ATTACHMENT 1

ACTIVE OIL AND GAS WELL DATA; PERMANENTLY PLUGGED OIL AND GAS WELL DATA



						Attachement 1, jable	A	Ì	ł	ł						
MapNumber	API OPERATOR	RANGE	FOWNSHIP SEL	CHON TVDDEP	TH ZONE V	VELLNAME	WELLIYPE CO	DMPLSTATUS	OUNTY EL	EVGL EWI	CD FIGEW	FIGNS LATITUDE	LONGITUDE	JTME UTN	IN Miles	
11	3002500911 SIMMS & REESE OIL CO	32E	19.05	19 1	640 Shallow C	ULF 001	0	ugged	5	3500 W	396	2310 32.6450990	02 -103.810947	611524.738 361	2378,096	0.06
10	3002500904 CARPER DRILLING CO	32E	19.05	19	B62 Shallow 1	AILLER 002	0	nggad · · · ·	2	3500 W	1980	1980 32.6441819	11 -103.8077117	611829.346 361	2279.827	0.15
15	3002500909 I DM R CONE	32£	19.05	19.	490 Shallow (ULF FEDERAL 003	Ā 0	tive	ea ea	3500 W	1650	1980 32.6478192	23 -103.8088029	611722.469 361	2681.913	0.25
	3002500902 I ANDEM ENERGY CORPORATION	325	19.05	7 61	634 Shallow A	AILLER FEDERAL 001	0	tive	e e	3500 W	660	1980 32.6478300	103.8120347	611419.326 36	12679.72	0.25
15	3002520247/EL PASO NATURAL GAS	326	19.05	19 11	432 Deep L	USK DEEP UNIT 006	0	ugged	ea.	3500 W	660	660 32.64056	57 -103.8120069	611430.941 361	1874.562	0.29
1001	3002535291 COG OPERATING LLC	326	19.05	19 12	718 Deep 1	USK DEEP UNIT A 021	¥ 9	tive	e a	3539 W	1750	660 32.6405555	93 -103.6084486	611764.735 361	1877.073	0.29
135	20015057901PLAINS PROD CO	316	19.05	24	876 Shallow 1	ONES 007	1d 0	ugged	day	3500E	330	2310 32.6451075	55 -103.815256	611120.55 361	2374.524	0.30
Vo	3007534573 LOG OPERATING LLC	325	19.05	19 12	S40 Deep	USK DEEP UNIT A 014	A S	tive	2	3556 W	966	1650 32.6487335	103.810961	611518.913. 361	2781.006	0.30
50	2002520876 TOM R CONE	ž	19.05	19	223 Deep C	ULF FEDERAL 003	R O	tive	-	3500 W	1678	1650 32.64872	26 -103.808715	611729.586 36	12782.53	0.31
91	200550910 LOM & CONF	127	19.05	19.	500 Shallow	ULF FEDERAL 002	V O	tive	ea	3500 W	2310	1980 32.6478119	97103.8066484	611924.561 361	2683.377	0.31
	2002500907 KELLY G STOLE	321	19.05	19	552 Shallow 5	OUTHERN CALIFORNIA 002	0	urged	ea	3500 E	2310	2310 32.6450787	7 -103.8044838	612131.003 361	2382.657	0.34
12	2002520122 COG OPERATING LEC	326	19.05	19 12	554 Deep L	USK DÉEP UNIT A 005	6 A	tive	2	3 00056	1980	1980 32.6441681	13 -103.8034042	612233.405 361	2282.843	0.40
001	3001505785174001 M ENERGY CORPORATION	Ĭ	20.61	24 2	470 Shallow C	HIO JONES 001	A	tive	ddy .	3500 E	660	1980 32.6478347	73 -103.8163437	611015.155 361	2675.722	0.43
BVI	NOTSTORED PHILLIPS OF TROLETIM CO	j,	19.05	24 11	540 Deep L	USK DEEP UNIT 008	1	urged	ddv	3551 E	066	1650 32.6432906	51 -103.8174035	610921.36 361	2170.853	0.43
