

**KELLAHIN AND KELLAHIN**

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JASON KELLAHIN (RETIRED 1991)

September 28, 1994

HAND DELIVERED

Mr. David R. Catanach  
Hearing Examiner  
Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Re: NMOCD Case 11067  
Application of Meridian Oil Inc.  
for Approval of its Allison Unit  
CO2 Injection Pilot Project,  
San Juan County, New Mexico

Dear David:

In response to your letter dated September 22, 1994 addressed to Craig McCracken of Meridian, Oil Inc. (915-326-9706), in which you requested further supplemental information, please find enclosed 31 numbered pages of supplemental data.

Please call me or Mr. McCracken if you need anything further.

Very truly yours,

  
W. Thomas Kellahin

cc: Alan Alexander  
Meridian Oil Inc. (Farmington)

CASE  
FILE  
11067  

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Well Name	Number	From		Location	Formation	Surface		Intermediate		Int'd		Production		Prod.		PERF. INTERVAL
		N or S	E or W			Casing	Surface	Casing	Int'd Cmt	Int'd Cmt	Casing	Casing	Cmt Vol	Cmt Top	Cmt Vol	
Allison Unit	18	825' N	1850' E	25-32-7	Dakota	9-5/8" @ 233'	225 CF	Surface	TR	7" @ 3684'	285 CF	2,900 TS	4-1/2" @ 8093'	677 CF	5,500	TS 7920-8050
Allison Unit	40	1000' N	990' E	19-32-6	Dakota	9-5/8" @ 234'	225 CF	Surface	TR	NONE	NONE	N/A N/A	4-1/2" @ 8181'	101 CF	2,700	TS 7934-8064
Allison Unit	113	820' S	600' W	19-32-6	Fruitland Coal	9-5/8" @ 235'	177 CF	Surface	TR	7" @ 3012'	905 CF	Surface TR	5-1/2" @ 3093'	NONE	N/A	N/A 3011-3093
Allison Unit	114	1240' N	1120' E	19-32-6	Fruitland Coal	9-5/8" @ 223'	177 CF	Surface	TR	7" @ 3077'	967 CF	Surface TR	5-1/2" @ 3149'	NONE	N/A	N/A 3059-3148
Allison Unit	120	1070' N	1100' E	30-32-6	Fruitland Coal	9-5/8" @ 251'	185 CF	Surface	TR	7" @ 2989'	938 CF	Surface TR	5-1/2" @ 3086'	NONE	N/A	N/A 2998-3083
Allison Unit	121	1780' S	930' W	30-32-6	Fruitland Coal	9-5/8" @ 231'	177 CF	Surface	TR	7" @ 3178'	025 CF	Surface TR	5-1/2" @ 3246'	NONE	N/A	N/A 3159-3245
Allison Unit	130	1680' N	1850' E	24-32-7	Fruitland Coal	9-5/8" @ 241'	177 CF	Surface	TR	7" @ 3101'	929 CF	Surface TR	NONE	NONE	N/A	N/A 3101-3200
