the Unit Participation then in effect have agreed to inclusion of such Tract or Tracts in the Unit Area, then Unit Operator shall:
- (1) After obtaining preliminary concurrence by the A.O., prepare a notice of proposed expansion describing the contemplated changes in the boundaries of the Unit Area, the reason therefor, the basis for admission of the additional Tract or Tracts, the Tract Participation to be assigned thereto and the proposed effective date thereof; and,
- (2) Deliver copies of said notice to the A.O. at the Proper BLM Office, each Working Interest Owner and to the last known address of each lessee and lessor whose interests are affected, advising such parties that thirty (30) days will be allowed for submission to the Unit Operator of any objection to such proposed expansion; and,
- (3) File, upon the expiration of said thirty (30) day period as set out in (2) immediately above with the A.O. the following: (a) evidence of mailing or delivering copies of said notice of expansion; (b) an application for approval of such expansion; (c) an instrument containing the appropriate joinders in compliance with the participation requirements of Section 14 and Section 34, infra; and (d) a copy of all objections received along with the Unit Operator's response thereto.

The expansion shall, after due consideration of all pertinent information and approval by the A.O., become effective as of the date prescribed in the notice thereof, preferably the first day of the month subsequent to the date of notice. The revised Tract Participation of the respective Tracts included within the Unit Area prior to such enlargement shall remain the same ratio one to another.

SECTION 5. UNITIZED LAND. All land committed to this Agreement as to the Unitized Formation shall constitute land referred to herein as "Unitized Land" or "Land subject to this Agreement". Nothing herein shall be construed to unitize, pool, or in any way affect the oil, gas and other minerals contained in or that may be produced from any formation other than the Unitized Formation as defined in Section 2(g) of this Agreement.

SECTION 6. UNIT OPERATOR. The Eastland Oil Company is hereby designated the Unit Operator, and by signing this instrument as Unit Operator, agrees and consents to accept the duties and obligations of Unit Operator for the operation, development, and production of Unitized Substances as herein provided. Whenever reference is made herein to the Unit Operator, such reference means the Unit Operator acting in that capacity and not as an owner of interests in Unitized Substances, when such interests are owned by it and the term "Working Interest Owner" when used herein shall include or refer to the Unit Operator as the owner of a Working Interest when such an interest is owned by it.

Unit Operator shall have lien upon interests of Working Interest Owners in the Unit Area to the extent provided in the Unit Operating Agreement.

SECTION 7. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of six (6) months after written notice of intention to resign has been given by Unit Operator to all Working Interest Owners and the A.O., unless a new Unit Operator shall have taken over and the assumed duties and obligations of Unit Operator prior to the expiration of said period.

The Unit Operator shall, upon default or failure in the performance of its duties and obligations hereunder, be subject to removal by Working Interest Owners having in the aggregate eighty percent (80%) or more of the Unit Participation then in effect exclusive of the Working Interest Owner who is the Unit Operator. Such removal shall be effective upon notice thereof to the A.O.

In all such instances of effective resignation or removal, until a successor to Unit Operator is selected and approved as hereinafter provided, the Working Interest Owners shall be jointly responsible for the performance of the duties of the Unit

Operator and shall, not later than thirty (30) days before such resignation or removal becomes effective, appoint a Unit Manager to represent them in any action to be taken hereunder.

The resignation or removal of the Unit Operator under this Agreement shall not terminate its right, title or interest as the owner of a Working Interest or other interest in Unitized Substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession records, of all wells, equipment, books and materials, appurtenances and any other assets used in connection with the Unit Operations to the new duly qualified successor Unit Operator or to the Unit Manager if no such new Unit Operator is elected. Nothing therein shall be construed as authorizing the removal of equipment or appurtenances needed for the material, Nothing herein contained shall be preservation of any wells. construed to relieve or discharge any Unit Operator or Unit Manager who resigns or is removed hereunder from any liability or duties accruing or performable by it prior to the effective date of such resignation or removal.

SECTION 8. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender its resignation as Unit Operator or shall be removed as hereinabove provided, the Working Interest Owners shall select a successor Unit Operator as herein provided. Such selection shall not become effective until (a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the A.O. If no successor Unit Operator or Unit Manager is selected and qualified as herein provided, the A.O. may declare this Agreement terminated.

In selecting a successor Unit Operator, the affirmative vote of three (3) or more Working Interest Owners having a total of sixty-five percent (65%) or more of the total Unit Participation shall prevail; provided that if any one Working Interest Owner has a Unit Participation of more than thirty-five percent (35%), its negative vote or failure to vote shall not be regarded as sufficient unless supported by the vote of one or more other Working Interest Owners having a total Unit Participation of at least five percent (5%). If the Unit Operator who is removed votes only to succeed itself or fails to vote, the successor Unit Operator may be selected by the affirmative vote of the owners of at least seventy-five percent (75%) of the Unit Participation remaining after excluding the Unit Participation of Unit Operator so removed.

SECTION 9. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. Costs and expenses incurred by Unit Operator in

conducting Unit Operations hereunder shall be paid, apportioned among and borne by the Working Interest Owners in accordance with the Unit Operating Agreement. Such Unit Operating Agreement shall also provide the manner in which the Working Interest shall Ъe entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases or other contracts and such other rights and obligations as between Unit Operator and the Working Interest Owners as may be agreed upon by the Unit Operator and the Working Interest Owners; however, no such Unit Operating Agreement shall be deemed either to modify any of the terms and conditions of this Agreement or to relieve the Unit Operator of any right or obligation established under this Agreement, and in case of any inconsistency or conflict between this Agreement and the Unit Operating Agreement, this Agreement shall prevail. Copies of any Unit Operating Agreement executed pursuant to this Section shall be filed with the A.O. at the Proper BLM office as required prior to approval of this Agreement.

RIGHTS AND OBLIGATIONS OF UNIT OPERATOR. SECTION 10. Except as otherwise specifically provided herein, the exclusive right, privilege and duty of exercising any and all rights of the parties hereto including surface rights which are necessary or convenient for prospecting for, producing, storing, allocating and distributing the Unitized Substances are hereby delegated to and shall be exercised by the Unit Operator as herein provided. Upon request, acceptable evidence of title to said rights shall be deposited with said Unit Operator, and together with this Agreement, shall constitute and define the rights, privileges and obligations of Unit Operator. Nothing herein, however, shall be construed to transfer title to any land or to any lease or it being understood that under this agreement, Agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

SECTION 11. PLAN OF OPERATIONS. It is recognized and agreed by the parties hereto that all of the land subject to this Agreement is reasonably proved to be productive of Unitized Substances and that the object and purpose of this Agreement is to formulate and put into effect an improved recovery project in order to effect additional recovery of Unitized Substances, prevent waste and conserve natural resources. Unit Operator shall have the right to inject into the Unitized Formation any substance for secondary recovery or enhanced recovery purposes in accordance with a Plan of Operation approved by the Working Interest Owners, the A.O. and the Division, including the right to drill and maintain injection wells on the Unitized Land and

completed in the Unitized Formation, and to use abandoned well or wells producing from the Unitized Formation for said purpose. Subject to like approval, the Plan of Operation may be revised as conditions may warrant.

The initial Plan of Operation shall be filed with the A.O. the Division concurrently with the filing of this Unit Agreement for final approval. Said initial Plan of Operations and all revisions thereof shall be as complete and adequate as the A.O. and the Division may determine to be necessary for timely operation consistent herewith. Upon approval of this Agreement and the initial plan by the A.O., said plan, and all subsequently approved plans, shall constitute the operating obligations of the Unit Operator under this Agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the Unit Operator shall submit for like approval a plan for an additional specified period of operations. After such operations are commenced, reasonable diligence shall be exercised by the Unit Operator in complying with the obligations of the approved Plan of Operation.

Notwithstanding anything to the contrary herein contained, should the Unit Operator fail to commence Unit Operations for the secondary recovery of Unitized Substances from the Unit Area within eighteen (18) months after the effective date of this Agreement, or any extension thereof approved by the A.O., this Agreement shall terminate automatically as of the date of default.

SECTION 12. USE OF SURFACE AND USE OF WATER. The parties to the extent of their rights and interests, hereby grant to Unit Operator the right to use as much of the surface, including the water thereunder, of the Unitized Land as may reasonably be necessary for Unit Operations.

Unit Operator's free use of water or brine or both for Unit Operations, shall not include any water from any well, lake, pond or irrigation ditch of a surface owner, unless approval for such use is granted by the surface owner.

Unit Operator shall pay the surface owner for damages to growing crops, fences, improvements and structures on the Unitized Land that result from Unit Operations, and such payments shall be considered as items of Unit Expense to be borne by all the Working Interest Owners of lands subject hereto.

SECTION 13. TRACT PARTICIPATION. In Exhibit "C" attached hereto there are listed and numbered the various Tracts within the Unit Area, and set forth opposite each Tract are figures

which represent the Tract Participation, during Unit Operations if all Tracts in the Unit Area qualify as provided herein. The Tract Participation of each Tract as shown in Exhibit "C" was determined in accordance with the following formula:

Tract Participation = 90% A/B + 10% C/D

- A = the Tract Cumulative Oil Production from the Unitized Formation as of December 31, 1984
- B = the Unit Total Cumulative Oil Production from the Unitized Formation as of December 31, 1984
- C = the surface acres in each Tract in the Unit Area as recorded by the United States Public Land Surveys
- D = the summation of the surface acres in all Tracts in the Unit Area

In the event less than all Tracts are qualified on the Effective Date hereof, the Tract Participation shall be calculated on the basis of all such qualified Tracts rather than all Tracts in the Unit Area.

- SECTION 14. TRACTS QUALIFIED FOR PARTICIPATION. On and after the Effective Date hereof, the Tracts within the Unit Area which shall be entitled to participation in the production of Unitized Substances shall be those Tracts more particularly described in Exhibit "B" that corner or have a common boundary (Tracts separated only by a public road or a railroad right-ofway shall be considered to have a common boundary), and that otherwise qualify as follows:
- (a) Each Tract as to which Working Interest owners owning one hundred percent (100%) of the Working Interest have become parties to this Agreement and as to which Royalty Owners owning seventy-five percent (75%) or more of the Royalty Interest have become parties to this Agreement.
- (b) Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this Agreement, and as to which Royalty Owners owning less than seventy-five percent (75%) of the Royalty Interest have become parties to this Agreement, and as to which (1) the Working Interest Owner who operates the Tract and Working Interest Owners owning at least seventy-five percent (75%) of the remaining Working Interest in such Tract have joined in a request for the inclusion of such Tract, and as to which (2) Working Interest

Owners owning at least seventy-five percent (75%) of the combined Unit Participation in all Tracts that meet the requirements of Section 14(a) above have voted in favor of the inclusion of such Tract.

Each Tract as to which Working Interest Owners owning less than one hundred percent (100%) of the Working Interest have become parties to this Agreement, regardless of the percentage of Royalty Interest therein that is committed hereto; and as to which (1) the Working Interest Owner who operates the Tract and Working Interest Owner owning at least seventy-five percent (75%) of the remaining Working Interest in such Tract who have become parties to this Agreement have joined in a request for inclusion of such Tract, and have executed and delivered, or obligated themselves to execute and deliver an indemnity agreement indemnifying and agreeing to hold harmless the other owners of committed Working Interests, their successors and assigns, against all claims and demands that may be made by the owners of Working Interest in such Tract who are not parties to this Agreement, and which arise out of the inclusion of the Tract; and as to which (2) Working Interest Owners owning at least seventyfive percent (75%) of the Unit Participation in all Tracts that meet the requirements of Section 14(a) and 14(b) have voted in favor of the inclusion of such Tract and to accept the indemnity Upon the inclusion of such a Tract, the Tract agreement. would have been attributed which to Participations nonsubscribing owners of Working Interest in such Tract, had they parties to this Agreement and the Unit Agreement, shall be attributed to the Working Interest Owners in such Tract who have become parties to such agreements, and joined in the indemnity agreement, in proportion to their respective Working Interests in the Tract.

If on the Effective Date of this Agreement there is any Tract or Tracts which have not been effectively committed to or made subject to this Agreement by qualifying as above provided, then such Tract or Tracts shall not be entitled to participate Unit Operator shall, when submitting this Agreement hereunder. for final approval by the A.O. file therewith a schedule of those tracts which have been committed and made subject to this Agreement and are entitled to participate in Unitized Substances. Said schedule shall set forth opposite each such committed Tract the lease number or assignment number, the owner of record of the lease, and the percentage participation of such Tract which shall be computed according to the participation formula set forth in Section 13 (Tract Participation) above. This schedule of participation shall be revised Exhibit "C", and upon approval thereof by the A.O., shall become a part of this Agreement and shall govern the allocation of production of Unitized Substances until a new schedule is approved by the A.O.

ALLOCATION OF UNITIZED SUBSTANCES. Unitized Substances produced and saved (less, save and except any part of such Unitized Substances used in conformity with good operating practices on Unitized Land for drilling, operating, camp and other production or development purposes and for injection or unavoidable loss in accordance with a Plan of Operation approved by the A.O.) shall be apportioned among to the qualified Tracts in accordance with respective Tract Participations effective hereunder during respective periods such Unitized Substances were produced, as set forth in the schedule of participation in Exhibit "C". amount of Unitized Substances so allocated to each Tract, only that amount (regardless of whether it be more or less than the amount of the actual productive of Unitized Substances from the well or wells, if any, on such Tract) shall, for all intents, uses and purposes, be deemed to have been produced from such Tract.

The Unitized Substances allocated to each Tract shall be distributed among, or accounted for, to the parties entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions, as they would have participated and shared in the production from such Tracts, or in the proceeds thereof, had this Agreement not been entered into; and with the same legal force and effect.

No Tract committed to this Agreement and qualified for participation as above provided shall be subsequently excluded from participation hereunder on account of depletion of Unitized Substances.

If the Working Interest and/or the Royalty Interest in any Tract are divided with respect to separate parcels or portions of such Tract and owned now or hereafter in severalty by different persons, the Tract Participation shall in the absence of a recordable instrument executed by all owners in such Tract and furnished to Unit Operator fixing the divisions of ownership, be divided among such parcels or portions in proportion to the number of surface acres in each.

The Unitized Substances allocated to each Tract shall be delivered in kind to the respective parties entitled thereto by virtue of the ownership of oil and gas rights therein. Each such party shall have the right to construct, maintain and operate all necessary facilities for that purpose within the Unitized Area, provided the same are so constructed, maintained and operated as not to interfere with Unit Operations. Subject to Section 17 hereof, any extra expenditure incurred by Unit Operator by reason of the delivery in kind of any portion of the Unitized Substances shall be borne by the party taking delivery. In the event any Working Interest Owner shall fail to take or otherwise adequately dispose of its proportionate share of the production from the

Unitized Formation, then so long as such condition continues, Unit Operator, for the account and at the expense of the Working Interest Owner of the Tract or Tracts concerned, and in order to avoid curtailing the operation of the Unit Area, may, but shall not be required to, sell or otherwise dispose of such production to itself or to others, provided that all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one (1) year, and at not less than the prevailing market price in the area for like production, and the of such Working Interest Owner shall be therewith, as having received such production. The net proceeds, if any, of the Unitized Substances so disposed of by Unit Operator shall be paid to the Working Interest Owner of the Tract Notwithstanding the foregoing, or Tracts concerned. Operator shall not make a sale into interstate commerce of any Working Interest Owner's share of gas production without first giving such Working Interest Owner sixty (60) days' notice of such intended sale.