-	3002500906170M R CONE	321	19.05	61	715 Shallow 5	OUTHERN CALIFORNIA PET FEDERAL 001	V O	tive	ea	3500 E	1980	1980 32.6478003	36 -103.8034133	612228.014 361	2685.505	0,46
6	1002500903 CARPER DRILLING CO	326	19.05	19 2	VI wolley N	AILLER 001	0	ngged L	69	3500 W	999	660 32.6514583	103.8120487	611413.513 361	3081.941	0.49
	JOADSCAODA VELLY & STOLE	'OF	19.05	19	695 Shallow S	OUTHERN CALIFORNIA 003	đ	l l	3	3500 E	2310	990 32.6505255	57 -103.8044972	612122.948 361	2986.478	0.53
ac	3002500054 CHISOS 11D	321	19.05	30	286 Deep [IELHIFEDERAL 001	Ā	tive	53	3548 W	1980	660 32.636925	53 -103.8076849	611840.891 361	1475.385	0.54
122	3001210001 CHI303, LTC	1 2 2	50.61	19 13	660 Deep	USK DEEP UNIT A 024H	Ā	tive	2	3569 W	660.	330 32.6523654	17 -103.8120521	611412.069 361	3182.497	0.55
121			SUBI	, c	SAD Den	I DEED HEDERAL OUT	4	tive	2	1537 W	1650	9901 32.6360215	55 -103.8087585	611741.303 363	1374.065	0.59
201		111	10.00	CIEU ON NC	Shallow	DNF CADE		tiosed	1	TONE	. Page	660 32 6514675	103.8163576	611009.368 361	1077 936	0.60
133	SOUTOUS REAL PRODUCU		50.61	110 011 - 7	C15 Doon	THEF & FED COM DOT		parent parent	190	1005	0871	1980 12 6478301	103 8199948	610672 235 361	2671 395	190
145	3001510393FINA UL & CHEMICAL		12,00		CCA Challow			10000	144	10055	10801	1080 32 64 29 100	2039068 201- 80	191 961 961 961	102 00 20	29.0
151	JOULDUS / BB ANULM ENERGY CURPONATION		10.01			HBCU VIINI VIINI ASI		w Not drilled at comply		15.70 W		230 32 GEAA584	C257518 501- 51	611298 512 361	3413.783	17.0
110	JUDZALIZATICOC OPERATING LLC	176	50.61	30	Fd0 Deen	I DEEP EFDERAL 002		tive	2	W (15)	1980	1800 32,6337917	103.8076729	611845.916 361	1128.011	0.75
	JUV2556257 LOG UPERATING LLC	1	19.05		780 0000			alite	-	1578 W	660	785 32 6554302	28 -103 8120636	611407 189 361	3522 252	97.0
36	3002535035[CUG UPERAIING LLL	375	10.01		And Dec	TOU FEDERAL MOT				2522 W	199	TOLEED 20 19801	27 -103 R119794	611447 518 361	1070 119	97.0
80	3002532678 UX4 USA INL		13.02							1002	10001	DI D		196 966 90019	VEA CEVE	202
134	3001505789 MACK ENERGY CURP		19.05	101	MOIPUC CTC			uggen		2001	Vac	1154100.35 ODD	0000028/007 10	192 201 022010	1762 673	87.0
115	3002540260 COG OPERATING LLC	1	50.51		1220 Deep	USA ULEF UNIT A UZ3A		1			100	2017132 LC 033	020102/ COT 03	196 201.00/210	C / D / C / T	10.0
1	3002500905 COG OPERATING LLC	375	129.05	14	423 Deep	USK ULEP UNIT A UUT	5 C	- Internet	3	32000	100	371#1C0/7C 000	761166/"EDT- 60	100 110 070710	67C'0605	10.0
Ę,	3002500900 EL PASO NATURAL GAS	17	50.61	18 18	19/4 Deep	USK DLEP UNIT DUZ			2	2000	1981	505065076 000	10110101111	195 /51/17719	102.254	0.03