Allison Unit	131	1080' S	925' W	24-32-7	Fruitland Coal	9-5/8" @ 239'	177 CF	Surface	TR	7" @ 3111'	986 CF	Surface TR	4-1/2" @ 3240'	212 CF	2,963	LH 3123-3203
Allison Unit	132	1460' N	790' E	25-32-7	Fruitland Coal	9-5/8" @ 252'	177 CF	Surface	TR	7" @ 3111'	971 CF	Surface TR	5-1/2" @ 3168'	NONE	N/A	N/A 3080-3167
Burnt Mesa	101	1175' S	1500' W	25-32-7	Fruitland Coal	9-5/8" @ 227'	174 CF	Surface	TR	7" @ 3255'	080 CF	Surface TR	5-1/2" @ 3335'	NONE	N/A	N/A 3217-3333
Allison Unit	22	1150' N	1850' E	25-32-7	Mesaverde	9-5/8" @ 223'	236 CF	Surface	TR	7" @ 3631'	272 CF	2,050 TS	4-1/2" @ 6144'	464 CF	3,479	LH 5454-6112
Allison Unit	44	1600' S	810' W	30-32-6	Mesaverde	9-5/8" @ 232'	190 CF	Surface	TR	7" @ 3724'	434 CF	1,450 TS	4-1/2" @ 6212'	330 CF	3,587	LH 5454-6173
Allison Unit	10A	1820' S	950' W	20-32-6	Mesaverde	9-5/8" @ 222'	224 CF	Surface	TR	7" @ 3811'	329 CF	2,600 TS	4-1/2" @ 6165'	329 CF	3,678	LH 5321-6096
Allison Unit	22A	1470' N	1850' W	25-32-7	Mesaverde	9-5/8" @ 223'	130 CF	Surface	TR	7" @ 3699'	411 CF	1,900 TS	4-1/2" @ 6242'	466 CF	3,520	LH 5730-6142
Allison Unit	41A	880' N	880' W	29-32-6	Mesaverde	9-5/8" @ 247'	224 CF	Surface	TR	7" @ 3567'	270 CF	1,800 TS	4-1/2" @ 6104'	335 CF	3,416	LH 5440-6011
Burnt Mesa	1	1840' S	1840' W	25-32-7	Mesaverde	10-3/4" @ 300'	300 CF	Surface	TR	7-5/8" @ 3778'	195 CF	1,560 Calc.	4-1/2" @ 6000'	285 SX	3,685	LH 5866-5904
Burnt Mesa	1A	1830' S	1550' E	25-32-7	Mesaverde	9-5/8" @ 208'	190 CF	Surface	TR	7" @ 3715'	190 CF	2,100 TS	4-1/2" @ 6158'	320 CF	3,545	LH 5605-5895
Allison Unit	17	1650' S	1650' W	24-32-7	Mesaverde/ Dakota	13-3/8" @ 223'	250 CF	Surface	TR	9-5/8" @ 3623'	500 CF	2,650 TS	5-1/2" @ 8111'	350 CF	3,100	TS 5704-5780 7968-8103
Allison Unit	27	990' N	990' E	30-32-6	Mesaverde/ Dakota	10-3/4" @ 332'	250 CF	Surface	TR	7-5/8" @ 3600'	400 CF	1,850 TS	5-1/2" @ 7828'	400 CF	5,500	TS 5624-5694 7876-8008
Allison Unit	23X	990' S	965' W	19-32-6	Mesaverde/ Dakota	13-3/8" @ 329'	326 CF	Surface	TR	9-5/8" @ 3634'	954 CF	315 TS	7" @ 7874'	285 CF	1,250	TS 5586-5726
Burnt Mesa	4	910' S	990' W	25-32-7	Pictured Cliffs	8-5/8" @ 145'	35 CF	Surface	TR	NONE	NONE	N/A N/A	4-1/2" @ 3794'	515 CF	1,300	TS 3450-3760