Any Working Interest Owner receiving in kind or separately disposing of all or any part of the Unitized Substances allocated to any Tract, or receiving the proceeds therefrom if the same is sold or purchased by Unit Operator, shall be responsible for the payment of all royalty, overriding royalty and production payments due thereon, and each such party shall hold each other Working Interest Owner harmless against all claims, demands and causes of action by owners of such royalty, overriding royalty and production payments.

If, after the Effective Date of this Agreement, there is any Tract or Tracts that are subsequently committed hereto, as provided in Section 4 (Expansion) hereof, or any Tract or Tracts within the Unit Area not committed hereto as of the Effective Date hereof but which are subsequently committed hereto under the provisions of Section 14 (Tracts Qualified for Participation) and Section 32 (Nonjoinder and Subsequent Joinder); or if any Tract is excluded from this Agreement as provided for in Section 21 (Loss of Title), the schedule of participation as shown in Exhibit "C" shall be revised by the Unit Operator; and the revised Exhibit "C", upon approval by the A.O., shall govern the allocation of production on and after the effective date thereof until a revised schedule is approved as hereinabove provided.

SECTION 16. OUTSIDE SUBSTANCES. If gas obtained from formations not subject to this Agreement is introduced into the Unitized Formation for use in repressuring, stimulating of production or increasing ultimate recovery which shall be in

conformity with a Plan of Operation first approved by the A.O., a like amount of gas with appropriate deduction for loss or depletion from any cause may be withdrawn from unit wells completed in the Unitized Formation royalty free as to dry gas, but not royalty free as to the products extracted therefrom; provided that such withdrawal shall be at such time as may be provided in the approved Plan of Operation or as otherwise may be consented to or prescribed by the A.O. as conforming to good petroleum engineering practices and provided further that such right of withdrawal shall terminate on the termination date of this Agreement.

ROYALTY SETTLEMENT. The United States of SECTION 17. America and all Royalty Owners who, under an existing contract, are entitled to take in kind a share of the substances produced from any Tract unitized hereunder, shall continue to be entitled to such right to take in kind their share of the Unitized Substances allocated to such Tract, and Unit Operator shall make deliveries of such Royalty share taken in kind in conformity with the applicable contracts, laws and regulations. Settlement for Royalty not taken in kind shall be made by Working Interest Owners responsible therefor under existing contracts, laws and regulations on or before the last day of each month for Unitized Substances produced during the preceding calendar provided, however, than nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any Royalty due under the leases, except that such Royalty shall be computed on Unitized Substances as allocated to each Tract in accordance with the terms of this Agreement. With respect to Federal leases committed hereto on which the Royalty rate depends upon the daily average production such average production shall be determined in per well. accordance with the operating regulations pertaining to Federal leases as though the committed Tracts were included in a single consolidated lease.

If the amount of production or the proceeds thereof accruing to any Royalty Owner (except the United States of America) in a Tract depends upon the average production per well or the average pipeline runs per well from such Tract during any period of time, then such production shall be determined from and after the effective date hereof by dividing the quantity of Unitized Substances allocated hereunder to such Tract during such period of time by the number of wells located thereon capable of producing Unitized Substances as of the Effective Date hereof, provided that any Tract not having any well so capable of producing Unitized Substances on the Effective Date hereof shall be considered as having one such well for the purpose of this provision.

All Royalty due the United States of America and the other Royalty Owners hereunder shall be computed and paid on the basis of all Unitized Substances allocated to the respective Tract or Tracts committed hereto, in lieu of actual production from such Tract or Tracts.

With the exception of Federal requirements to the contrary, Working Interest Owners may use or consume Unitized Substances for Unit Operations and no Royalty, overriding royalty, production or other payments shall be payable on account of Unitized Substances used, lost, or consumed in Unit Operations.

Each Royalty Owner (other than the United States of America) that executes this Agreement represents and warrants that it is the owner of a Royalty Interest in a Tract or Tracts within the Unit Area as its interest appears in Exhibit "B" attached hereto. If any Royalty Interest in a Tract or Tracts should be lost by title failure or otherwise in whole or in part, during the term of this Agreement, then the Royalty Interest of the party representing himself to be the owner thereof shall be reduced proportionately and the interests of all parties shall be adjusted accordingly.

SECTION 18. RENTAL SETTLEMENT. Rentals or Royalties due on leases committed hereto shall be paid by Working Interest Owners responsible therefor under existing contracts, laws and regulations provided that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any rental or minimum Royalty in lieu thereof, due under their leases. Rental or minimum Royalty for lands of the United States of America subject to this Agreement shall be paid at the rate specified in the respective leases from the United States of America, unless such rental or minimum Royalty is waived, suspended or reduced by law or by approval of the Secretary or his duly authorized representative.

SECTION 19. CONSERVATION. Operations hereunder and production of Unitized Substances shall be conducted to provide for the most economical and efficient recovery of said substances without waste, as defined by or pursuant to Federal and State laws and regulations.

SECTION 20. DRAINAGE. The Unit Operator shall take all reasonable and prudent measures to prevent drainage of Unitized Substances from Unitized Land by wells on land not subject to this Agreement.

The Unit Operator, upon approval by the Working Interest Owners and the A.O., is hereby empowered to enter into a border-line agreement or agreements with working interest owners of adjoining lands not subject to this Agreement with respect to operation in the border area for the maximum economic recovery, conservation purposes and proper protection of the parties and interest affected.

SECTION 21. LOSS OF TITLE. In the event title to any Tract of Unitized Land shall fail and the true owner cannot be induced to join in this Agreement, such Tract shall be automatically regarded as not committed hereto, and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title to any Royalty, Working Interest, or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that, as to Federal lands or leases, no payments of funds due the United States shall be withheld, but such funds shall be deposited as directed by the A.O. to be held as unearned money pending final settlement of the title dispute, and then applied as earned or returned in accordance with such final settlement.

If the title or right of any party claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator at the direction of the Working Interest Owners shall either:

- (a) require that the party to whom such Unitized Substances are delivered or to whom the proceeds thereof are paid furnish security for the proper accounting therefor to the rightful owner if the title or right of such party fails in whole or in part; or,
- (b) withhold and market the portion of Unitized Substances with respect to which title or right is in dispute, and impound the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Working Interest Owners, whereupon the proceeds so impounded shall be paid to the party rightfully entitled thereto.

Each Working Interest Owner shall indemnify, hold harmless, and defend all other Working Interest Owners against any and all claims by any party against the interest attributed to such Working Interest Owner on Exhibit "B".

Unit Operator as such is relieved from any responsibility for any defect or failure of any title hereunder.

SECTION 22. LEASES AND CONTRACTS CONFORMED AND EXTENDED. The terms, conditions and provisions of all leases, subleases and other contracts relating to exploration, drilling, development or operation for oil or gas on lands committed to this Agreement are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof, but otherwise to remain in full force and effect, and the parties hereto hereby consent that the Secretary shall and by his approval hereof, or by the approval hereof by his duly authorized representative, does hereby establish, alter, change or revoke the drilling, producing, rental, minimum Royalty and Royalty requirements of Federal leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this Agreement.

Without limiting the generality of the foregoing, all leases, subleases and contracts are particularly modified in accordance with the following:

- (a) The development and operation of lands subject to this Agreement under the terms hereof shall be deemed full performance of all obligations for development and operation with respect to each Tract subject to this Agreement, regardless of whether there is any development of any Tract of the Unit Area, notwithstanding anything to the contrary in any lease, operating agreement or other contract by and between the parties hereto, or their respective predecessors in interest, or any of them.
- (b) Drilling, producing or improved recovery operations performed hereunder shall be deemed to be performed upon and for the benefit of each Tract, and no lease shall be deemed to expire by reason of failure to drill or produce wells situated on the land therein embraced.
- (c) Suspension of drilling or producing operations within the Unit Area pursuant to direction or consent of the A.O., or his duly authorized representative, shall be deemed to constitute such suspension pursuant to such direction or consent as to each Tract within the Unitized Area.
- (d) Each lease, sublease, or contract relating to the exploration, drilling, development, or operation for oil and gas which by its terms might expire prior to the termination of this Agreement, is hereby extended beyond any such term so provided therein, so that it shall be continued in full force and effect for and during the term of this Agreement.
- (e) The segregation of any Federal lease committed to this Agreement is governed by the following provision in the fourth paragraph of Section 17(j) of the Mineral Leasing Act, as amended by the Act of September 2, 1960 (74 Stat. 781-784): "Any

(Federal) lease heretofore or hereafter committed to any such (unit) plan embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to the lands committed and the lands not committed as of the effective date of unitization; provided, however, than any such lease as to the nonunitized portion shall continue in force and effect for the term thereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."

COVENANTS RUN WITH LAND. The covenants herein SECTION 23. shall be construed to be covenants running with the land with respect to the interest of the parties hereto and their successors in interest until this Agreement terminates, and any grant, transfer or conveyance of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee or other successor in interest. No assignment or transfer of any Working Interest subject hereto shall be binding upon Unit Operator until the first day of the calendar month after Unit is furnished with the original, or acceptable photostatic or certified copy, of the recorded instrument or transfer, and no assignment or transfer of any Royalty Interest subject hereto shall be binding upon the Working Interest Owner responsible therefor until the first day of the calendar month after said Working Interest Owner is furnished with the original, or acceptable photostatic or certified copy, of the recorded instrument or transfer.

SECTION 24. EFFECTIVE DATE AND TERM. This Agreement shall become binding upon each party who executes or ratifies it as of the date of execution or ratification by such party, and shall become effective on the first day of the calendar month next following the approval of this Agreement by the A.O. and the Commission.

If this Agreement does not become effective on or before January 1, 1987, it shall ipso facto expire on said date (hereinafter called "Expiration Date") and thereafter be of no further force or effect, unless prior thereto this Agreement has been executed or ratified by Working Interest Owners owning a combined Participation of at least seventy-five percent (75%); and at least seventy-five percent (75%) of such Working Interest Owners committed to this Agreement have decided to extend Expiration Date for a period not to exceed one (1) year (hereinafter called "Extended Expiration Date"). If Expiration Date is so extended and this Agreement does not become effective on or before Extended Expiration Date, it shall ipso facto expire on Extended Expiration Date and thereafter be of no further force and effect.

Unit Operator shall file for record within thirty (30) days after the Effective Date of this Agreement, in the office of the County Clerk of Eddy County, New Mexico, where a counterpart of this Agreement has become effective according to its terms and stating further the Effective Date.

The terms of this Agreement shall be for and during the time that Unitized Substances are produced from the Unitized Land and so long thereafter as drilling, reworking or other operations (including improved recovery operations) are prosecuted thereon without cessation of more than ninety (90) consecutive days unless sooner terminated as herein provided.

This Agreement may be terminated with the approval of the A.O. by the Working Interest Owners owning eighty percent (80%) of the Unit Participation then in effect whenever such Working Interest Owners determine that Unit Operations are no longer profitable, or in the interest of conservation. Upon approval, such termination shall be effective as of the first day of the month after said Working Interest Owners' determination. Notice of any such termination shall be filed by Unit Operator in the office of the County Clerk of Eddy County, New Mexico, within thirty (30) days of the effective date of termination.

Upon termination of this Agreement, the parties hereto shall be governed by the terms and provisions of the leases and contracts affecting the separate Tracts just as if this Agreement had never been entered into.

Notwithstanding any other provision in the leases unitized under this Agreement, Royalty Owners hereby grant Working Interest Owners a period of six (6) months after termination of this Agreement in which to salvage, sell, distribute or otherwise dispose of the personal property and facilities used in connection with Unit Operatons.

SECTION 25. RATE OF PROSPECTING, DEVELOPMENT AND PRODUCTION. All production and the disposal thereof shall be in conformity with allocations and quotas made or fixed by any duly authorized person or regulatory body under any Federal or State statute. The A.O. is hereby vested with authority to alter or modify from time to time, in his discretion, the rate of prospecting and development and within the limits made or fixed by the Division to alter or modify the quantity and rate of production under this Agreement, such authority being hereby limited to alteration or modification in the public interest, the purpose thereof and the public interest to be served thereby to be stated in the order of alteration or modification; provided, further, that no such alteration or modification shall be effective as to any lands in the State of New Mexico or privately-

owned lands subject to this Agreement or to the quantity and rate of production from such lands in the absence of specific written approval thereof by the Division.

Powers in this Section vested in the A.O. shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than fifteen (15) days from notice, and thereafter subject to administrative appeal before becoming final.

SECTION 26. NONDISCRIMINATION. Unit Operator in connection with the performance of work under this Agreement relating to leases of the United States, agrees to comply with all of the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246, (30 F.R. 12319), as amended, which are hereby incorporated by reference in this Agreement.

SECTION 27. APPEARANCES. Unit Operator shall have the right to appear for or on behalf of any interests affected hereby before the Department and the Division, and to appeal from any order issued under the rules and regulations of the Department or the Division, or to apply for relief from any of said rules and regulations or in any proceedings relative to operations before the Department or the Division or any other legally constituted authority; provided, however, that any other interested party shall also have the right at his or its own expense to be heard in any such proceeding.

SECTION 28. NOTICES. All notices, demands, objections or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if made in writing and personally delivered to the party or parties or sent by postpaid certified or registered mail, addressed to such party or parties at their last known address set forth in connection with the signatures hereto or to the ratification or consent hereof or to such other address as any such party or parties may have furnished in writing to the party sending the notice, demand or statement.

SECTION 29. NO WAIVER OF CERTAIN RIGHTS. Nothing in this Agreement contained shall be construed as a waiver by any party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State wherein said Unitized Lands are located, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive; provided, however, each party hereto covenants that it

will not resort to any action to partition the Unitized Land or the Unit Equipment.

EQUIPMENT AND FACILITIES NOT FIXTURES ATTACHED TO REALTY. Each Working Interest Owner has heretofore placed and used on its Tract or Tracts committed to this Agreement various well and lease equipment and other property, equipment and facilities. It is also recognized that additional equipment and facilities may hereafter be placed and used upon the Unitized Land as now or hereafter constituted. Therefore, for all purposes of this Agreement, any such equipment shall be considered to be personal property and not fixtures attached to realty. Accordingly, said well and lease equipment and personal property is hereby severed from the mineral estates affected by this Agreement, and it is agreed that any such equipment and personal property shall be and remain personal property of the Working Interest Owners for all purposes.

SECTION 31. UNAVOIDABLE DELAY. All obligations under this Agreement requiring the Unit Operator to commence or continue improved recovery operations or to operate on or produce Unitized Substances from any of the lands covered by this Agreement shall be suspended while, but only so long as, the Unit Operator, despite the exercise of due care and diligence, is prevented from complying with such obligations, in whole or in part, by strikes, acts of God, Federal, State or minicipal law or agency, unavoidable accident, uncontrollable delays in transportation, inability to obtain necessary materials or equipment in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not.

SECTION 32. NONJOINDER AND SUBSEQUENT JOINDER. Joinder by any Royalty Owner, at any time, must be accompanied by appropriate joinder of the corresponding Working Interest Owner in order for the interest of such Royalty Owner to be regarded as effectively committed. Joinder to this Agreement by a Working Interest Owner, at any time, must be accompanied by appropriate joinder to the Unit Operating Agreement in order for such interest to be regarded as effectively committed to this Agreement.

Any oil or gas interest in the Unitized Formations not committed hereto prior to submission of this Agreement to the A.O. for final approval may thereafter be committed hereto upon compliance with the applicable provisions of this Section and of Section 14 (Tracts Qualified for Participation) hereof, at any time up to the Effective Date hereof on the same basis of Tract Participation as provided in Section 13, by the owner or owners

thereof subscribing, ratifying, or consenting in writing to this Agreement and, if the interest is a Working Interest, by the owner of such interest subscribing also to the Unit Operating Agreement.