31	3002520104 DXY USA INC	32	19.05	30 12	4/5 Deep	11011 HALL A (00)		live	2	35001	900	000 52.6368972	14/066/101-102	105 001.040.110	1481.365	28.0
110	3002539538 COG OPERATING LLC	326	19.05	30	Seep 2	L DEEP FLUEAAL 004H	Ā	Tive	69	352/W	199	2310 32.63240	60/6118:01- 50	611443.9/1 301	0369.262	0.84
132	3001505787 PLAINS PROD CO	316	19.05	24 No Data	Shatlow J	DNES D03	0	ugged	Ą	3500 W	1980	1980 32.6441877	79 -103.8248936	610217.686 361	2262.516	0.86
144	3001510277 DOWDCD INC	31E	19.05	24 11	530 Deep	DNES C FEDERAL 001	H O	ugged	ddy	3540 W	1980	1730 32.6435006	53 -103.8248911	610218.763 36	12186.34	0.86
116	3002540193 COG OPERATING LLC	326	19.05	20 13	1706 Deep L	USK DEEP UNIT A 025H	0 	tive	e a	3576 W	330	1800 32.6482685	86 -103.7958737	612934.609 361	2745.437	0.88
147	3001510189 FINA OIL & CHEMICAL	316	19.05	25 12	1 dea0 577	DNES FEDERAL 002	0	ugged E	ddy	3542 E	1650	1650 32.6342171	17 -103.8195223	610733.795 361	1162.759	0.89
140	3001510119H N SWEENY	316	19.05	13	400 Shallow A	AALONE FED 001	1d 0	g paggr	ddy	3500 E	1980	330 32.6541786	58 -103.8206781	610600.796 361	3374.491	0.90
122	3002541513 COG OPERATING LLC	326	19.05	20	0	USK DEEP UNIT A 030H	0 N	w (Not drilled or comp!)	ea	3563 W	360	330 32.6396083	38 -103.7957542	612956.705 361	1785.458	0.91
19	3002500913 EL PASO NATURAL GAS	326	50.21	20 12	621 Deep L	USK DEEP UNIT 003	0 PI	ligged	ea -	3500 W	660	1650 32.6486788	34 -103./947975	613035.036 361	2792.032	0.95
147	2001510357 PHILLIPS PETROLEUM CO	316	19.05	13 11	600 Deep 5	IMDN A 001	td 0	1 ged	ddy	3556 E	1980	660 32.6550857	73 -103.8206816	610599.351 361	3475.044	0.95
	300753087415HACKELFORD OIL CO	32E	19.05	20 11	467 Deep 1	USK WEST DELAWARE UNIT 012	W	tive	63	3568 W	966	1650 32.6432315	55 -103.7937066	613144.217 361	2189.304	0.97
19	TODICAL TOTOL OF BATING IT	310	19.05	13	725 Deep A	AARGARET 13 FEDERAL 001	0 At	tive	App	3553 E	1980	860 32.6556354	16 -103,8206837	610598.477 361	3535.985	0.98
150	200153135706VONFINERGY PRODUCEION COMPANY, LP	311	19.05	24 12	750 Deep R	ADAR 24 FEDERAL 001	0	tive	ddy -	3541 W	1980	660 32.6514521	12 -103.82492	610206.298 361	3067.813	0.98
65	anossasons inde opraating the	325	19.05	20 12	750 Deep	USK DLEP UNIT A 017	6 A	tive	. ee	W E95E	890	660 32.6405111	103.7940263	613117.653 361	1887.379	0.98
20	3002534874 COG DEEBATING LLC	366	20.91	18 12	520 Deeg	USK DEEP UNIT A 013	- V U	tive	53	3587 W	1980	1980 32.6587005	22 -103.8017664	611806.143 36	13889.31	0.99