TS=Temperature Survey  
TR=Tour Report  
LH=Liner Hanger (Circulated)  
Calc.=Calculated ( - 100% excess)

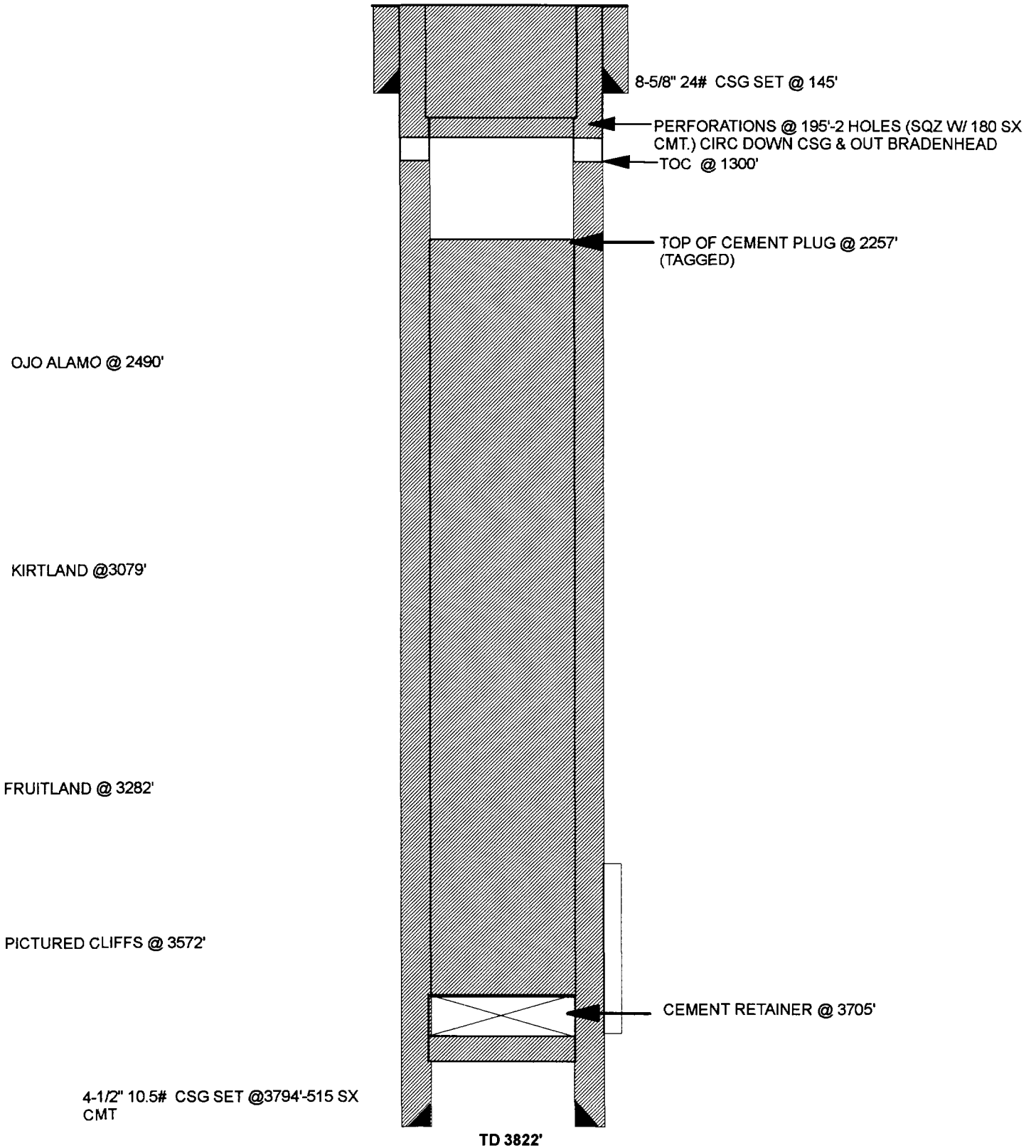
Well Name	Number	From		Location	Formation	TUBING	COMPLETION DATA	Ojo	Kirtland	Fruitland	Coal	Pictured Cliffs	Cliff House	Menefee	Point Lookout	Dakota
		N or S	E or W													
Allison Unit	18	825' N	1850' E	25-32-7	Dakota	2-3/8" @ 8052'	82854# SAND & 67620 GAL WATER		2,618	3,000	3,103	3,248	5,407	5,466	5,666	7,899
Allison Unit	40	1000' N	990' E	19-32-6	Dakota	2-3/8" @ 8081'	37884# SAND & 57919 GAL WATER	2,305	2,435	3,010	3,083	3,170	5,387	5,470	5,698	7,930
Allison Unit	113	820' S	600' W	19-32-6	Fruitland Coal	2-3/8" @ 3062'	PREDRILLED LINER - NATURAL	2,240	2,355	2,855	3,049					
Allison Unit	114	1240' N	1120' E	19-32-6	Fruitland Coal	2-3/8" @ 3133'	PREDRILLED LINER - NATURAL	2,300	2,385	2,965	3,088					
Allison Unit	120	1070' N	1100' E	30-32-6	Fruitland Coal	2-3/8" @ 3059'	PREDRILLED LINER - NATURAL	2,229	2,347	2,920	3,019					
Allison Unit	121	1780' S	930' W	30-32-6	Fruitland Coal	2-3/8" @ 3240'	PREDRILLED LINER - NATURAL	2,374	2,500	3,094	3,252					
Allison Unit	130	1680' N	1850' E	24-32-7	Fruitland Coal	2-3/8" @ 3162'	OPEN HOLE - NATURAL	2,310	2,450	3,025	3,031					
Allison Unit	131	1080' S	925' W	24-32-7	Fruitland Coal	2-3/8" @ 3191'	202500# SAND & 197240 GAL WATER	2,295	2,420	3,030	3,142					
Allison Unit	132	1460' N	790' E	25-32-7	Fruitland Coal	2-3/8" @ 3141'	PREDRILLED LINER - NATURAL	2,303	2,419	2,970	3,129					
Burnt Mesa	101	1175' S	1500' W	25-32-7	Fruitland Coal	2-3/8" @ 3329'	PREDRILLED LINER - NATURAL	2,430	2,550	3,195	3,273					