It is understood and agreed, however, that from and after the Effective Date hereof the right of subsequent joinder as provided in this Section shall be subject to such requirements or approvals and on such basis as may be agreed upon by Working Interest Owners owning not less than sixty-five percent (65%) of the Unit Participation then in effect, and approved by the A.O. Such subsequent joinder by a proposed Working Interest Owner must be evidenced by his execution or ratification of this Agreement and the Unit Operating Agreement and, where Federal land is involved, such joinder must be approved by the A.O. Such joinder by a proposed Royalty Owner must be evidenced by his execution, ratification or consent of this Agreement and must be consented to in writing by the Working Interest Owner responsible for the payment of any benefits that may accrue hereunder in behalf of such proposed Royalty Owner. Except as may be otherwise herein provided, subsequent joinder to this Agreement shall be effective as of the first day of the month following the filing with the A.O. of duly executed counterparts of any and all documents necessary to establish effective commitment of any Tract or interest to this Agreement, unless objection to such joinder by the A.O. is duly made sixty (60) days after such filing.

SECTION 33. COUNTERPARTS. This Agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties and may be ratified or consented to by separate instrument in writing, specifically referring hereto, and shall be binding upon all those parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document, and regardless of whether or not it is executed by all other parties owning or claiming an interest in the land within the described Unit Area. Furthermore, this Agreement shall extend to and be binding on the parties hereto, their successors, heirs and assigns.

SECTION 34. JOINDER IN DUAL CAPACITY. Execution as herein provided by any party as either a Working Interest Owner or a Royalty Owner shall commit all interests owned or controlled by such party; provided, that if the party is the owner of a Working Interest, he must also execute the Unit Operating Agreement.

SECTION 35. TAXES. Each party hereto shall, for its own account, render and pay its share of any taxes levied against or

measured by the amount or value of the Unitized Substances produced from the Unitized Land; provided, however, that if it is required or if it be determined that the Unit Operator or the several Working Interest Owners must pay or advance said taxes for the account of the parties hereto, it is hereby expressly agreed that the parties so paying or advancing said taxes shall be reimbursed therefor by the parties hereto, including Royalty Owners, who may be responsible for the taxes on their respective allocated share of said Unitized Substances. No taxes shall be charged to the United States or to any lessor who has a contract with a lessee which requires his lessee to pay such taxes.

SECTION 36. NO PARTNERSHIP. The duties, obligations and liabilities of the parties hereto are intended to be several and not joint or collective. This Agreement is not intended to create, and shall not be construed to create, an association or trust, or to impose a partnership duty, obligation or liability with regard to any one or more of the parties hereto. Each party hereto shall be individually responsible for its own obligation as herein provided.

SECTION 37. PRODUCTION AS OF THE EFFECTIVE DATE. Operator shall make a proper and timely gauge of all leases and other tanks within the Unit Area in order to ascertain the amount of merchantable oil above the pipeline connection, in such tanks as of 7:00 a.m. on the Effective Date hereof. All such oil which has then been produced in accordance with established allowables shall be and remain the property of the Working Interest Owner entitled thereto, the same as if the unit had not been formed; and the responsible Working Interest Owner shall promptly remove said oil from the Unitized Land. Any such oil not so removed shall be sold by Unit Operator for the account of such Working Interest Owners, subject to the payment of all Royalty to Royalty Owners under the terms hereof. The oil that is in excess of the prior allowable of the wells from which it was produced shall be regarded as Unitized Substances produced after Effective Date hereof.

If, as of the Effective Date hereof, any Tract is over-produced with respect to the allowable of the wells on that Tract and the amount of over-production has been sold or otherwise disposed of, such over-production shall be regarded as a part of the Unitized Substances produced after the Effective Date hereof and shall be charged to such Tract as having been delivered to the parties entitled to Unitized Substances allocated to such Tract.

SECTION 38. NO SHARING OF MARKET. This Agreement is not intended to provide and shall not be construed to provide,

directly or indirectly, for any cooperative refining, joint sale or marketing of Unitized Substances.

EFFECTIVE as of the day and year first above written.

ATTEST:	THE EASTLAND OIL COMPANY
Mark H. Ingram, Secretary	By: Vice-President, Production Date of Execution:
ATTEST:	ALPS OIL COMPANY
	Ву:
	Date of Execution:
	G. H. DOELLING, JR.
	Ву:
	Date of Execution:
	GEORGE A. DONNELLY, JR.
	Ву:
	Date of Execution:

GEORGE A. DONNELLY, JR., TRUSTEE
Ву:
Date of Execution:
GEORGE A. DONNELLY, JR., TRUSTEE
Ву:
Date of Execution:
GEORGE A. DONNELLY, JR., TRUSTEE
Ву:
Date of Execution:
RICHARD DONNELLY
Ву:
Date of Execution:

	Ву:
	Date of Execution:
ATTEST:	MARSHALL & WINSTON, INC.
	Ву:
	Date of Execution:
	WILLIAM S. MARSHALL
	By:
	Date of Execution:
	PEGGY DONNELLY McCONNELL
	Ву:
	Date of Execution:

MARY L. HOLBROOK

JACK L. RUSSELL
Ву:
Date of Execution:

THE STATE OF TEXAS }	
COUNTY OF MIDLAND }	
day of , 198	ent was acknowledged before me this , by George D. Neal, Vice President ND OIL COMPANY, a Texas corporation.
	Notary Public in and for Midland County, Texas
My commission expires:	
THE STATE OF TEXAS }	
COUNTY OF }	
day of , 198	ent was acknowledged before me this , by ALPS OIL COMPANY, a Texas corporation.
	Notary Public in and for Midland County, Texas
My commission expires:	
THE STATE OF TEXAS }	
COUNTY OF }	
	ent was acknowledged before me this , by GEORGE A. DONNELLY, JR.
	Notary Public in and for Midland County, Texas
My commission expires:	

THE STATE OF TEXAS	}	
COUNTY OF	}	
The foregoing day of TRUSTEE.		was acknowledged before me this, by GEORGE A. DONNELLY, JR.,
		Notary Public in and for Midland County, Texas
My commission expir	:es:	
THE STATE OF TEXAS	}	
COUNTY OF	}	
The foregoing day of TRUSTEE.		was acknowledged before me this, by GEORGE A. DONNELLY, JR.,
		Notary Public in and for Midland County, Texas
My commission expir	:es:	
THE STATE OF TEXAS	} .	
COUNTY OF	}	
The foregoing day of TRUSTEE.		was acknowledged before me this, by GEORGE A. DONNELLY, JR.,
		Notary Public in and for Midland County, Texas
My commission expir	es:	

THE STATE OF TEXAS	}	•
COUNTY OF	}	
The foregoing day of		was acknowledged before me this , by RICHARD DONNELLY.
		Notary Public in and for Midland County, Texas
My commission expir	es:	
THE STATE OF TEXAS	. }	
COUNTY OF	}	
The foregoing day of		was acknowledged before me this , by MARY L. HOLBROOK.
		Notary Public in and for Midland County, Texas
My commission expir	es:	
THE STATE OF TEXAS	}	
COUNTY OF	}	
day of	, 198	was acknowledged before me this, by
		Notary Public in and for Midland County, Texas
My commission expir	es:	

THE STATE OF TEXAS	}	
COUNTY OF	}	
The foregoing day of		was acknowledged before me this, by WILLIAM S. MARSHALL.
		Notary Public in and for Midland County, Texas
My commission expir	:es:	
THE STATE OF TEXAS	}	
COUNTY OF	}	
The foregoing day of		was acknowledged before me this, by PEGGY DONNELLY McCONNELL.
		Notary Public in and for Midland County, Texas
My commission expir	es:	
THE STATE OF TEXAS	}	
COUNTY OF	}	
The foregoing day of		was acknowledged before me this, by JACK L. RUSSELL.
		Notary Public in and for Midland County, Texas
My commission expir	:es:	

ENHIBIT "C" SUMMARY ATTACHED TO AND PART OF THE UNIT OPERATING AGREEMENT POWER GRAYBURG UNIT EDDY COUNTY, NEW MEXICO

WORKING INTEREST OWNER	TRACT NUMBER	PERCENT UNIT PARTICIPATION
Alps Oil Company	1a 1b 2 3 4	0.116946 2.968660 2.972198 6.066744 1.011594 13.136142
G.H. Doelling, Jr.	1 a 2 3 4	0.116946 2.972198 6.066743 1.011594 10.167481
George A. Donnelly, Jr.	1a 1b 2 3 4	0.116946 2.968660 2.972198 6.066743 1.011594 13.136141
Richard Donnelly	1a 1b 2 3 4	0.058473 1.484330 1.486099 3.033372 0.505797 6.568071
George A. Donnelly, Jr Trustee of the Trust for George A. Donnelly, III	4	0.337198
George A. Donnelly, Jr. Trustee of the Trust for Marion Jan O'Neill	4	0.337198
George A. Donnelly, Jr. Trustee of the Trust for Robert R. Donnelly	4	0.337198

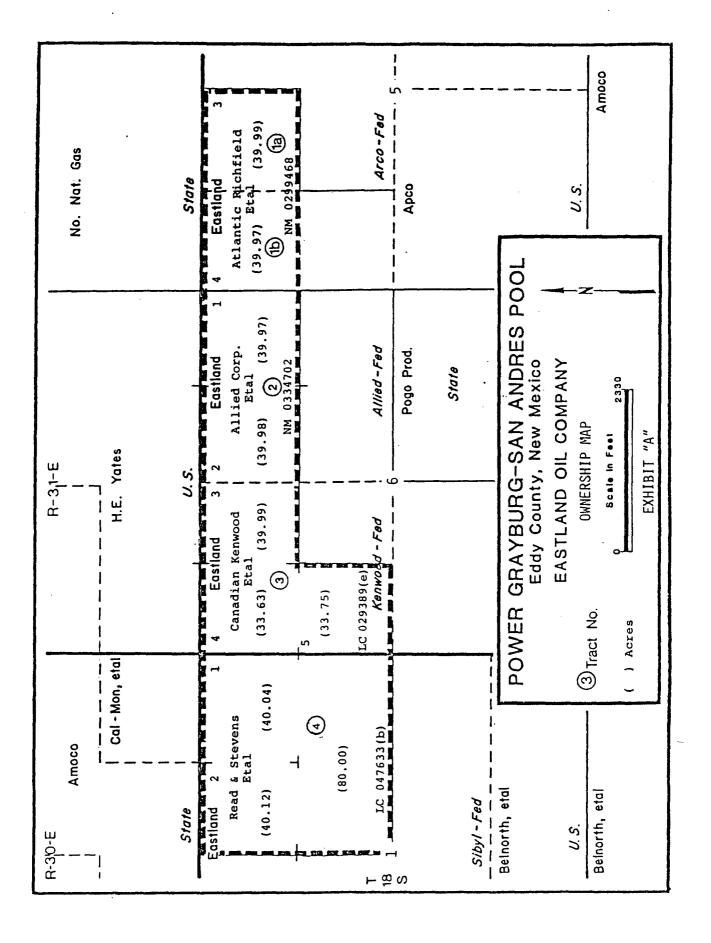
EXHIBIT "C" SUMMARY ATEACHED TO AND PART OF THE URIT OFERATING AGREEMENT POWER CRAYLURG UNIT EDDY COUNTY, NEW MEXICO

THE SECTION OF THE PROPERTY OF		
		TERCENT
	TRACT	WMT
WORKING INTEREST OWNER	NUMBER	PARTICIPATION
The Eastland Oil Company	la	0.175420
	1 b	4.452989
	2	4.458297
	3	9.100115
	4	1.517391
		19.704212
Mary L. Holbrook	la	0.058473
mary L. Horbrook	1b	
	2	1.484330 1.486099
	3	3.033372
	4	
	4	0.505797 6.568071
		0.3000/1
Marshall & Winston, Inc.	la	0.029237
•	2	0.743049
	3	1.516686
	4	0.252898
		2.541870
William S. Marshall	1	0.000027
william 5. Marshair	la 2	0.029237
	2	0.743049
	3 4	1.516686
	. 4	0.252898
		2.541870
Peggy Donnelly McConnell	la	0.116946
,	1 b	2.968660
	2	2.972198
	3	6.066744
		12.124548
Jack L. Russell	1a	0.116946
Jack D. Masserr	1b	2.332519
	2	2.972198
	3	6.066744
	4	1.011593
	4	12.500000

directly or indirectly, for any cooperative refining, joint sale or marketing of Unitized Substances.

EXECUTED as of the day and year first above written.

THE EASTLAND OIL COMPANY
By: Vice-President, Production
Date of Execution:



.....

EXHIBIT "B"

UNIT AGREEMENT

SCHEDULE SHOWING ALL LAND AND LEASES

WITHIN THE POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

ITEREST	INTAGE	Jr. 12.500 12.500 12.500 12.500 6.250 6.250 6.250 1 3.125 1 3.125 1 12.500 12.500	Japany 23.863630 15.909090 Jr. 15.909090 7.954550 7.954550 900090
MORKING INTEREST	AND PERCENTAGE	The Eastland Oil Company Alps Oil Company G.M. Doelling, Jr. George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrock Marshall & Winston, Inc. William S. Marshall Peggy Donnelly NcConnell Jack L. Russell	The Eastland Oil Company Aips Oil Company George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Peggy Donnelly McConnell Jack L. Russell
OVERRIDING ROYALTY	AND PERCENTAGE	Atlantic Richfield Atlantic Richfield Company 100% 6.25% John F. Partridge, Jr. 1.50% A.M. Culver Company 1.50%	Atlantic Richfield Atlantic Richfield The Eastland Dil Company Company Alps Dil Company 100% 6.25% George A. Donnell John F. Partridge, Jr. Richard Donnelly 1.50% Mary L. Holbrook 1.50% Jack L. Russell 1.50%
ALL FEDERAL LANDS LESSEE OF RECORD	AND PERCENTAGE	Atlantic Richfield Company 100%	Atlantic Richfield Company 100%
BASIC	ROYALTY	U.S. 12.5%	U.S. 12.5%
SERIAL ND.	EXP. DATE	NH0299468 HBP	NM0299468 HBP
NUMBER OF	ACRES	39.99	39.97
DESCRIPTION	OF LAND T.18S.,R.31E.	Sec. 5: Lot 3	Sec.5: Lot 4
TRACT	MD.	ns 	9

EXHIBIT "B"

UNIT AGREEMENT

SCHEDULE SHOWING ALL LAND AND LEASES

MITHIN THE POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

[-		! !	550 500 500 500 500 550 550 500 500	750 300 500 550 500 500
; } ! ! ! !			18.750 12.500 12.500 6.250 6.250 3.125 3.125 12.500 12.500	18.750 12.500 12.500 6.250 6.250 3.125 3.125 12.500
ALL FEDERAL LANDS	WORKING INTEREST AND PERCENTAGE		The Eastland Dil Company Alps Dil Company G.H. Doelling, Jr. George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Marshall & Winston, Inc. William S. Marshall Peggy Donnelly McConnell Jack L. Russell	The Eastland Oil Company Alps Oil Company George A. Donnelly, Jr. Richard Donnelly Mary L. Holbrook Marshall & Winston, Inc. William S. Marshall Peggy Donnelly McConnell
	OVERRIDING ROYALTY AND PERCENTAGE		United Texas Petroleum Corporation of Texas 7.5% Pearson-Sibert Oil Co. 1.33333% A.F. Gilmore Company 1.33333% E.B. Hall 0.66667% Hallbergen & Company 0.66667% Robert D. Fitting 1.00000%	Canadian Kenwood Company 11.65625% William G. Parker, Nancy Parker Strong & Sylvia S. Voorhies Tr U/W/D Tom R. Parker 0.84375%
	LESSEE OF RECORD AND PERCENTAGE		Allied Corporation 100%	Canadian Kenwood Company 93.25% T.R.Parker 6.75%
	BASIC ROYALTY	e de la companya de l	12.5%	U.S. Schedule D
	SERIAL NO. EXP. DATE		NM0334702 HBP	C0293B9 (e) S
	NUMBER OF Acres	; ; ; ; ; ; ;	36.95	107.37
	DESCRIPTION OF LAND	T.185.,R.31E.	Sec.6: Lats 1,2	Sec.6: Lots 3,4,5
† † 	TRACT NO.	 	2	ю