		1	19.05	25	550 Deep	DNES B FEDERAL 002	la	1 Feed	- Add	3532 W	1980	660 32.6369313	12 -103.8248677	610229.016 36	11458.09	1.00
341		15	30 61	0	325 Deep	LLIOTT HALL B 002	14	Japan L	2	3524 W	1997	1980 32.6296665	51 -103.8076015	611857.747 361	0670.766	1.03
4			19.05	81	820 Shallow L	VSK FEDERAL 001		1 I	2	3500 E	1980.	1980 32.6586852	7 -103.8034418	612211.742 361	3892.183	1.06
10			20.01		11 Dean	NES REDERALOOT		1000	A H	101.51	660	19801 32 6296291	1 -103.8162737	611044.151 36	10663 06	1.08
13,	3001510056LYNX PLIKULEUM CONSULIAMISINC		10.01		100 Deep			1		2000	100	1650 27 6797605	0190118 501 8	196 286 26113	0566.745	- 00
- 73	3002531039 OXY USA INC	ž	19.05	DF C	300 Deep	EDERAL JU OUL		TIVE		3500 W		1001 02012 CE0/0201	6706110'EOT- 00	100 69/16+HIN	1 20 22 20	50.7
"	3002532448 COG OPERATING LLC	1	19.05	105	daan noz	t UL KAL USA J UU4		1		1010	1300	1000570 70 0001	/10000001- 6	100 +0.00770	1012 AC 47 30	1
<i>!</i> 6	3002535088 COG OPERATING LLC	375	50.61		a / a Deep	L DEEP FEDERAL CUM UNI	2	- Allo		1001	000	0100070'70 NOUT	annezherent. be	100 760.60210	1104 012	
ΞE	3002520156 EL PASO NATURAL GAS	34	C0:61	2	40/ Ucep			1 PERG		10000	1010	FOREN PER LE LOOV	antoco cut c	1 7E 0L8 LV0003	102 0220	1 1
145	3001510278 DEVON ENERGY PRODUCTION COMPANY, LP		19.05	24 11	550 Deep	UNES D FEDERAL DUT	N N	tive	À.	W 0251		1980 37.54/8184	102 705 705 000 0	105 679.708609	1001 001	
-	3002539853 CIMAREX ENERGY CO. OF COLORADO	375	19.05	5 67	Z11 Deep	UUINERN LALIFURNIA 29 FEDERAL UIDH			2	2000	C/7	1007EC0.7C 0001	102 100 100 100	100 6TE-C06710	1201 1011	
96	3002534173 CIMAREX ENERGY CO. OF COLORADD	325	19.05	20	630 Deep	USK WEST DELAWARE UNIT 011		12860	2	35/4 W	1980	1980 32,6441303	2//mn6/.cn1	013440.002 301	2292.409	1
85	3002534032 SHACKELFORD OIL CO	326	19.05	70	10301041	USK WEST DELAWARE UNIT UND	N I	1		2018 W		10/00h075 0501	0/016/ 501- /	TOC COT + 0000	100T.CE12	
170	3001536562[LYNX PETROLEUM CONSULTANTS INC		19.05	1		UI LIPS 25 FEDEXAL DUED		W (NOT DITIES OF COMPTI	Ann	1 0010	105	1000 31 55 0303 545	DECT070-COT 0	101 000 0101000	A0.00411	111
	3002500901 P B ENGLISH	3	19.05	9 01	MOIPUS OTO				. :	32001	200	01930C3 CE 0061	VELVOOL EV1- 34	9E V8 (59615	1057205	
26	3002500927 PAUL E HASKINS	ų,	10.01	1	WUILFIELDER			10000		A NY SE		1980 37 55 1980	1000018 201- 00	196 01 96119	122 357	1 24
14	3002531639 MARBOB ENERGY CURP		19.02	97				1		35.47 5	022	1980 37 6706395	2000202201	192 200 852210	110 120	1 25
76	3002532447/CDG 0PERATING LLC		12.02		zou neep				141	3000 M	10166	000283316 0001	COCCUT (10 COL 11	136 310 300 1710	903 52 55	201