Allison Unit	22	1150' N	1850' E	25-32-7	Mesaverde	2-3/8" @ 6094'	210000# SAND & 210630 GAL WATER	2,450	2,535	3,020	3,116	3,270	5,452	5,480	5,684	
Allison Unit	44	1600' S	810' W	30-32-6	Mesaverde	2-3/8" @ 6137'	73500# SAND & 220500 GAL WATER	2,311	2,451	2,885	3,249	3,370	5,481	5,565	5,771	
Allison Unit	10A	1820' S	950' W	20-32-6	Mesaverde	2-3/8" @ 6059'	256000# SAND & 305100 GAL WATER	2,350	2,510	2,875	3,080	3,360	5,387	5,495	5,674	
Allison Unit	22A	1470' N	1850' W	25-32-7	Mesaverde	2-3/8" @ 6123'	85500# SAND & 205280 GAL WATER	2,320	2,425	2,960	3,147	3,290	5,434	5,519	5,741	
Allison Unit	41A	880' N	880' W	29-32-6	Mesaverde	2-3/8" @ 5985'	75000# SAND & 148400 GAL WATER	2,322	2,430	2,867	3,061	3,151	5,434	5,457	5,648	
Burnt Mesa	1	1840' S	1840' W	25-32-7	Mesaverde	2-3/8" @ 5836'	50000# SAND & 63000 GAL WATER			3,183	3,279	3,410			5,860	
Burnt Mesa	1A	1830' S	1550' E	25-32-7	Mesaverde	1-1/2" @ 5888'	262000# SAND & 205500 GAL WATER			3,312	3,220	3,442	5,502		5,802	
Allison Unit	17	1650' S	1650' W	24-32-7	Mesaverde/ Dakota	2" @ 8006'	40000# SAND & 41000 GAL WATER		2,656	3,038	3,121	3,286	5,445	5,493	5,705	7,949
Allison Unit	27	990' N	990' E	30-32-6	Mesaverde/ Dakota	2-3/8" @ 8022'	40000# SAND & 41000 GAL WATER		2,530	2,932	3,023	3,082	5,337	5,413	5,602	7,872
Allison Unit	23X	990' S	965' W	19-32-6	Mesaverde/ Dakota	1-1/4" @ 5682'	40000# SAND & 38530 GAL WATER		2,554	2,955	3,063	3,222	5,320	5,440	5,630	7,896
Burnt Mesa	4	910' S	990' W	25-32-7	Pictured Cliffs	2" @ 5656'	53000# SAND & 47523 GAL WATER									
						2" @ 7925'	51000# SAND & 75000 GAL WATER									
						1-1/2" @ 3727'	227000# SAND & 245904 GAL WATER	2,648		3,282	3,309	3,572				