UNIT AGREEMENT

SCHEDULE SHOWING ALL LAND AND LEASES

WITHIN THE POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

					ALL FEDERAL LANDS			
TRACT NO.	DESCRIPTION OF LAND	NUMBER OF Acres	SERIAL NO. EXP. DATE	BASIC RDYALTY	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY AND PERCENTAGE	WORKING INTEREST AND PERCENTAGE	
i t ! ! !	T.185.,R.31E.	3		; ; ; ; ; ; ; ; ; ; ;	1			
4	Sec. 1:	160.16	(p)	U.S.	Read & Stevens, Inc	Sibyl	Read & Stevens, Inc.	0,000000
	Lots 1,2 S/JNF/4		HBP S	Schedule D	100%	and	The Eastland Oil Company Alms Oil Commany	18,750000
						Richard L. Perry	6.H. Doelling, Jr.	12,500000
						6.25	George A. Donnelly, Jr.	12.500000
							George A. Donnelly, Jr.	
							Trustee of the Trust for	
							George A. Donnelly, III	4,166667
							George A. Donnelly, Jr.	
							Trustee of the Trust for	
							Marion Jan O'Neill	4.166667
							George A. Donnelly, Jr.	
							Trustee of the Trust for	
							Robert R. Donnelly	4.166666
							Richard Donnelly	6.250000
							Mary L. Holbrook	6.250000
							Marshall & Winston, Inc.	3,125000
							William S. Marshall	3,125000
							Jack L. Russell	12.500000
11	**************************************		111111111111111111111111111111111111111			5 5 5 5 5 5 5 5 5 5	**************************************	

RECAPITULATION: 5 Tracts 4 Federal Leases 427.44 Acres 100% Federal

EXHIBIT "C"

UNIT AGREEMENT

SCHEDULE OF TRACT PARTICIPATION

THE EASTLAND OIL COMPANY

POWER GRAYBURG UNIT

EDDY COUNTY, NEW MEXICO

TRACT PART.%	0.935570 18.660148 23.777583 48.533949 8.092750
90% CUM.	0.000000 17.725046 21.907145 46.022018 4.345791
10% ACRES	0.935570 0.935102 1.870438 2.511931 3.746959
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TRACT NO.	1a 39.99 9 1b 39.97 9 2 79.95 18 3 107.37 25 4 160.16 37 427.44 100

90% Cummulative to 1-1-85 + 10% Acreage TRACT PARTICIPARION:

POWER GRAYBURG UNIT ATTACHMENT TO FORM C-108 LIST OF SURFACE OWNERS AND LEASEHOLD OPERATORS WITHIN ONE-HALF MILE

- Surface Owners: (All leases in Unit) Federal Lands Bureau of Land Management Roswell District Office P.O.Box 1397 Roswell, New Mexico 88201
- 2. Leasehold Operators: Anadarko Producing Company Box 2497, 900 Gibralter Savings Center Midland, Texas 79702

Amoco Production Company Box 68 Hobbs, New Mexico 88240

APCO Production Company 80 Sierra Cr., C.R. 240 Durango, Colorado 81301

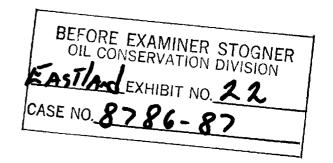
ARCO Oil & Gas Company Box 1610 Midland, Texas 79702

Belnorth Petroleum Corporation One Petroleum Center, Bldg. 6 3300 N. "A" Street Midland, Texas 79705

Cal-Mon Oil Company P.O.Box 2066 Midland, Texas 79702

El Paso Natural Gas Company Box 1492 El Paso, Texas 79978

Northern Natural Gas Company One Petroleum Center, Bldg. 6 3300 N. "A" Street Midland, Texas 79705



Pogo Producing Company Box 10340, 300 Midland Tower Midland, Texas 79702

Union Texas Petroleum Corporation Division of Allied Chemical Corporation P.O.Box 200128 Houston, Texas 77216

Harvey E. Yates Company
Box 1933
Roswell, New Mexico 88201

DOMESTIC RETURN RECEIPT	0.00	and the	PS Form 3811, July 1983
Always obtain signature of addressee or agent and DATE DELIVERED. 5. Signature - Addresse 6. Signature - Addresse 7. Date of Delivery 8. Addressee's Address (ONLY if requested and fee paid)	4. Type of Service: Article Number Registered Insured COD P 176 135 292 Express Mail	3. Article Addressed to: APCO Production Company 80 Sierra Cr., C.R. 240 Durango, Colorado 81301	SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Feilure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. Show to whom, date and address of delivery. 2. Restricted Delivery.
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AESTIC RETURN RECEIPT	NOO	0:00	projon:	PS Form 3811, July 1983
6. Signature - Agent X 7. Date of Delivery 8. Addresse's Address (ONLY if requested and fee paid)	Always obtain signature of addressee or agent and DATE DELIVERED. 5. Signature – Addressee	4. Type of Service: Article Number Registered Insured P 176 135 289 Express Mail	3. Article Addressed to: Bureau of Land Management Roswell District Office Post Office Box 1397 Roswell, New Mexico 88201	Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. M. Show to whom, date and address of delivery. 2. A Restricted Delivery.
THIS RETURN RECEIPT	woa	13%	D propor	P8 Form 3811, July 1983
6. Signature - Agant X Date of Delivery 8. Address (ONLY I) requested and fee paid)	DATE DELIVERED. 5. Signature – Addressee X	A. Type of Service: Article Number Registered Insured P 176 135 290 Express Mail	3. Article Audressed to: Anadarko Production Company Post Office Box 2497 Midland, Texas 79702	SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are evallable. Consult postmester for fees and check box(es) for service(s) requested. 1. M. Show to whom, date and address of delivery. 2. Restricted Delivery.
ТПС ЯЕТИВИ ВЕСЕІРТ	DOWE	2770	o Jeneralia	S Form 3811, July 1983
8. Addressee's Address (ONLY If requested and fee paid)		Registered Insured COD Express Mail	Amoco Production Company Post Office Box 68 Hobbs, New Mexico 88240 4. Type of Service: Article Number	Pu P

Registered Certified Express Mail lobbs, New Mexico ost Office Box 68 moco Production Company Addressee's Address (ONLY if requested and fee paid) Date of Delivery Signature – Addressee Personal section is a section of addressee or agent and TEDELIVERED. Type of Service: Article Addressed to: ☐ Restricted Delivery. □ Insured Article Number 176 135 88240 291

Form Postmark or Date Pees bas agaisog JATOT \$ Return receipt showing to whom, Date, and Address of Delivery Return Receipt Showing betavited etail bas monw of Restricted Delivery Fae Special Delivery Fee Certified Fee U.S.G.P.O. 1984-446-014 Postage P.O. State and ZIP Code SEXST DIRLDIM 90767 Street and No. 25reet "A" Northern Natural Company Gas Gas (See Reverse) NO INSURANCE COVERAGE PROVIDED NO INSURANCE COVIDED NO INSURANCE PROVIDED NO INCIDENCE PROVIDE PROVIDED NO INCIDENCE PROVIDE P

RECEIPT FOR CERTIFIED MAIL

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TRINGUESTY US VIJ

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e, New Mexico 87504-2265

Attorneys at Law tio - 117 North Guadalupe Post Office Box 2265

AHIN and KELLAHIN

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IST NOTICE

2ND NOTICE

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APCO Production Company

RETURN

80 Sierra Cr., C.R. 240

Durango, Colorado

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8. Addresses's Address (ONLY if requested and fee paid)	7. Date of Delivery	6. Signature - Agent	5. Signature Addressee	Always obtain signature of addressee or agent and DATE DELIVERED.	Registered Insured P 176 135 295 Express Mail	4. Type of Service: Article Number	Cal-Mon Oil Company Post Office Box 2066 Midland, Texas 79702	3. Article Addressed to:	2.		م حر ما	
TURN RECEIPT	STIC RE	DOWE:		0 !	00	<i>j.)</i>	1777m	 •= _	> 28 61	. Aint 'L	18 £ m10	FS PS
8. Addressee's Address (ONLXH) requested and fee paid)	7. Date of Delivery	S. Signature		Always obtain signal of the state of the sta	A. Type of Service: Article Number Registered Insured P 176 135 296		23. Article Addressed to: El Paso Natural Gas Co. Post Office Box 1492 El Paso, Texas 79978		2. Astricted Delivery. 2. Restricted Delivery.		Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of	SENDER: Cumplete items 1, 2, 3 and 4.
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	1 / 1	Always obtain signature of addressee or agent and DATE DELIVERED. 5. Signature – Addressee	Registered Insured Certified COD	ton bs	2 1. 100 AND 1
Y lf requested and fee paid)	8	Idressee <u>or</u> agent and	P 176 135 302	9n 8 8 Box 1980 Mexico 88240	ms 1, 2, 3 and 4. TURN TO" space on the is will prevent this card from eleurn receipt fee will provide delivered to and the date of the following services are r for fees and check box(es) and address of delivery.
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7. Date of Delivery 8. Addressee's Address <i>(ONI</i>	5. Signature – Addressee X 6. Signature – Agent	Always obtain signature of addressee <u>or</u> agen DATE DELIVERED.	4. Type of Service: Registered Insured Certified COD Express Mail	3. Article Addressed to: ARCO Oil & Gas P. O. Box 1610 Midoland, Texas	SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provid you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. M Show to whom, date and address of delivery. 2. Restricted Delivery.
Date of Delivery Addressee's Address (ONLY if requested and fee paid)	7. 98 h	ddressee <u>or</u> agent and	Article Number P 176 135 293	s Company) 1s 79702	URN TO" space on the will prevent this card from turn receipt fee will provide lelivered to and the date of the following services are for fees and check box(es) and address of delivery.
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Registered | Certified | Express Mail Always obtain signature of addressee or agent and DATE DELIVERED. 3. Article Addressed to: Bellnorth Petroleum Company 4. Type of Service: Midland, Texas One Petroleum Center, Bldg. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt tee will provide you the name of the person delivered to and the date of available. Consult postmaster for fees and check box(as, 3300 N. "A" Street 2. Restricted Delivery. Ke Show to whom, date and address of delivery. for service(s) requested. Insured COD P 176 135 Article Number 79705 294 σ

SENDER: Complete items 1, 2, 3 and 4.

Addressee's Address (ONLY if reque

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Signature - Agent

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ВИ ВЕСЕГЫ	итэя	DITZE	woa	41			./ • "	e"	£861 v	Form 3811. Jul
B. Addressee's Address (ONLY if requested and fee paid)	7. Date of Delivery DEC 2 - 1965	6. Signature - Agegua Fictor 1 1001	5. Signature - Addressee	Always obtain signature of addressee or agent and DATE DELIVERED.	Registered Insured P 176 135 299 Express Mail	ce: Ar	Union Texas Petroleum Corp. Division of Allied Chemical Corporation Post Office Box 200128 Houston, Texas 77216		 As Show to whom, date and address of delivery. Asstricted Delivery. 	Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box (as) for services are assumed.
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8. Addressee's Address (ONLY if requested and fee paid)	7. Date of Delivery /	6. Signature – Agent X	S. Signature - Addressee	Always obtain signature of addressee or agent and DATE DELIVERED.	Registered Insured P 176 135 300 Express Mail	4. Type of Service: Article Number		3. Article Addressed to:	 Show to whom, date and address of delivery. Restricted Delivery. 	Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.
WN BECEILL	отза	DILS	woa	1	!	p	ristra		. 1983	Form 3811, Jul
8. Addressee's Address (ONLY If requested and	7. Date of Delivery	6. Signature - Agent	X Py - Addressey	Always obtain signature of addressee or agent and DATE DELIVERED.	Registered Insured SQ Certified COD Express Mail	4. Type of Service:	he Eastland ost Office lidland, Tex	3. Article Addressed to:	Show to whom, date and address of delivery. Bestricted Delivery.	Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box less for services a requested.
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Form 9-598 (April 1952)	UNITED STATES
	DEPARTMENT OF THE INTERIOR
	GEOLOGICAL SURVEY
0	CONSERVATION DIVISION

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R	31E

N.H.P.	Mer.
	11101.

PUBLIC LAND:		Date	June	26, 1952	Ref. N	o. <u>29</u>	
Land office	New Mexico			State	New Mexico		
Serial No.			(County	Eddy		
Lessee	Gulf Oil Corp			Field			
	E. A. HANSON			District			
Well No				Subdivision			
Location	19801 from the	e south a	and e	ast lines of t	he section.		
Markater	ed Nov.	23 <u>, 19</u> 5	56 ,	Well elevation	3713 (LÆS)	feet
Workover Drilling comme	nced Nov.	21, 19	56	Fotal depth	4252		feet
Workover Drilling ceased	Dec,	19, 19_5	56 1	Initial production	None		
Completed for p	roduction	, 19	(Gravity A. P. I.			
Abandonment a	pproved Karch	21 , 19	57 1	nitial R. P			
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WELL STATUS

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SCOUT REPORT NEW MEXICO

OIL CONSERVATION COMMISSION

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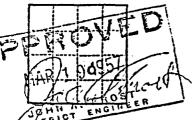
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Approval		

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Loase No. NM 0933



Form 9-831a (Feb. 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

- /		<u> </u>		
	NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
	NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.	
	NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
			SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.	
	NOTICE OF INTENTION TO SHOOT OR ACIDIZE.		SUBSEQUENT REPORT OF ABANDONMENT	X
	NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
	NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

MAGNEN		January 16	, 1957
Well No. 1 is locate	ed 1260_ft. from{S} line at	nd 1980 ft. from $\left egin{array}{c} \mathbf{E} \\ \mathbf{W} \end{array} \right $ line of	sec. 31
	175outh 31 Frat		
Wildest (Field)		(State of Torritory)	

The elevation of the derrick floor above sea level is .3.710. ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, comenting points, and all other important proposed work)

As outlined in previous report, filled hole from 255 feet with mud to surface and set standard marker with 15 sacks of cement. Filled pits cleaned location and moved off rig.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.							
Company	Ernest A. Henson	***************************************					
Address	P.O. Box 852						
***************************************	Roswell, N.M.	By Chull House					
*************		Title Manager					

U. S. GOYFRHARM PRINTING OFFICE 38-6437-5

Budget	Bures	u No.	42-R35	3.4.
Approv	al exp	res 12	-31-60	

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UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	-New-Mexico-
Leese No	6933
Unit	

SUNDRY NOTICES	AND REPORTS ON WELLS
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	- X
(INDICATE ABOVE BY CHECK MAR	RK NATURE OF REPORT, NOTICE, OR OTHER DATA)
	January 3 19 57
Vell No. 1 is located 1980 ft. from	m. ${N \choose S}$ line and 1980 ft. from ${E \choose W}$ line of sec. 31
(1/2 Sec. and Sec. No.) (Twp.)	(Range) (Meridian)
Wildest Eddy	New Mexico
Commenced moving-in cable-tand began cleaning-out old of 295 feet on November 29,	izes, weights, and lengths of proposed casings; indicate mudding jobs, coment- tool spudder on November 21, 1956, and hale on November 24, 1956. Reached dept , 1956, but were unable to drill deepor nole. Cessed operations on December 19,1
Will re-plug and shandon by	filling hole from present depth of (5 reet) to surface, and by setting and
	·
I understand that this plan of work must receive approval	in writing by the Geological Survey before operations may be commenced.
ompany Ernest A. Hanson	a vet v
ddress F.C. Fox 852	
Roswell, New Mexico	By Church II - Thursday

B. S. SOVERNMENT PRINTING OFFICE 16-8437-6

Title Manager

Budget I	ureau	42-X358.3,
ADDEOVA	l axpire	s 12-31-65.