158	3001523781 LYNX PEROLEUM CONSULIANISING	1	50.51		178 Dan	U FEOERAL 041			144	1538 W	1001	1045 37 6503864	101 8107594	192 010:0010	1.69 2.000	1 26
180	3001540947/JDEVON ENERGY PRODUCTION COMPANY, CP		10.61		615 (heen 1	THE MEET THE AVABLE LINET OF			·	3561 W	1880	1290229 22 066	103.7907887	613427.0R6 361	1387.143	28
\$8	SUU25341/2 CIMAREX ENERGY CO. OF COLONDOU		20.61	9	A Deel Cre	ALMONG 24 FEDERAL COM ONTH		tive	lity	35.28 W	275	582 32 6516594	103 8304866	191 944 19909	3085.032	1 28
481	JULISAUBZB IDEVON ENERGY PRODUCTION CONFANT, LT	375	10.02	1 -		BAZY HORSE SEDERAL COM DOTH		w (Not dritled or comol)		3601 W	4201	1750 37.6629849	1018126101- 00	611321 621 361	4158 919	2
112	JU02541590 LUG UPERATING LLC	100	19.05	1	754 Deep	USK DEEP UNIT A 019	N N	tive	-	3584 W	1650	660 32.6550213	1 -103.7915807	613328.754 361	3498,593	1.51
56	300/2353244 LUG UPERATING LLL		SU DI	11	477 Deen S	WEENY FEDERAL COM DOT	1	15 Isotation Isotation	\pp	3541 W	760	660 32.6550753	1 -103.8289155	609827.123 361	3465,341	TER
701	JOUISIUSE ETMA PERMOLEUM CONSOLIAMISMIC	102	30.61	29	294 Deep 5	OUTHERN CALIFORNIA 29 FEDERAL 017	V	tive	2	3350 W	3301	1980 32.6296320	81 -103.7958421	612960.996 361	0679.387	1.32
	POOLED POOL DIMARKA ENCADE CO.	102	19.05	17	470 Deep	USK DEEP UNIT 011	6	Jrged		3500 W	1066	1650 32.65/7471	8 -103.7937425	613122.568 36	13798.48	1.33
12	20022222042215 FEROLEUM CORPORATION	32E	20.61	0F	270 Deep	LOOD AFN FEDERAL 001	0 40	tive	2	3525 W	660	330 32.6251412	8 -103.811948	611455.59 361	0164.526	1.34
143	1001510738[DELHI FAYLOR OIL	316	19.05	23 23	460 Shallow J	DNES FED 2 003	0	lged [App	3500 E	660	1980 32.6441766	103.8335116	196 755.90409	2252.367	1.36
12	and Schild Shell OIL CO	375	19.05	18 12	505 Deep A	AIDDELTON A FEDERAL 001	Id 0	1 paged	e	3500 E	066	1980 32.6623091	5 -103.8002189	612509.46 36	14297.34	1.36
: 6	2002.230461 SHACKELFORD OIL CO	326	19.05	29 7	210 Deep L	USK WEST DELAWARE UNIT 912	0	tive		3550 W	660	1980 32.6296290	103.7947651	613062:039 361	0680.192	1.36
182	2001540099 DEVON ENERGY PRODUCTION COMPANY, LP	316	19.05	26 5	266 Deep 5	PICA 25 FEDERAL 001H	Ac D	tive [5	dy	3498 E	280	380 32.6376913	103.832247	609535.86 361	1534.714	1.37
15	3002524869 SHACKELFORD OIL CO	326	19.05	20 12	759 Deep L	USK WEST DELAWARE UNIT 007	A	tive	P	3500 E	2300	1660 32.6486350	103.7872798	613740.215 361	2795.205	1.37
36	3002520367 COG OPERATING LLC	325	50.61	30 11	296 Deep 1	EDERALUSA J 001	0 Pe	tive		3500]E	660	990 32.6269206	103.79907091	612661.484 361	0375.368	1.37
		1														