TS=Temperature Survey  
TR=Tour Report  
LH=Liner Hanger (Circulated)  
Calc.=Calculated (- 100% excess)

**BURNT MESA #4**  
**PLUGGED & ABANDONED 4/12/91**

PICTURED CLIFFS

UNIT M, SECTION 25, T32N, R7W, SAN JUAN COUNTY, NM



=====  
State : New Mexico NM Merid 32N - 7W - 25 se nw ne

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BASIN DK Compl: 11/23/1973 D G GAS

=====  
Well: ALLISON UNIT #18 Last Info: 02/19/1993

Ftg: 825 fnl 1850 fel

Lat-Long by GITI: 36.956009 - 107.514694

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 8176 Dakota Permit #: 08/22/1973 API: 30-045-2131900

Elev: 6451GL

=====  
Spud: 10/25/1973

TD: 8093 PB: 8077

=====  
Elev: 6451GL FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout,I=IOG,T=Govt,S=Shell,G=USGS,N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Mesaverde	5466	985	L T	Greenhorn	7742	-1291	L T
Point Lookout	5666	785	L T	Graneros	7797	-1346	L T
Gallup	7162	-711	L T	Dakota	7899	-1448	L T

<< State Records >>

Casing: 9 5/8 @ 233 - 7 @ 3684 - 4 1/2 @ 8093

Core : None

Logs : FDC GR IL TS

Tubing: 2 3/8 @ 8052

Perfs :

7920-8050 w/12 SPZ - frac w/82854 lb sd 67620 gal wtr -- Perfs 7934-  
8050 w/1 SPZ

PZone : 7920-8050 (Dakota )

IP : F 1451 MCFGPD on 3/4 ck, CP 2695 TP 2184

=====  
State : New Mexico NM Merid 32N - 6W - 19 sw ne ne

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BASIN DK Compl: 01/22/1974 D G GAS

=====  
Well: ALLISON UNIT #40 Last Info: 10/21/1993

Ftg: 1000 fnl 990 fel

Lat-Long by GITI: 36.970306 - 107.494186

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 8185 Dakota Permit #: 08/22/1973 API: 30-045-2132000

Elev: 6511GR

=====  
Spud: 11/10/1973

TD: 8181 PB: 8168

=====  
Elev: 6511GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Pictured Cliffs	3170	3341	L T	Greenhorn	7764	-1253	L T
Mesaverde	5387	1124	L T	Graneros	7821	-1310	L T
Point Lookout	5698	813	L T	Dakota	7930	-1419	L T
Gallup	6863	-352	L T				

=====  
<< State Records >>

Casing: 9 5/8 @ 234

4 1/2 @ 8181

Tubing: 2 3/8 @ 8081

Perfs : 7934-8064 (Dakota )

w/1 SPF - frac w/37,884# 40/60 sd 57,919 gal wtr

PZone : 7934-8064 (Dakota )

IP : (Dakota 7934-8064) F 1439 MCFGPD on 3/4 ck; SICP 2492

5

=====  
State : New Mexico NM Merid 32N - 6W - 19 sw ne ne

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BLANCO MV Compl: 10/20/1993 D SUSP

=====  
Well: ALLISON UNIT #40 Last Info: 10/21/1993

Ftg: 1000 fnl 990 fel

Lat-Long by GITI: 36.970306 - 107.494186

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: Mesaverde Permit #: 07/07/1992 API: 30-045-2132000

Elev: 6525KB

=====  
Spud:

TD: 8181

=====  
Notes : (No details rptd on recompletion efforts, operations suspended)

Logs : Petro GR @ 2600-5999

LocCom: 10/5/92 still plan to plug back.

Journal: 11/2/92 completing.

3/25/93 WOPT.

10/21/93 operations suspended.

=====  
State : New Mexico NM Merid 32N - 6W - 19 nw sw sw

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 07/12/1989 D G METH

=====  
Well: ALLISON UNIT #113 Last Info: 01/15/1990

Ftg: 820 fsl 600 fwl

Lat-Long by GITI: 36.960540 - 107.506290

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: 3100 Fruitland coal Permit #: Coal 12/06/1988 API: 30-045-2736600

Elev: 6437GR

=====  
Spud: 06/20/1989

TD: 3093 on 07/10/1989

=====  
Elev: 6437GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Ojo Alamo	2240	4197 S H	Fruitland	2855	3582 S H
Kirtland	2355	4082 S H			

=====  
DDC : 7 S Allison CO (miles from the nearest city)

Casing: 9 5/8 @ 235 w/177 CF

7 @ 3012 w/905 CF

5 1/2 lnr @ 2959-3093 w/no cmt

Logs : None

Tubing: 2 3/8 @ 3062

Perfs : 3011-3093 (Fruitland coal )

predrld lnr - natural

PZone : 3011-3093 (Fruitland coal )

IP : F 189 MCFGPD on 3/4 ck; no oil; no wtr rptd; SICP 1491

LocCom: 6/19/89 still plan to drill.

Journal: 7/11/89 drlg ahead.

7/24/89 WOCT.

8/1/89 completed methane gas well.

1/4/90 completed methane gas well, IP rptd.