(Feb	. 195	i)	i
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

-	pproves	
Land Oinca	New	Mexico
Lesse No.		
Unit	Ţ	
r	iost O	3 1956
1 13	11.1V Z	ال ال

SUNDRY NOTICES AND REPORTS ON WELLS. HEW REVICE

(indicate above by check mari	K NAT	ure of report, notice, or other data) November 21.	10 56
	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	

Well No. 1	is l	ocated 198	0 ft. from	- S line	and 1980	ft. fron	E line of	sec. 31
. NWASEA	31	1	rs:	31E	N.M.P	.H.		
() Sec. and S	ea, No.)		wp.) (.qw	Range)	(Merid	ian)		
Wildcat (Floid))		Eddy (County or	Bubdivision)		New (S	Mexico State or Territory)	

The elevation of the derrick floor above sea level is _3710. ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to re-enter this abandoned well cleaning out to a depth of approximately 3850 with cable tools and will attempt to re-complete at this depth. Deepest testing will be the Lovington Sand to 3850%. Plan to tie into 8 5/8" casing 24 test, bottomed at 670' and 3850' 52" casing 14# t3st. Cement at 670' and at 3850' with 100 ex.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company Frnest A. Hanson Address P. O. Box 852 Roswell, New Mexico

Form 9-831a (Nov. 1930) Indian Agency	/C77D1/77P 1	at motofyc topo	Las Cruces
		N TRIPLICATE)	029495
		D STATES	being exchanged for
Allottes		of the interior	Lease
Lease No	GEOLOGI	ICAL SURVEY	
;			
SUNDRY	NOTICES AN	ID REPORTS O	N WELLS
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER	R SHUT-OFF
NOTICE OF INTENTION TO CHANGE	PLANS	SUBSEQUENT REPORT OF SHOO	TING OR ACIDIZING
NOTICE OF INTENTION TO TEST WAT	ER SHUT-OFF	SUBSEQUENT REPORT OF ALTE	JÝG CASING.
NOTICE OF INTENTION TO RE-DRILL	,	SUBSEQUENT REPORT OF REDR	
NOTICE OF INTENTION TO SHOOT OF		SUBSEQUENT REPORT OF ABANI	
NOTICE OF INTENTION TO PULL OR	77 V	SUPPLEMENTARY WELL HISTOR	۲ <u></u>
NOTICE OF INTENTION TO ABANDON	WELL STATES		11/31/5
(INDICA	TE ABOVE BY CHECK MARK NA	TURE OF REPORT, NOTICE, D'R OTHE	REPATAL ME
	· •	Harch 2	4 19 39
Well No is lo		M 1980.	from $\{E\}$ line of sec. 31
WEII 140 15 10	cated AROY.It. Irom	S line and	Trom W line or sec.
NELBET 31	178 3	N.M.P.M.	
(M Sec. and Sec. No.)	(Twp.)	Range) (Meridian	
	, Edd	¥	New Mexico
(Pield)	(County or i	Bubdivision)	(State or Territory)
The elevation of the derrick	c floor above sea level	l is ft.	
	DETAIL!	S OF WORK	
(State names of and sepected depths t			asings; indicate mudding jobs, coment-
	•		
Mud will be p	Octed to 1650	feet at which pl	lede 25 Secre of
cement will be dur	•		
Ten sakks of	cement will be	e dumped inside (of 200 feet of 8"
casing and from th	nere to the top	of the hole it	will be filled
with mud with two	sacks of cener	nt on the top.	
A pipe filled	i with cement 1	will mark the hol	le.
Vie me v	use he The	requietion à	ye morres.
i understand that this also of seed	k muset pagalus annusus! i	iting by the Gaelester! S	ore operations may be commenced.
I dispersion that this prim or wer	k must receive approval in wr	iding by the Geological Survey bes	ors operations may be commenced.
Company			
Address & lire. Grace	McDonald Phi:	llips	
		_	7 . 1
Roswell, No	ew Mexico	By <u> (* 17</u>	Snales
		Title	()
	# + + + + + + + + + + + + + + + + + + +	I Itie	

Form 9-881a (Nov. 1936) Indian Agency	(SUBMIT IN TRIPLICATE)	Stagner v.s. Land Office Lee Gruces		
1	I human Caraca	XIAMAT permit No. 029495		
*	UNITED STATES			
Allottee	DEPARTMENT OF THE INTERIOR			
Lease No	GEOLOGICAL SURVEY			
SUNDRY NO	OTICES AND REPORTS O	N WELLS		
		•		
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATE	ER SHUT-OFF		
NOTICE OF INTENTION TO CHANGE PLANS		4.6.4%		
NOTICE OF INTENTION TO TEST WATER S	HUT-OFF SUBSEQUENT REPORT OF ALTE	RING CASING		
NOTICE OF INTENTION TO RE-DRILL OR R				
NOTICE OF INTENTION TO SHOOT OR ACIE				
NOTICE OF INTENTION TO PULL OR ALTER		RY		
NOTICE OF INTENTION TO ABANDON WELL				
(INDICATE ABO	OVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTH	ER DATA)		
•	Herch	29 19 39		
		,		
Well No. 1 is located	d 1980 ft. from $\binom{N}{S}$ line and 1990 ft.	from $\{ \frac{E}{W} \}$ line of sec. 51		
MIL CAG.	(-)	()		
(M Sec. and Sec. No.)	178 31E R. H. P. M. (Twp.) (Range) (Meridia	n)		
		lew Kexico		
(Field)	(County or Subdivision)	(State or Territory)		
The elevation of the derrick floo	or above sea level isft.			
	DETAILS OF WORK			
(State names of and expected depths to obje	octive sands; show sizes, weights, and lengths of proposed ing points, and all other impertant proposed work)	casings; indicate mudding jobs, coment-		
Water in this well wa with lead wool, steel to the pipe, which wa	s encountered at 4300°, the outtings and rock from the s at 4118. The pipe extend g consisting of rock, lead	hole was then filled bottom of the hole ling from 2460 to 4118		
were dumped into the 1 200 feet of 3 inch ca filled with mud with 1	he well to 16504 at which phole. 10 sacks of cement we sing and from there to the 2 sacks of cement on the toment extending 3 feet above	ere dumped inside of top of the hole it was p. The legal marker,		
I understand that this plan of work mus	it receive approval in writing by the Geological Survey be	fore operations may be commenced.		
Company		*************************************		
Address 5 Krs. Grace Mc	Donald Phillips			
Roswell, Rev Hex	ico By	B. Znach		
	Title	perator		

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Stagner Permit U. S. LAND OFFICEL Form 9-830 029495 EXCENT PERMIT TO PROSPECT Permit UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY** LOG OF OIL OR GAS LOCATE WELL CORRECTLY P. B. English Address % Mrs. Grace McDonald Phillips Lessor or Tract Stegner Field StateNew Mexico Sec. 31 T.175 R31E Meridian N.M.P.M. County Eddy Location 980 ft. ${N \choose N}$ of S. Line and 1980ft. ${E \choose W}$ of E. Line of 31 The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Signed 113 English Date 2 4 Title Operator The summary on this page is for the condition of the well at above date. Commenced drilling Nov. 21 1938 Finished drilling 1939 OIL OR GAS SANDS OR ZONES A test the confidence gas by G) No. 4, from to No. 5, from No. 6, from _____ IMPORTANT WATER SANDS No. 1, from 4120 to 4124 No. 3, from _____ to ____ No. 2, from <u>4200</u> to No. 4, from ______ to ____ CASING RECORD Perforated Amount Weight Threads per Kind of shoe Purpose CAMPE Alues or bridges werd put in to tost for 10 20 er, plate tind of material used, position, and best got gail fing or bailing HISTORY OF OIL OR GAS WELL MUDDING AND CEMENTING RECORD Size Where set Number sacks of eement Method used Mud gravity Amount of mud used 670

Manhetts	. 11		SH	L Dizi	IG R	ECORD)	<u> </u>	
Size	Bhell used	Expl	aire used	Quai	tley	. Date	Depth shot	Depth deaned	out
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				TOOI	Q 710	ED			
Rotary tools	were used f	rom	fee	t to		feet	, and from	feet to	feet
is the second	(Company) (Company) (Company) (Company) (Company)								. .
desired to the	word page are	744	100	D	TES	d the own	The state of the state of	The least feet to the same training to the same training to the same training to the same training tra	11.44.27 \$ 3.4 1.3 1. 14.27
			9		Pu	t to proc	lucing	d complete a consignation	, 19
		•				_	_	% was oil;	%
	(2010	C .)	
	•		_		!		•		
. •	i				Galle		line per 1,000 ci	a. ft. of gas	
Rock p	essure, lbs. 1	per sq. in.	************	*******					
R	oy Engli	sh	Driller	EMP	LOYE	ES	^{C.} Dan Webb		, Driller
	ean Horn					* * * * * * * *			Driller
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FORMATION RECORD—Continued and the second and the s

•,	From	Ţo 🛴	_Total Depth	Formation
	1860	1870	10	Red sand
•	1870	1930	. 60	Anhydrite
	1930	1953	23	Anhydrite and red shale
	1953	1975	22	Anhydrite
	1975	2010	35	Anhydrite
	2010 2034	2034	24*	Anhydrite and red shale
	2220	2220 2235	186 15	Anhydrite
	2235	2345	10	Dark grey lime Anhydrite
	2345	2365	20	Anhydrite and lime
	2365	2415	5 0	Anhydrite Anhydrite
	2415	2423	8	Lime - Show of Oil
	2423	2450	27	Anhydrite
	2450	2474	24	Anhydrite and lime
	2474	2600	126	Anhydrite
•	2600	2680	80	Anhydrite and red shale
	2680	2694	14	Anhydrite and red shale
	2694	2730	3 6	Anhydrite
	2730	2754	24	Anhydrite and red shale
	2754	2798	44	Anhydrite
	2798	2815	17	Sand and red shale
•	2815	2828	13	Red sand
	2828	2842	14	Lime - Reduced at 2840
7	2842	2883	41	Lime and Anhydrite
•	2883	2898	15	Lime
	2898	2911	13	White Lime
	2911	2940	29	Anhydrite and lime
	2940	2958	18	Lime
	2958 2974	2974 2995	16 21	Gray lime and anhydrite Lime and anhydrite
	2995	3010	15	Red sand
	3010	3022	12	Red shale and anhydrite
	3022	3040	18	Anhydrite and lime
	3040	3055	15	Red sand
	3055	3069	14	Red sand and last 2 feet anhydrite
	3069	3987	18	Anhydrite and lime ,
	3987	3115	28	Red sand
	3115	3124	9	Grey lime, hard. Top of lime
	3124	3150	26	Lime
	3150	3156	6	Red sand and grey lime
	3156	3175	19	Sand and lime
	3175	3188	13	Lime and red sand
	3188	3204	16	Lime and shale
	3204	3218	14	Lime
	3218	3231	13	Grey lime and sand - Show of oil. Grey lime
	3231 3245	. 3245 3255	14 10	Lime
	3255	3262	7	White lime, hard
	3262	3316	54	Grey lime
	3316	3326	10	White lime
	3 326	3331	5	Lime - Show of oil
	3331	3343	12	Lime, grey
	3345	3355	10	White lime
	3355	3365	10 .	Grey lime .

•)		
	From	To Total	Depth Forma	tion
	3365 3377 3388 3494 3493 3493 3493 3493 3493 3595 36658 3670 3707 3814 3897 3897 3897 3897 3897 3897 3897 3897	3377 3388 3394 3404 3414 3436 3449 3460 3470 3481 3490 3493 3585 3595 3610 3646 3658 3673 3700 3707 3714 3740 3883 3700 3883 3700 3883 13897 3900 4095 4095 1120 4120 4129	Grey lime Crey sand Lime Crey lime Crey lime Crey lime Crey lime Sandy lim Sandy lim White lim Crey lime Crey lime Crey lime Crey lime Crey sand Brown lim Grey sand Brown lim Crey lime Crey soft Crey soft Crey soft	- Show of oil y lime e, sand dy lime - Show of oil y lime e phur lime me - some oil y lime - little oil y sandy lime - 6½ boilers of B.S. and Oil m lime lime set at 4108 er sand

"

OTD 4252 - opr. did not get back in hole.

C.Jur. 1-2-57

30-11-24-56

EDDY

r. P & A

STATELL KROENLESS 1329

1.252

TD

. Grand English & Harmon - #1 - Stagner Permit 1649 3713

1980 FSL & 1980 FEL Sec. 31, T-17-S, R-31-E

60 qts. 2407-25			8 - 670-50 5 1/2-4100-30	S. Y. S.A.	570 1785 3205
	22-38	C 1844	3-21-39		
1. F. P8	ξ Λ			1.0	
CIR. Rewause	CONT D	TP PAGE	2.	19 4252 199 2425	

R-1329

PACE 2.

EDDY, N.M. English & Harmon - #1 - Stagner Permit

SO 2315-23, 3218-31, 3313-31, 3365-77,3394-3404,3595-3603,3658-73,4023-25,4085-95,4100-08,5W 440,4023-25, salt, sul. 4085.

Result Dailed est 2 bailers OPD after shot.

	is 1 Gelt	21-7-18		
Company lightness #1 Statement	Veli No.		S-T-R	
	1980 fr. 18 L	County		
Comp.	2-19-56	Field		
P. B.	Top Pay	Size / CSG. RECORD Depth	5ax 1	
l. P.				
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C. Bkr. Gor.	or, Gr.			
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5175 — Artesia Printing Co.				

BANTA FE NEW MEMOD 8/501

POST OFFICE BOX 20HB STATE LAND OFFICE MUILDING Fund E-105 Revised 7-1-81

Case 5 756

APPL	ICATION	FOR	AUTHORIZATION	TO INJECT

I.	Purpose: X Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? yes x no	;
II.	Operator: The Eastland Oil Company	
	Address: P.O.Drawer 3488, Midland,	
	Contact party: George D. Neal Phone: 915/683/6293	
111.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.	
IV.	Is this an expansion of an existing project? yes no yes no yes no yes yes yes	
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection	ın

- well. This circle identifies the well's area of review.

 VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and
- VII. Attach data on the proposed operation, including:
 - 1. Proposed average and maximum daily rate and volume of fluids to be injected;
 - 2. Whether the system is open or closed;
 - 3. Proposed average and maximum injection pressure;

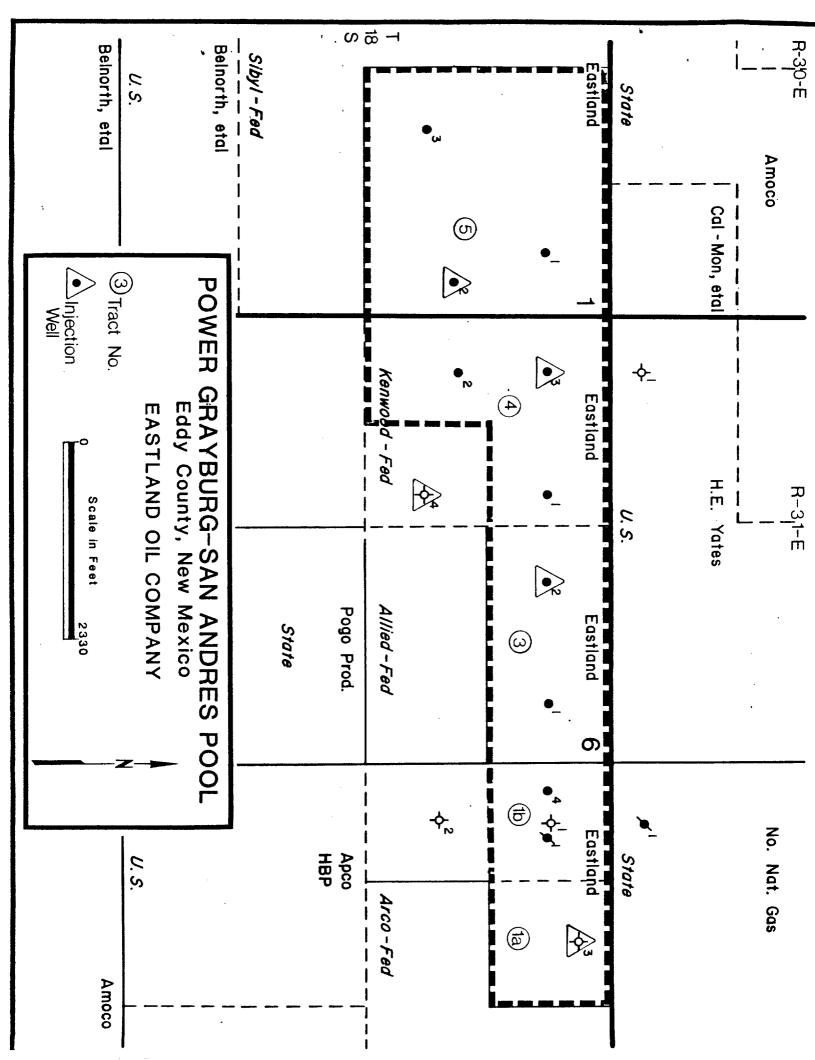
a schematic of any plugged well illustrating all plugging detail.

- 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
- 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
 - IX. Describe the proposed stimulation program, if any.
- X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
 - XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: George D. Neal	Title Vice President - Production
Signature: Lange Dheal	Date: November 20, 1985
If the information required under Sections VI. VIII. Y.	and XI above has been previously

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Producing well from Power Grayburg. Completed 9-4-71 Schematic Too Surface Casing Size 8.5/8 "Cemented with 350 a. To Surface Casing Size 8.5/8 "Cemented with 350 a. To Surface Casing Size 8.5/8 "Cemented with 350 a. To Surface Casing Size 8.5/8 "Cemented with 350 a. To Too Surface Test determined by Circulation Hole wize 100 feet determined by Grayburg are de	The Eastla	and Oil Company	Sibyl Fe	ederal .		
Schematic Surface Cosing	<u>2</u>	330' FEL & 1650' F	NI. 1		T18S	R30E
Schematic Surface Cosing Surface Cosing						. KANGL
Surf Surf Surface rest determined by Circulation Surface Gest determined by Circulation		•		Tobular	•	
Tot Surface Feet determined by Circulation						
Sucks Internediate Cosing Size Cemented with Sucks Internediate Cosing Size Cemented with Size Cemented with Size Corrosion Size 4-1/2 Cemented with 250 sx. Inhibited Total edge Corrosion Size 4-1/2 Cemented with 250 sx. Inhibited Total edge Corrosion Size 4-1/2 Size		Surf				
S-5/88 TOC Feet determined by		350			etermined by	Circulation
S-5/88 TOC Feet determined by	11	1 1 44-	Hole size	11.		
S-5/88 TOC Feet determined by	13.1					
Corrosion Size 4-1/2 Cemented with 250 ex.						
Corrosion Size 4-1/2 Cemented with 250 Max.	.		TOC	feet d	etermined by	
Corrosion Inhibited TOC 2100 feet determined by Galc Hele size 7-7/8 Total depth 3472 3443*PRTD TOC 8 2100' Injection interval (perforated)		071	Hole size			
Inhibited Pkr Fluid Hole size			Long string			
inhibited Pkr Fluid Hole size		Corrosion	Size4-1/2		emented with	250 sx.
Hole size 7-7/8 Total depth 3472' 3443*PRITD TOC @ 2100' Injection interval (perforated) 3428 feat to 3423 feat (perforated) 3428 feat to 3423 feat (perforated) 3428 feat to 3423 feat (perforated) 3302		Inhibited	TOC 2100	feet de	términed by <u>(</u>	Calc
TOC 8 2100' Injection interval (perforated) 3428		PKT Fluid	•			•
2100' Injection interval (perforated) 3428 feet to 3423 feet (perforated) or open-hole, indicate which) 3428 feet (perforated) or open-hole, indicate which) 5361 3312 to 3302			Total depth	3472'	3443'PRTD	
3428 feet to 3423 feet (perforated or open-hole, indicate which)		TOC @ .	Injection inter	val (nerforat	ed)	
250 sacks 3365 to 3361 3312 to 3302 2" EUE tbg w/epoxy internal coating @ 3280' Baker AD-1 Tension packer @ 3280' Csg perfs 3302'-3428' 7D 3472' Tubing size 2-3/8" EUE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer at 3280 feet (brand and model) (or describe any other casing-tubing seal). Other Data 1. Name of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? Tyes Ay No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well over been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (cacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Nates Co. Power Deep "32" State #1 producing from Bone Springs				-	-	feet
3312 to 3302 2" EUE tbg w/epoxy internal coating 8 3280' Baker AD-1 Tension packer 8 3280' Csg perfs 3302'-3428' 7					icate which)	, , , , ,
Baker AD-1 Tension packer @ 3280' Csg perfs 3302'-3428' Jension packer @ 3280' Csg perfs 3302'-3428' Jension packer @ 3280' TD 3472' Tubing size 2-3/8" FUE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer st 5280 feet (brand and model) (or describe any other casing-tubing seal). Other Data Name of the injection formation Grayburg Name of field or Pool (if applicable) Power Grayburg - San Andres Is this a new well drilled for injection? Tess AN No If no, for what purpose was the well originally drilled? Oil & Gas A. Has the well over been perforated in any other zone(a)? List all such perforated intervals and give plugging detail (macks of cement or bridge plug(a) used) No Solve the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Rone Springs	. 🛭	250 sack				
Baker AD-1 Tension packer @ 3280' Csg perfs 3302'-3428' 7D 3472' Tubing size 2-3/8" FIFE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer at 3280 feet (orand and model) (or describe any other casing-tubing seal). Other Data 1. Kase of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? Tyes AX No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this creu. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs						
Baker AD-1 Tension packer @ 3280' Csg perfs 3302'-3428' Tubing size 2-3/8" FIFE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer at 3280 feet (trand and model) (trand and model) (to describe any other casing-tubing seal). Other Data 1. Name of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? Tess AX No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (cacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this areu. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs			-2" EUE tbg w/ep	oxy internal	coating @ 328	30'
Csg perfs 3302'-5428' Tubing size 2-3/8" FIE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer at 3280 feet (brand and model) (or describe any other casing-tubing seal). Other Data 1. Kame of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? Tyes X No If no, for what purpose was the well originally, drilled? Oil 8 Cas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this ereu. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs				•		-
Csg perfs 3302'-5428' Tubing size 2-3/8" FIE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer at 3280 feet (brand and model) (or describe any other casing-tubing seal). Other Data 1. Kame of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? Tyes X No If no, for what purpose was the well originally, drilled? Oil 8 Cas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this ereu. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs						
3302'-3428' 3472		Bake:	r AD-1 Tension p	acker @ 3280'		
3302'-3428' 3472						
3302'-3428' 3472		Csg n	erfs			
Tubing size 2-3/8" FUF lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD -1 Tension packer at 3280 feet (brand and model) (or describe any other casing-tubing seal). Other Data 1. Name of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. 1s this a new well drilled for injection? Tyes No If no, for what purpose was the well originally drilled? Oil 6 Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this ares. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs				·		
Tubing size						
Tubing size 2-3/8" FHE lined with TK-75 (fusion applied powder epoxy) set in a Baker Model AD-1 Tension packer at 3280 feet (brand and model) (or describe any other casing-tubing seal). Other Data 1. Name of the injection formation Grayburg 2. Name of Field or Pool (if applicable) Power Grayburg - San Andres 3. 1s this a new well drilled for injection? Tyes XX No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	~ 1 / 1	<i></i>				
Baker Model AD Tension packer at 3280 feet				usion annlied	noudan annum	. set in a
(or describe any other casing-tubing seal). Other Data 1. Name of the injection formation Grayburg 2. Name of field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? The No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	Inplud stse _	2=3/8" FHF 11med		(muterial)	• •	
(or describe any other casing-tubing seal). Other Data 1. Name of the injection formationGrayburg 2. Name of field or Pool (if applicable)Power Grayburg - San Andres 3. Is this a new well drilled for injection?	Baker	Model AD 1 Tension	P	acker at	3280	feet
1. Name of the injection formation Grayburg 2. Name of Field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? The Mark No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		g seal).			-
2. Name of Field or Pool (if applicable) Power Grayburg - San Andres 3. Is this a new well drilled for injection? / Yes / No If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	Other Data					
If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	1. Kame of t	the injection formation	Grayburg			
If no, for what purpose was the well originally drilled? Oil & Gas 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	2. Name of F	ield or Pool (if applic	Power Gr	ayburg - San	Andres	
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs						
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	. If no, fo	r what purpose was the	well originally	drilled? <u>Oil</u>	Gas	
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs						
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	4. Has the w	cell ever been perforat	ed in any other z	one(s)? List	all such perf	orated intervals
this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs	and give	plugging detail (sacks	of cement or bri	dge plug(s) us	ed) No	
this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs						
this area. Harvey E. Yates Co. Power Deep "32" State #1 producing from Bone Springs						
		depth to and name of an	ny overlying and/ Co. Power Deep "	or underlying 32" State #1	oil or gas zon producing fro	nes (pools) in om Bone Springs
(7742' - 7926') in undesignated pool. No other producing zones in area.					•	

The Frankland Old G			
The Eastland Oil Company	LIASI Arco Fede	eral ·	***
3 330' FNL, 1980' F	FWL 5 SECTION	T18S	R31E
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
Proposed re-entry and comple	tion as injection wel	11	•
Schematic		Tahulan Data	
Seriemacie.	• • • •	Tobular Data	
1/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Surface Casing		
TOO	-10^{-1} $\frac{8-5/8}{1}$	Cemented wi	
Cir		feet determined b	Y Circulation
	Hole size11		
	Intermediate Casino	<u>0</u>	
	Size	" Cemented wi	th sx.
. 8-5/8"	•	feet determined b	
694'	Hole size		
	•		
тос	Long string (Pro		
1300'		Cemented wit	
(Calc)	TOC 1300	feet determined by	Calc
	Hole size	11	•
Corross	Total depth 3647'	(3570'PB)	
	ted Injection interval	perforated	
packer			foot
	(perforated or open	at to <u>3536</u> -hole, indicate which	7
	3504' to	3500 '	
	3486' to	3474'	
	011 man	•	
4-1/	- 2" EUE Tbg w/epoxy i '2" csg @ 3570'	internal coating @ 34	150'
Baker	AD-1 Tension pkr @ 34	1501	
		•	
Csg pe			
3474'-	3542'		
	•	,	•
PBTD	35701		
TD 36	47'		
Tubing size 2-3/8 FUE lin	ed with TK-75 (fusio	n applied powder epo	xy) set in a
Baker Model AD-1 Tension	•	r at <u>3450</u>	feet
(brand and model)			
(or describe any other casing-tubi	ng seal/.		
Other Data			
1. Name of the injection formation			
2. Name of Field or Pool (if appl	icable) Power Grayh	urg - San Andres	
3. Is this a new well drilled for	injection? /7 Yes	<u>∧</u> XV No	
If no, for what purpose was th	e well originally dril.	led? Oil and gas -	
Plugged and abandoned 2-28	-71		
4. Has the well ever been perform and give plugging detail (sack	ted in any other zone() s of cement or bridge	s)? List all such pe plug(a) used) <u>No zo</u>	rforated intervals
3410-3298 w/40 sx, 2805-269			
30' surface w/10 sx.			
5. Give the depth to and name of this area. <u>Harvey E. Yates</u>	any overlying and/or w Co. Power Deep !!32!! S	nderlying oil or gas . tate #1 producing fr	zones (pools) in
Bone Springs (7742-7926')	_	-	

radius).

<u> </u>	INJECTION WELL DAT	A SHEET
- The Eastland	d Oil Company Allied Feder	cal .
	660' FNL, 1980' FEL 6 FUOTAGE LOCATION SECTION	
	FOOTAGE LOCATION SECTION 11 from Grayburg. Completed 1-17-71	TUWNSIIIP RANGE
Troubling Well	· Completed 1-17-71	
<u>Schemat</u>		Tabular Data
	Surf Size 8 5/8	Cemented with 350 sx.
		feet determined by Circulation
	Hole size 11	
	Intermediate Cas	ing
	Size	" Cemented withsx.
•	0 4701	feet determined by
	@ 679' Hole size	
	Long string	450
		Cemented with 450 sx.
	Packer Fluid Hole size 7	7/8"
.	1 1 · · · · · · · · · · · · · · · ·	50'
	@ 2000' Injection interva	l (perforated)
		feet to 3440 feet en-hole, indicate which)
	3394'	to 3388'
	3337'	to 3333'
	2" FUE the Woney in	ternal coating @ 3300'
	Grayburg gas zone shu	
	Baker AD-1 Tension pa	•
	csg. perfs	
	3333' = 3444'	`
4 ½'' csg @ 3550'	TD 3550'	
6 2220		
Tubing size	2 3/8" EUE lined with TK-75 (fus	ion applied powder epoxy) set in a (material)
	el AD-1 Tension pac and model)	ker at 3300 feet
(or describe a	ny other casing-tubing seal).	•
Other Data	Q 1	
	e injection formation Grayburg eld or Pool (if applicable) Power Gra	vhurg - San Andres
	new well drilled for injection? /7 Ye	
'	what purpose was the well originally dr	
4. Has the wc and give ρ	ll ever been perforated in any other zon lugging detail (sacks of cement or bridg	e(s)? List all such perforated intervals e plug(s) used) Additionally
•	ed in Grayburg zone 3164 - 3174'. Pre	
**************************************	shut off by packer.	
 Give the d this area. 	epth to and name of any overlying and/or Harvey E. Yates Co. Power Deep 32 S	underlying wil or gas zones (pools) in tate #1 producing from Bone Springs
		producing zones in area.