36 121	21	93	111	128	101	61	105	181	88	101	69	139	24	56	1	1/5	167	66	49	109	87	40	44	1/2	59	51 0		11	165	104	1981	121	18	138	42	68	57	84	101	173	З	174	120	125	67	153	37	161	06 0	34	54	141	171	184	50	59	75	154	129	62	14	48	18/	150	151	160	181	apNumber AP			
3002520323	3002500915	3002534283	3002540705	3001505/83	3002538736	3002530439	1009536157	3001540041	3002533548	3003530604	3002530597	3001510114	3002500925	3002530133	01250057005	3001538149	3001535754	3002530518	3002521677	3002539484	3002534131	3002520563	3002520875	3001540105	3002530093	3002530494	11/10020005	LALVESCOOL	3001534784	1002535750	1001540221	3001534132	216052005	300153/144	3002520813	3002530524	3002530164	3002534031	3002535340	3001537185	3002539634	3001538148	3002541389	300153/265	10025305231	3001510495	3002520359	3001531568	3002530329	3002520161	3002530094	3001510136	3001536750	3001540219	3002522280	3002530328	3002532051	3001510584	3001505784	3002530490	PUVLESCOOL	3002521488	3001540222	3001510394	3001510395	3001531362	3001540098	-			
COG OPERATI	CULBER ISON &	CIMAREX ENER	COG OPERATIC	ENDURANCE R	COG OPERATI	CIMAREX ENER	COG OPERATIO	DEVON ENERG	SHACKELFORD		ENDURANCE	H N SWEENY	CIMAREX ENEI	TEXACO EXPLO	TIMAREX ENFI	TEVACO EVELO	APACHE CORP	SHACKELFORD	COQUINA OIL	COG OPERATI	SHACKELFORD	MARBOB ENER	EL PASO NATU	DEVON ENERG	CIMAREX ENU	CIMAREX ENER	NEVON I NERO	ASPEN OIL INC	COG OPERATIO	APACHE CORP	DI VON ENERG	CIMAREX ENE	CULBERISON,	CUG OPLIKA I	COG OPERAT	CIMAREX ENE	CIMAREX ENE	CIMAREX ENE	DEVON ENERG	COG OPERATI	CIMAREX ENE	COG OPERATS	COG OPERATI	COG OPERATI	CIMAREX ENF	PHILLIPS PETR	TEXACO EXPLO	COG OPERATI	SHACKELFORD	ENDURANCE	SHACKELFORU	MCFARLAND (COG OPERATI	DEVON ENERG	KINCAID & WA	SHACKELFORD	COG OPERATI	FINA DIL & CH	INREE STATES	SHACKELFORD	TEXACO EVEL	SHACKELFORD	DEVON ENERG	DEVON ENERG	TENNECO OIL	MARBOB ENE	DEVON ENERG	OPERATOR			
N PLIKOLEUN	& IRWIN	RGY CO. OF CO	NGLIC	ILSOURCES LU	NGLLC	RGY CO. DF CC					IESOURCES LU		RGY CO. OF CO	DRATION & PR	RAY FO OF CO	NG LLC		011 CO	CORP	NGLLC		RGY CORP	IAAL GAS	SY PRODUCTIC	RGY CO. OF CO	RGY CD. OF CO		10 110	NGIIC		AND LEE	NGTO, UT C	INVIN D	NGILC	NGLLC	RGV CO. DF CO	RGY CO. OF CO	RGY CD. OF CO	ST PRODUCIN	NGLLC	RGY CO. OF CO	NG LLC	NGULC	NG LLC	NGY CD. DF CO	OLEUM CO &	ORATION & PE	NGLLC	OIL CO	RESOURCES LL	OIL CO	CORP	NG LLC	SY PRODUCTION	ATSON DRILLI	OILCO	NGILC	IEMICAL	NATL	0011 CO	NO LLC		SY PRODUCTIO	SY PRODUCTIO	6	RGY CORP	SY PRODUCTIO				
COMP		LORADO				LORADO		IN COMPANY					UDRADO	ODUCTION IN	DI DRADO									IN COMPANY,	LORADO	LORADO	NCOMPANY			Contraction of the second	IN COMPANY	JUNNOU				DLORADO	DLORADO	DLORADO	JN CUMPANI,		DLORADO				DLORADO	KERR-MCGEE	IODUCTION IN							UN COMPANY,	16 00	5							ON COMPANY	ON COMPANY,			ON COMPANY.				
326	32E	325	326	316	326	326	305	LP 31E	326	305	376	31E	32£	C 37E	326	315	311	32E	376	326	326	32E	32E	LP 311	326	32E	3/1	3.55	315	32E	315	316	376	310	32E	32E	32E	326	375	316	325	316	32E	31E	32E	316	C 32E	316	32E	326	37E	31E	316	11 E	10 32E	328	32E	31E.	316	325	376	321	316	LP 31E	315	31E	LP 31E	RANG	ſ		
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ATTACHMENT 2