7



=====  
State : New Mexico NM Merid 32N - 6W - 19 sw ne ne

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 01/15/1989 D G METH

=====  
Well: ALLISON UNIT #114 Last Info: 10/16/1989

Ftg: 1240 fnl 1120 fel

Lat-Long by GITI: 36.969650 - 107.494630

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: Fruitland coal Permit #: 10/24/1988 API: 30-045-2717200

Elev: 6513GR

=====  
Spud: 12/20/1988

TD: 3149 on 01/13/1989

=====  
Elev: 6513GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2300	4213	S H	Fruitland	2965	3548	S H
Kirtland	2385	4128	S H				

=====  
DDC : 10 S Allison, CO (miles from the nearest city)

Casing: 9 5/8 @ 223 w/177 CF

7 @ 3077 w/967 CF

5 1/2 lnr @ 3024-3149 no cmt

Logs : None

Tubing: 2 3/8 @ 3133

Perfs : 3059-3148 (Fruitland coal )

predrld lnr w/4 SPF - natural

PZone : 3059-3148 (Fruitland coal )

IP : F 86 MCFGPD on 3/4 ck; no oil; no wtr rptd; SITP 714

Journl: 1/4/89 drlg ahead.

1/24/89 WOCT, no details available.

2/3/89 WOCT.

2/28/89 WOCT.

3/6/89 completed gas well.

=====  
State : New Mexico NM Merid 32N - 6W - 30 sw ne ne

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 06/24/1989 D G METH

=====  
Well: ALLISON UNIT #120 Last Info: 11/09/1989

Ftg: 1070 fnl 1100 fel

Lat-Long by GITI: 36.955380 - 107.494570

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: 3082 Fruitland coal Permit #: 11/17/1988 API: 30-045-2720700

Elev: 6402GR

=====  
Spud: 06/04/1989 Contr: Four Corners Rig #: 8

TD: 3087 on 06/17/1989

=====  
Elev: 6402GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout,I=IOG,T=Govt,S=Shell,G=USGS,N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Ojo Alamo	3240	3162 L H	Fruitland	3708	2694 L H
Kirtland	3341	3061 L H			

=====  
DDC : 15 SE Allison CO (miles from the nearest city)

Casing: 9 5/8 @ 251 w/185 CF

7 @ 2989 w/938 CF

5 1/2 lnr @ 2948-3086 w/no cmt

Logs : None

Tubing: 2 3/8 @ 3059

Perfs : 2998-3083 (Fruitland coal )  
predrld lnr @ 2998-3040, 3042-3083 - natural

PZone : 2998-3083 (Fruitland coal )  
gross interval

IP : F 313 MCFGPD on 3/4 ck; no oil; no wtr rptd; SICP 1497

Journal: 6/8/89 rig rptd on site June 4.

6/20/89 drlg ahead.

7/10/89 WOCT.

8/1/89 WOCT as of July 10.

8/15/89 completed gas well.

11/1/89 completed gas well, IP released.

=====  
State : New Mexico NM Merid 32N - 6W - 30 se nw sw

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 12/22/1988 D G METH

=====  
Well: ALLISON UNIT #121 Last Info: 10/16/1989

Ftg: 1780 fsl 930 fwl

Lat-Long by GITI: 36.948520 - 107.505190

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: 3310 Fruitland coal Permit #: 11/17/1988 API: 30-045-2716000

Elev: 6572GR

=====  
Spud: 11/27/1988

TD: 3246 on 12/20/1988

=====  
Elev: 6572GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Ojo Alamo	2374	4198 S H	Fruitland	3094	3478 S H
Kirtland	2500	4072 S H			

=====  
DDC : 8 SE Allison CO (miles from the nearest city)

Casing: 9 5/8 @ 231 w/177 CF

7 @ 3178 w/1025 CF

5 1/2 lnr @ 3109-3246 no cmt

Core : None

DST : None

Logs : None

Tubing: 2 3/8 @ 3240

Perfs : 3159-3245 (Fruitland coal )  
predrld lnr w/4 SPF - natural

PZone : 3159-3245 (Fruitland coal )

IP : F 114 MCFGPD on 3/4 ck; no oil; no wtr rptd; SITP 435

Journal: 12/13/88 drlg ahead.

1/4/89 WOCT, no details available.

1/24/89 WOCT.

2/14/89 WOCT.

3/6/89 completed gas well.