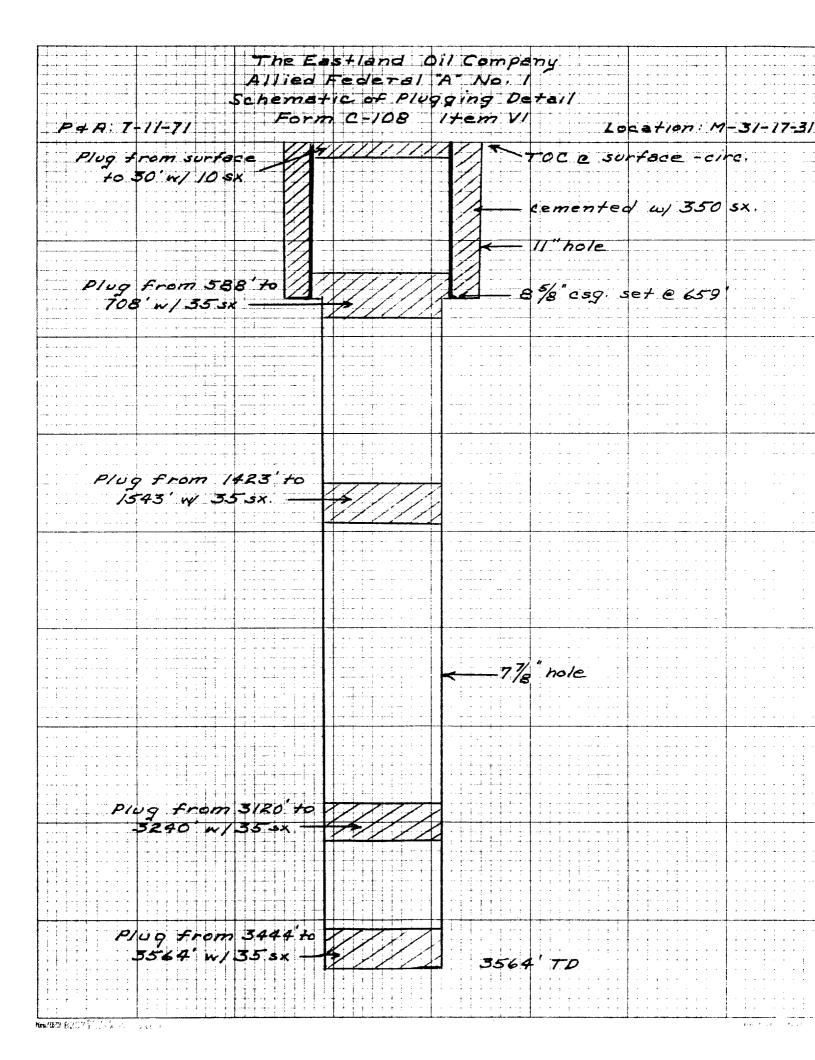
The East1	and Oil Company	Kenwood Feder	al .	
	660'FNL & 660' FWL		T18S	R31E
				RANGE
Producing	well from Power Graybu	rg. Completed 4-2	-71	•
Scho	ematic		Tabular Data	
1/1	TOC	Surface Casing	· .	
	Surface	Size 8 5/8	Cemented wi	th 350 sx.
			feet determined b	
		Hole size 11"		
		Intermediate Casis	ng	
			M Cemented wi	thsx.
	8 5/8" @		feet determined b	
	696'			
		•		
		Long string	Cemented wi	250
	Corrosion		feet detérmined b	
.	Inhibited Packer		8" seet determined b	y <u>carculation</u>
	Fluid			
	TOC	Total depth 3478		
	2050' Calc.	Injection interval		
	l l care.	(perforated or ope	et to 3435 en-hole, indicate which	feet
		3377 3323	to 3373 to 3315	
. N			3313	
	2" EUE tb	g w/epoxy internal	coating @ 3280'	
			Ü	
	Grayburg	gas zone shut off l	ny nacker	
			•	
	baker AU-	l tension packer @	32801	
	Csg. perf:	5		
	3315' - 34	441'	`	
1/2" csg 3478'	PBTD 3455' TD 3478'	.		
	2 3/8" EUE line	with TD-75 (Fusio	on annlied nowder end	xv) set in a
	_	(warelist)	
	del AD-1 Tension	pack	er at3280	feet
(or describ	e any other casing-tubing	; seal).		·
Other Data				
1. Name of	the injection formation	Grayburg		
2. Name of	Field or Pool (if applic	Power Gray	burg - San Andres	
	a new well drilled for i			
If no,	for what purpose was the	well originally dri	lled? Oil and Gas	
				
4. Has the	well ever been perforate	ed in any other zone	(s)? List all such pe	erforated intervals
_	e plugging detail (sacks ated in Grayburg gas zo			
***************************************	ff by packer.	ne 2121 - 2139, all	Open to well bore.	p <u>1984 of the American St. St. 1999 of the St</u>
	ne depth to and name of ar	ay overlying and/or	underlying oil or oas	zones (pools) in
5. Give th this ar	co. Harvey E. Yates Co	. Power Deep 32 St.	ate #1 producing from	Bone Springs
<u>in und</u>	esignated pool. No oth	er producing zones	in area.	

TABULATION OF WELL DATA
POWER GRAYBURG UNIT
ATTACHMENT TO FORM C-108 ITEM NO. VI

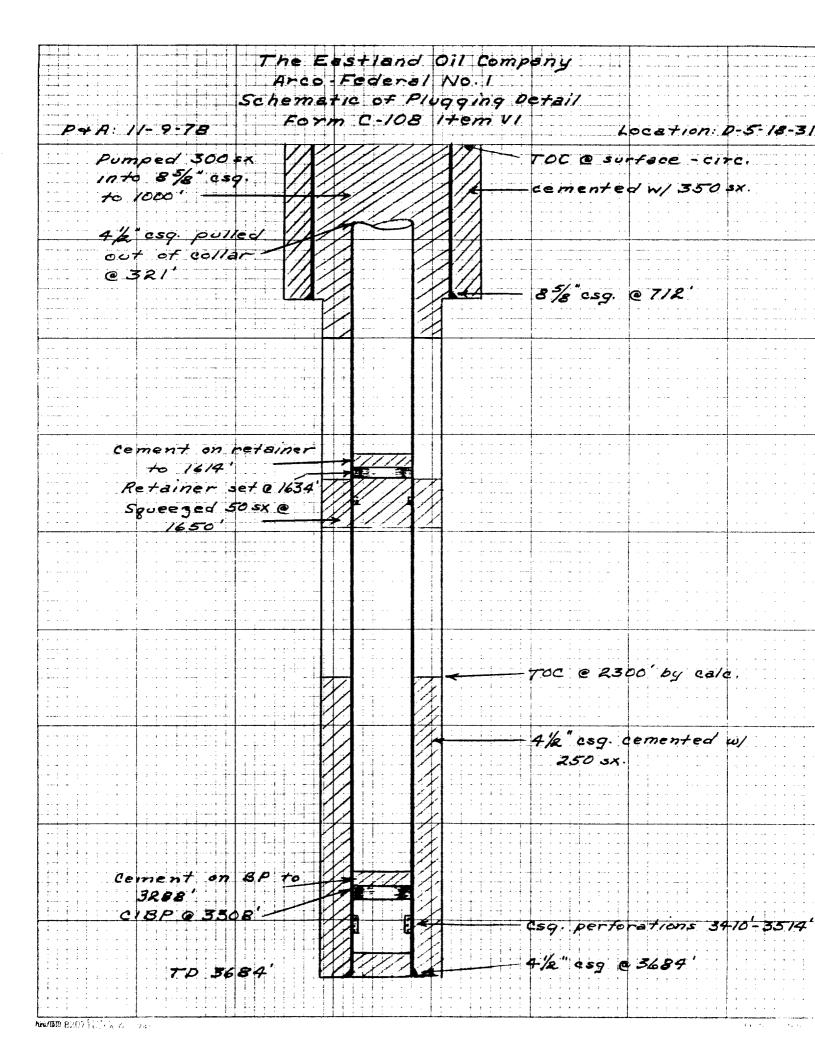
No. 3	No 2.	Kenwood Federal No. 1	No. 2	Allied Federal	No. 4	No. 3	No· 2	The Eastland Oil Company ARCO Federal No. 1	OPERATOR NAME LEASE NAME WELL NO.
D-6-18-31	E-6-18-31	C-6-18-31	в-6-18-31	A-6-18-31	D-5-18-31	C-5-18-31	E-5-18-31	D-5-18-31	LOCATION
011	011	011	011	011	011	Dry	Dry	011	TYPE OF
04-02-71	07-02-71	12-20-70	01-17-71	10-09-70	06-29-78	02-28-71	12-21-70	08-18-70	DATE DRILLED
Producing	Producing	Producing	Producing	Producing	Producing	P&A 02-28-71	P&A 05-10-75	P&A 11-09-78	PRESENT STATUS
8 5/8 4 1/2	8 5/8 4 1/2	8 5/8 4 1/2	8 5/8 4 1/2	8 5/8 4 1/2	8 5/8 4 1/2	8 5/8	8 5/8 4 1/2	8 5/8 4 1/2	SIZE
696 3478	657 3520	68 <i>7</i> 3845	679 3550	700 3870	701 3560	694	713 3963	712 3684	SET AT
350 250	350 250	350 450	350 450	350 250	350 350 Lite 250 "C"	350	350 450	350 250	SACKS
Surface 2050	Surface 2095	Surface 1420	Surface 2000	Surface 2400	Surface Surface	Surface	Surface 2030	Surface 2300	TOP OF
Circ. Calc.	Circ. Calc.	Circ. T. S.	Circ. Calc.	Circ. Calc.	Circ. Circ.	Circ.	Circ. T.S.	Circ.	DETERMINED BY
3441-3315 3139-3121	3427-3316	3462-3334	3444-3333	3831-3803 3486-3392	3524-3502 3498-3400	None	3878-3868 3723-3456 2663-2653 2160-2150	3514-3410	COMPLETION INTERVAL
3478 3455 PB	3520 34 97 PB	3845 3827 PB	3550 3519 PB	3870 3530 PB	3560 3536 PB	3647	3963	3684 3570 PB	TOTAL

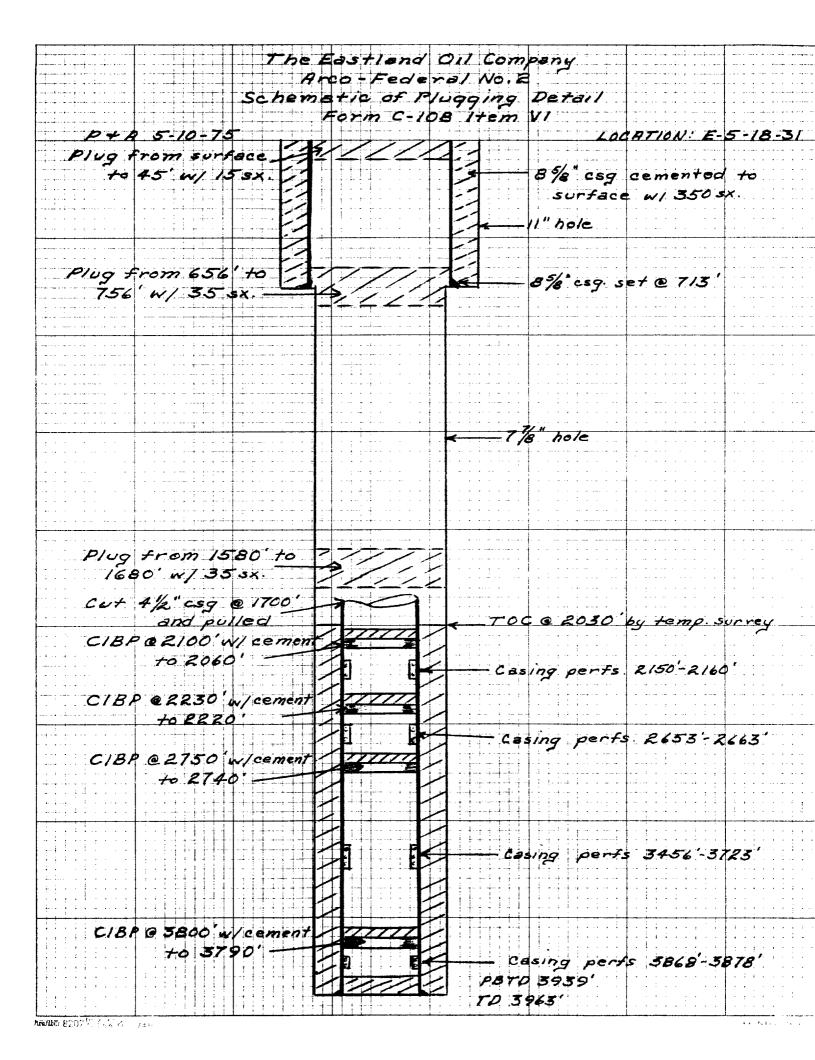
English & Harmon STAGNER No. 1	Harvey E. Yates Company Power Deep "32" State No. 1	Allied State No. 1	Allied Federal "A" No. 1	No. 3	No. 2	Sibyl Federal No. 1	No. 4	OPERATOR NAME LEASE NAME WELL NO.
J-31-17-31	L-32-17-31	м-32-17-31	м-31-17-31	G-1-18-30	H-1-18-30	A-1-18-30	F-6-18-31	LOCATION
Dry	011	011	Dry	011	011	011	Dry	TYPE OF WELL
12-19-56	04-08-85	03-21-71	07-11-71	09-01-83	09-04-71	07-09-71	02-19-76	DATE DRILLED
P&A 03-21-57	Producing	P&A 05-08-75	P&A 07-11-71	Producing	Producing	Producing	Water Disp. 08-24-77	PRESENT STATUS
8 1/4 5 1/2	13 3/8 8 5/8 5 1/2	8 5/8 4 1/2	8 5/8	8 5/8 4 1/2	8 5/8 4 1/2	8 5/8 4 1/2	13 3/8 8 5/8	SIZE
670 4108	608 3622 9611	700 3650	659	692 3698	671 3472	682 3512	720 4200	SET AT
50 30	500 1400 550	350 250	350	350 1050 Lite 350 Poz	350 250	350 250	675 1050	SACKS
470 3950	Surface Surface 6600	Surface 2225	Surface	Surface Surface	Surface 2100	Surface 2087	Surface 1300	TOP OF CEMENT
Calc.	Circ. Circ. Calc.	Circ. Calc.	Circ.	Circ. Circ.	Circ. Calc.	Circ. Calc.	Circ. T. S.	DETERMINED BY
2407-2425 60 quarts	7926-7742	3503-3493	None	3364-3308	3428-3302	3229-3194	3598-3506	COMPLETION INTERVAL
4252 2425 PB	11,700 8000 PB	3650 3625 PB	3564	3700 3706 PB	3472 3443 PB	3512 3487 pB	11,810 4110 PB	TOTAL DEPTH