ACTIVE WELL AND PLUGGING REPORTS

STATUS OF ACTIVE AND PLUGGED WELLS WITHIN THE ZIA AGI WELLS AREA OF INTEREST

Wells within the 30-Year Calculated Injection Area Using 100% Safety Factor

For the purposes of this evaluation, the calculated areas of injection influence (0.37 mile radius) are based on the highly conservative injection rate of two times the base design rate over 30 years.

Active well 3002520122 (Figure 2-1) was completed in the Strawn and Morrow in February 1963. The surface casing (850') and the intermediate casing (4,506') were cemented to the surface. The production casing's top of cement was measured at 9,800'. This well lies just inside the east boundary of the outer edge of the calculated 100% safety-factor injection area of Zia AGI #2, and should not be influenced by any anticipated injection activities.

Plugged well 3002520247 (Figure 2-2) was drilled in 1963 and completed in the Strawn at 12,554'. This well is inside the inner (7.5 MMSCFD 30-year radius) area. In October 1971 the well was plugged back to 8,819' and was perforated from 8,822 to 8,824 to test the Bone Springs. The test was unsuccessful, and the well was plugged and abandoned in October 1971. The injection zone is protected, since the well bore is plugged with cement plugs at 6,600' and 4,364'.

Well 3002520876 (Figure 2-3) is also an active well, and lies inside the inner (7.5 MMSCFD 30-year radius) area. Originally completed in the Strawn in 1961, the well was plugged and abandoned in October 1971. The well was re-entered in June of 1981 and completed in the Yates. As seen in Figure 22, the injection zone is isolated by cement plugs set at 3,760' and 7,560'.

Well 3002534573 (Figure 2-4) is an active well inside the inner (7.5 MMSCFD 30-year radius) area. The proposed injection zone (5,500' to 6,100') is well protected because the 5 $\frac{1}{2}$ " production casing is cemented from the total depth (12,540') to a depth of 4,200'. This places the top of the cement at 300' below the base (4,500') of the intermediate casing. The intermediate casing and the surface casing (830') are cemented to the surface.

Active well 3002535291 (Figure 2-5) inside the inner (7.5 MMSCFD 30-year radius) area also protects the injection zone because the $5 \frac{1}{2}$ " production casing was cemented from total depth (12,718') to the surface.

Wells outside the 30-Year Calculated Injection Area Using 100% Safety Factor

Plugged well 3001510382 (Figure 2-6) was completed in the Strawn in 1964. The well was plugged and abandoned in October 1994. This well lies approximately 300' west of the outer edge of the calculated injection area of Zia AGI #2. The injection zone is further protected by cement plugs in the well bore at 6,908' and 4,325'.

Active well 3002520025 (Figure 2-7) was completed in the Strawn in February 1963 at a total depth of 11,400 feet. Its location is approximately 300 feet south of the outside the safety-factor area. Surface casing (507') was cemented to the surface, as was the intermediate casing (4,050'). The production casing was cemented to 8,300 feet, and was later squeezed at 6,058 feet.

Active well 3002539411 (Figure 2-8) was completed in the Bone Springs at 9,580 feet in June 2009. The well is located approximately 400 feet south of the calculated injection area of Zia AGI #2. The surface casing (839') was cemented to the surface, and the intermediate casing (4,158') was cemented to 100 feet. The intermediate casing was cemented to 1,800 feet, well inside the intermediate.

Active well 3002540863 (Figure 2-9) is a horizontal well completed in the Bone Springs. The well was drilled vertically to approximately 8,700 feet, and then achieved a horizontal path at approximately 9,700'. As seen in Figure 21, the subsurface path of the well trends north-south for approximately 4,600', passing under the injection zone. The surface, intermediate and production casing strings were cemented to the surface, protecting the injection zone. The production zone of the well is at approximately 9,300', over 3,000' below the proposed injection zone.



Wells Penetrating the Injection Zone Located Within One Half Mile of the Proposed AGI Wells

(Circles Show Anticipated Rate of 7.5 MMSCFD and 100% Safety Factor Injection Rate 15.0 MMSCFD)

Completion and Plugging Diagrams



Figure 2-1: Lusk Deep Unit A 005 Schematic



Figure 2-2: Lusk Deep Unit 006 Schematic

GULF FEDERAL 003 (3002520876) WELL SCHEMATIC

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Figure 2-3: Gulf Federal 003 Schematic

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Figure 2-4: Lusk Deep Unit A 014 Schematic



Figure 2-5: Lusk Deep Unit A 021 Schematic

Deep Unit A 021 S

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Figure 2-6: Lusk Deep Unit 008 Schematic

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Figure 2-8: SL Deep Federal 003 Schematic



Figure 2-9: Lusk Deep Unit A 024H Schematic