=====  
State : New Mexico NM Merid 32N - 7W - 24 ne sw ne

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 02/04/1989 D G METH

=====  
Well: ALLISON UNIT #130 Last Info: 01/15/1990

Ftg: 1680 fnl 1850 fel

Lat-Long by GITI: 36.968340 - 107.514650

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: Fruitland coal Permit #: Coal 11/03/1988 API: 30-045-2714000  
Elev: 6442GR

=====  
Spud: 12/31/1988

TD: 3200 on 02/01/1989

=====  
Elev: 6442GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Ojo Alamo	2310	4132 S H	Fruitland	3025	3417 S H
Kirtland	2450	3992 S H			

=====  
Casing: 9 5/8 @ 241 w/177 CF  
7 @ 3101 w/929 CF

Core : None

DST : None

Logs : None

Tubing: 2 3/8 @ 3162

Perfs : 3101-3200 (Fruitland )  
open hole - natural

PZone : 3101-3200 (Fruitland coal )

IP : F 20 MCFGPD on 3/4 ck; no oil; no wtr rptd; SITP 1210

Journal: 1/12/89 drlg ahead.

2/1/89 WOCT, no details available.

2/21/89 WOCT.

3/6/89 completed methane gas well.

1/4/90 completed methane as well, IP rptd.

=====  
State : New Mexico NM Merid 32N - 7W - 24 ne sw sw

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 01/31/1989 D G METH

=====  
Well: ALLISON UNIT #131 Last Info: 01/15/1990

Ftg: 1080 fsl 925 fwl

Lat-Long by GITI: 36.961380 - 107.523410

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: 3305 Fruitland coal Permit #: Coal 12/15/1988 API: 30-045-2717400  
Elev: 6508KB

=====  
Spud: 12/28/1988

TD: 3240 on 01/23/1989

=====  
Elev: 6508KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2295	4213	L H	Fruitland	3030	3478	L H
Kirtland	2420	4088	L H				

=====  
Casing: 9 5/8 @ 239 w/177 CF

7 @ 3111 w/986 CF

4 1/2 lnr @ 2963-3240 w/212 CF

Core : None

DST : None

Logs : CNL FDC NGT GST

Tubing: 2 3/8 @ 3191

Perfs : 3123-3203 (Fruitland coal )  
w/2 SPF @ 3123-3150, 3190-3203 - frac w/202,500# 20/40 sd 197,240  
gal slk wtr

PZone : 3123-3203 (Fruitland coal )  
gross interval

IP : F 43 MCFGPD on 3/4 ck; no oil; no wtr rptd; SICP 827

Journal: 1/6/89 drlg ahead.

2/1/89 WOCT, no details available.

2/7/89 WOCT.

2/21/89 WOCT.

3/7/89 completed methane gas well.

1/4/90 completed methane gas well, IP rptd.

12

=====  
State : New Mexico NM Merid 32N - 7W - 25 nw se ne

County: SAN JUAN Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 06/30/1989 D G METH

=====  
Well: ALLISON UNIT #132 Last Info: 10/16/1990

Ftg: 1460 fnl 790 fel

Lat-Long by GITI: 36.954300 - 107.511060

Oper Address: 5613 DTC Pky, Englewood CO 80111 - 303/930-9393

Obj: 3179 Fruitland coal Permit #: Coal 11/10/1988 API: 30-045-2715900

Elev: 6470GR

=====  
Spud: 06/11/1989

TD: 3169 on 06/24/1989

=====  
Elev: 6470GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2303	4167	S H	Fruitland	2970	3500	S H
Kirtland	2419	4051	S H				

=====  
DDC : 10 S Allison CO (miles from the nearest city)

Casing: 9 5/8 @ 252 w/177 CF

7 @ 3111 w/971 CF

5 1/2 lnr @ 3028-3168 w/no cmt

Logs : None

Tubing: 2 3/8 @ 3141

Perfs : 3080-3167 (Fruitland coal )

PZone : 3080-3167 (Fruitland coal )

IP : F 27 MCFGPD on 3/4 ck; no oil; no wtr rptd; SICP 1133

LocCom: 6/19/89 still plan to drill.

Journal: 6/27/89 drlg ahead.

7/11/89 WOCT.

7/20/89 completed gas well.