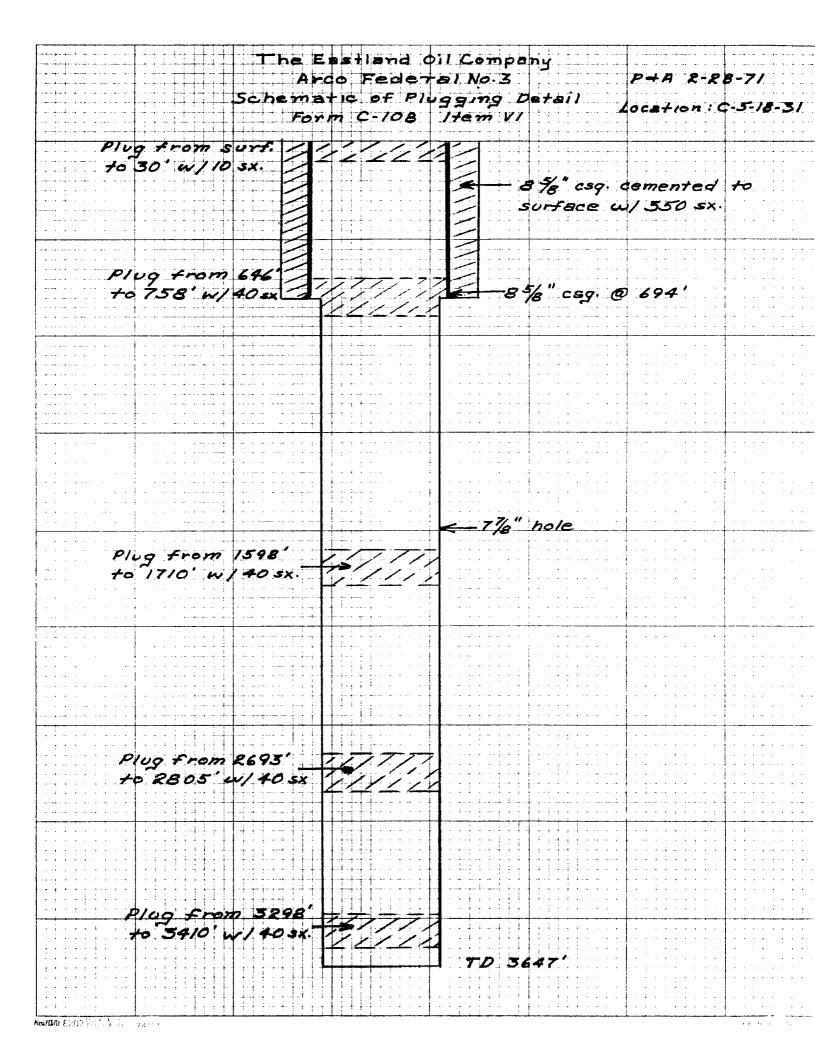
(Re-entry of above well) Solar Oil Company Atlantic Federal No. 1	Allied Chemical Atlantic Federal No. 1	Ernest A. Hanson Gulf State No. 1	(Re-entry of above well) Ernest A. Hanson STAGNER No. 1 (Could not clean-out below 295')	OPERATOR NAME LEASE NAME WELL NO.
D-5-18-31	D-5-18-31	L-32-17-31	J-31-17-31 295')	LOCATION
Dry	Dry	Dry	Dry	TYPE OF
05-16-69	02-07-69	12-03-56	12-19-56	DATE DRILLED
P&A	P&A	P&A 01-18-57	P&A 03-21-57	PRESENT STATUS
5 1/2	11 3/4 8 5/8	8 5/8 5 1/2	8 1/4	SIZE CASING
9004	719 3994	706 3814	670	SET AT
200	700 1024	100 250	15	SACKS
7924	Surface 1400	313 2457	Surface Plug	TOP OF CEMENT
Calc.	Circ. Calc.	Calc.	Circ.	DETERMINED BY
8850	1	None		COMPLETION INTERVAL
9004 PB	11025	4059 3814 PB	295 РВ	TOTAL DEPTH



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		Allie	d Chem	ICEL CO	70		
P4 A 2-1	7-69	Atlan	1 1 1 1 1		7 .	Loce	tion:
					mpany)	0-5	18-31
		Schemet					
			m C-108			ļ.,	
Plug	@ surfac	e w/	2/1/11	221111	11 11 1/4	cemente	d to
10	SX.					face w/ To	
							1
Pluo	From 619	1'+0	72777	17/7/	75	k"hole	
	19 W/60				11%	e 719'	
Plug	from 130	20'10	1///	2///	700	@ 1400'	
14	00 W/6	Osx.	X <		, , ,	7,700	
	l	1			<u> </u>		
		ļ i i i i i i		-	1	hole	
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		1				- W/	7.30
					1		
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טופ	9 From 3	894' 10	12/27	777			
,	994 WI-	The second secon		////	3/8	@ 3994	
	77						
		1	1				
		+		ļ , ,	-		ļ _.
Plu	g from	5800 to	77/	17//			
	5900'W/	35 sx.					
			1 · 1 · · · · · · · · · · · · · · · · ·		7	8 hole	
		1				B noie	
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	1			! · · · · · · 1	+ · · · · · · · · ·		1
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	Jug Fram	7.700 ±0	777				
· · · · · · · · · · · · · · · · · · ·	Jug from		37//	7///			
· · · · · · · · · · · · · · · · · ·	7800' WI	355x	37//	7//	Toco	7984	
	7800' W/	35 5x		7//	70C@	7924'	
	7800' W/	35 5x		7//	Toco	7984'	
	7800' W/	355x		7///	тос ©	7984' mented w,	200 sx
	7800 W/	35 5x	00 94 77		тос •	7924' mented w,	200 sx
	7800 W/	35 5x	00 94 77	7//			200 sx
	7800' W/Pulled 780	35 5x	30sx 3/2	7///	5½ ce		200 sx
	7800' W/Pulled 780	35 5x	30sx 3/2				200 sx
	7800' W/Pulled 780	35 5x	30sx 3/2				200 sx
	7800' W/Pulled 780	35 5x	30sx 3/2				200 sx
	7800' W/Pulled 780	35 5x	30sx 3/2				200 sx
	7800' W/Pulled 7800 Plug 8200 Plug 8800 Plug From 9393' W	35 5x	30sx 7				200 sx
	7800' W/Pulled 7800 Plug 8200 Plug 8800 Plug From 9393' W	35 5x	30sx 7				200 sx
	7800' W/Pulled 7800 Plug 8200 Plug 8800 Plug From 9393' W	35 5x	30sx 7				200 sx
	7800' W/Pulled 7800 Plug 8200 Plug 8800 Plug From 9393' W	35 5x	30sx 7				200 sx
	7800' WI Plug 8200 Plug 8800 Plug 8600 Plug 800 Plug 800 Plug 800	35 5x	30 sx 32 7				200 sx
	7800' WI Plug 8200 Plug 8800 Plug 8600 Plug 800 Plug 800 Plug 800	35 5x	30 sx 32 7			009'	200 sx

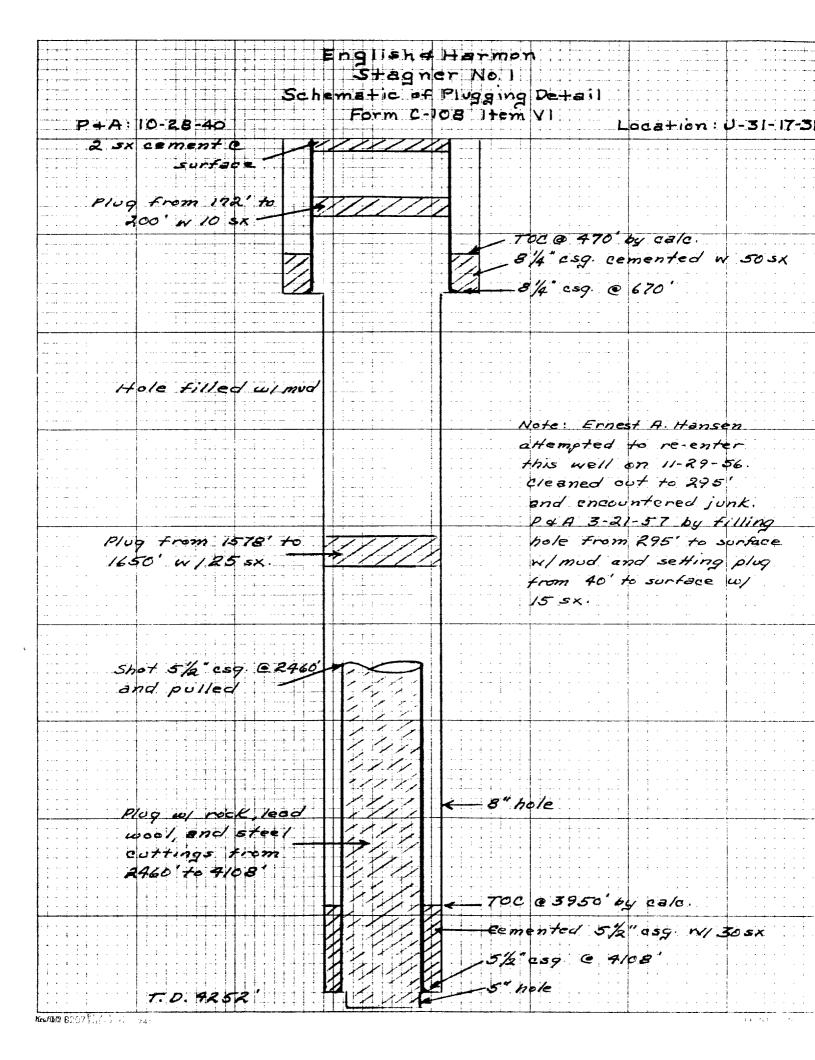






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P+A: 3	-8-75] - -		Į — į į į	T			Loc	etion: M	7-32-17-
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	g from su		1/2/	111		1//	-1-1			
	45' W/15	3x.		1						
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	plug from	2107	1	 						
	2027	25-0		1/	9741					
	2207'41	30 SX.	<u> </u>	17/16	444					
		1	/ J	A	-1	*	Th	C @ 2225	(calc.)	
	Shot and	pulled			· · • / 1		🜱			. .
	Shot and			1/1	الو ^ا كا _ن ا		1			.
	Shot and 2R09'-4									
							4/2	cs9. C 56	570	
							1/2 9¢	esg. e 36 mented v	50'	
							4 /2 qe	asg. @ 36 mented v	50' (/250 sx	
							4/2 - qe	asq. @ 56 mented	50' /250 sx	
							4/2	asg. @ 36 mented v	50' (250.5x	
	2809'-4	2"459					4/2	asq. @ 36 mented	50' x/250 sx	
	2209'-4- nent on	2"459					4/2	esq. e 36 mented v	50' /250 sx	
	2809'-4	2"459					1/2 00	asg. @ 36 mented v	50°	
**************************************	nent on 34.30'	2" a s q					- <i>q</i> ¢	mented v	// 250 sx	
**************************************	2209'-4- nent on	2" a s q				1 1 1	- <i>q</i> e	mented v	// 250 sx	
**************************************	nent on 34.30'	2" a s q				1 1 1	- <i>q</i> e	mented v	// 250 sx	
**************************************	nent on 34.30'	2" a s q					c * 9 , p & 7 (perfs. 3.	// 250 sx	
	nent on 34.30'	2" a s q					- <i>q</i> e	perfs. 3.	// 250 sx	

			Er	nest A	Hansen				
- <u></u>				14 5+a+					
		Sch	ema	tic of	Plugging	Detai	/		
P+A 1-	18-57		FO	m C-10	8 Item	V/	Loca	Hion: L-	32-17-31
	From sur	FRCE	V //	77///					
	40' W/ 15		1						
					<u> </u>	TOC C.	313	by calc	•
		1				-cemer	77 60	W/ 100	
		201	1//	77777					
- Lug	630'w/	70 -1		[[]]	42	85/8"	~ 7		
	630 W/	15 3 X LL		·		6/8	@ /	06	
			-						
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						.			
		III							
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PIL	g from	1608' +0	, 	7777					
	650' W/1	15 SX .		[][]	M				
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						·			
PI	un From	2293		7////					
	09								· C · · · · · · · · · · · · · · · · ·
	to 2335	w/1552			She	04 5/2"	esg.	@ 2335	and
		w/1552				pulled			and .
		w/15si				1			3nd
		w/15 ⁻ 51			70	pulled Cara	7'6	y calc.	and
		w/15 ⁻⁵³			70	pulled Cara	7'6		and
		w/15 s			70	pulled Cara	7'6	y calc.	snd .
		w/15 s			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
		w/)5'53			70 Ce	pulled Cara	7'6 (w)	y calc.	and .
		w/)5 s			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
		w/)5 s			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
		w/)5 s			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
		w/)5 s			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
		w/)5'5			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
		w/)5 = 5			70 Ce	pulled Carte mented	7'6 (w)	y calc.	
		w/)5 s			70 Ce	pulled Carte mented	7'6 (w)	y calc.	
		w/)5 = 5			70 Ce	pulled Carte mented	7'6 (w)	y calc.	and
	70 2355 ·				70 Ce	pulled Called mented	7'6/w)	y calc.	and
	70 2355 ·				70 Ce	pulled Called mented	7'6/w)	y calc.	
	70 2355 ·	770 38/4			70 Ce	pulled Called mented 1/8" hol	- C	y calc.	
	70 2355 ·				70 Ce	pulled Called mented	- C	y calc.	



		INJEC	TION WELL DATA	SHEET			
٠.	-The East	land Oil Company	Kenwood Federa	1 (SWD).			
	4	1980' FNL & 1980' FWI.			T18S	R31E	
•	WELL NO.	1980' FNL & 1980" FWL FUDIAGE LOCATION	SECTION		TUWNSHIP	RANGE	_
-	Original:	ly drilled as American Qua	sar Power Deep Uni	it No. 1			
	Sak	· nematic		* .			
	301	•	f	Tobular	Data		
		100	Surface Casing	_	_		
			Size 13 3/8				
			Surface			Circulation	_
		675sx	fole size 17 1	1/2''			
		17 ½'' Hole	Intermediate Casing	2			
			8 5/8				
		13 3/8 1 @ 720'	1300	feet	determined by	Temp Survey	
		1 1 1 1	lole size 12 1/4	4''	·		
_		TOC @ 1300' <u>1</u>	.ong string None	Set			
Corro: Inhib:		1050sx	iize		Cemented with	•	.
Pkr F	1/1	7	oc				
	7				•		
			otal depth 11,81				
			•				
		Hole	njection interval		7500		
			perforated or open	t to -hole, in		feet	
		2 1/2" j	nternally plastic	coated t	tuhing @ 3443	(t	
			ic-coated packer s			-	
	1		n zone 3506' - 359				
Cemer	nt 1			30			
_	from -4310	8 5/8 csg	g @ 4200'				
w/70	1				,		
		← 7 7/8" hole					
	L						
		TD 11 0101					
-		TD 11,810'					
		2 7/8" EUE lined w	TK-75 (fusion	n applied	l nowder enox	V) est in a	
	Tubing size	2 // 6" EUE Ined W	(ma	eterial)	powder epox	2)	
	GO G-LOK	cand and model)	packet	r at3	3443	feet-	
	•	ce any other casing-tubing s	eal).			•	
	Other Data						
	1. Name of	f the injection formation	Grayburg				
		f Field or Pool (if applicab		rg - San	Andres		
	3. Is this	s a new well drilled for inj	ection? <u>/</u> 7 Yes	<u>/X</u> 7 N	lo		
	If no,	for what purpose was the we	ll originally drill	led?(Oil and Gas		-
							-
	4. Has the	e well ever been perforated	in any other zone(s	s)? List	all such per	forated interval	8
	and gi	ve plugging detail (sacks of	cement or bridge (bind(a) n	No No		_
		s Morrow test by American	Quasor Petroleum (to. of No	ew Mexico and	prugged	_
		to 4110° on 2-21-76				_	_
	5. Give to	he depth to and name of any rea. No overlying or unde	overlying and/or un rlying oil or gas	nderlying zones pi	oil or gas z roductive in	ones (pools) in this area.	_
			•	_	•		

The Eastland Oil Company

Power Grayburg Unit

Eddy County, New Mexico

November 20, 1985

Attachment to Form C-108: Statement of Proposed Maximum Injection Pressure for Water Injection Wells

Based on required injection pressure for Eastland's Kenwood Federal No. 4, a saltwater disposal well in the Power Grayburg Pool, a maximum surface pressure of 1000 psi is proposed for this secondary recovery project. A copy of the letter from the Oil Conservation Division dated July 17, 1980 authorizing this surface pressure is attached.