13

=====  
State : New Mexico NM Merid 32N - 7W - 25 nw se sw

County: SAN JUAN Oper: SOUTHLAND ROYALTY CO

Field : BASIN FRT COAL Compl: 08/15/1988 D G METH

=====  
Well: BURNT MESA #101 Last Info: 10/30/1989

Ftg: 1175 fsl 1500 fwl

Lat-Long by GITI: 36.947010 - 107.521420

Oper Address: PO Box 4289, Farmington NM 87499 - 505/326-9700

Obj: 3333 Fruitland coal Permit #: 07/18/1988 API: 30-045-2697400

Elev: 6602GR

=====  
Spud: 07/22/1988

TD: 3335 on 08/12/1988

=====  
Elev: 6602GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2430	4172	S H	Fruitland	3195	3407	S H
Kirtland	2550	4052	S H				

=====  
DDC : 8 S Arboles, CO (miles from the nearest city)

Casing: 9 5/8 @ 227 w/174 CF

7 @ 3255 w/1080 CF

5 1/2 lnr @ 3210-3335 w/no cmt

Core : None

DST : None

Logs : None

Tubing: 2 3/8 @ 3329

Perfs : 3217-3333 (Fruitland coal )

predrld lnr w/12 SPF @ 3217-3248, 3251-3290, 3293-3333 - natural

PZone : 3217-3333 (Fruitland coal )

gross interval

IP : F 79 MCFGPD on 3/4 ck; no oil; no wtr; SICP 1208.

Journal: 9/22/88 WOCT, no details available.

10/11/88 WOCT.

11/22/88 WOCT.

12/13/88 WOCT.

1/12/89 WOCT.

2/21/89 WOCT.

3/14/89 WOCT.

4/12/89 WOCT.

4/25/89 completed gas well; SI, no IP available.

8/30/89 completed gas well, IP released.

14

=====  
State : New Mexico NM Merid 32N - 7W - 25 nw ne

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 12/19/1977 D G GAS

=====  
Well: ALLISON UNIT #22 Last Info: 04/17/1987

Ftg: 1150 fnl 1850 fel

Lat-Long by GITI: 36.955120 - 107.514690

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 6095 Mesaverde Permit #: 05/06/1977 API: 30-045-2254600

Elev: 6464GR

=====  
Spud: 10/27/1977

TD: 6144 PB: 6127

=====  
Elev: 6464GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Mesaverde	5452	1012 L T	Point Lookout	5684	780 L T

<< State Records >>

Casing: 9 5/8 @ 223 - 7 @ 3631

Core : None

Logs : IL GR CDL TS

Tubing: 2 3/8 @ 6094

Perfs :

5454-6112 w/1 SPZ - frac w/210000# sd 210630 gal wtr

PZone : 5454-6112 (Mesaverde )

IP : No Flow SICP 1125 PSI After 9 Days

15



=====  
State : New Mexico NM Merid 32N - 6W - 30 nw sw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO Compl: 09/08/1981 D G GAS

=====  
Well: ALLISON UNIT #44 Last Info: 12/01/1988

Ftg: 1600 fsl 810 fwl

Lat-Long by GITI: 36.948030 - 107.505600

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 6260 Mesaverde Permit #: 11/20/1980 API: 30-045-2485900

Elev: 6567GR

=====  
Spud: 07/24/1981 Contr: Aztec #56

TD: 6212 Point Lookout PB: 6196

=====  
Elev: 6567GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Pictured Cliffs	3323	3244	L H	Mesaverde	5481	1086	L H
Chacra	4700	1867	L H	Point Lookout	5771	796	L H

=====  
Casing: 9 5/8 @ 232 w/190 - 4 1/2 @ 6212 w/330 - 7 @ 3724 w/434

Tubing: 2 3/8 @ 6137

Perfs : 5454-6173

5454-5723 5778-6173

IP : No Flow SICP 1240/7D

Journal: 8/2/81 WOCT.

9/22/81 completed gas well.

=====  
State : New Mexico NM Merid 32N - 6W - 20 nw sw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO Compl: 11/12/1979 D G GAS

=====  
Well: ALLISON UNIT #10A Last Info: 09/08/1988

Ftg: 1820 fsl 950 fwl

Lat-Long by GITI: 36.963300 - 107.487550

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: Mesaverde Permit #: 03/23/1979 API: 30-045-2344800

Elev: 6499GR

=====  
Spud: 09/18/1979 Contr: Drake rig 18

TD: 6165 PB: 6146

=====  
Elev: 6499GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Mesaverde	5387	1112	L H	Point Lookout	5674	825	L H

=====  
Casing: 9 5/8 @ 222 - 7 @ 3811 - 4 1/2 @ 6165

Tubing: 2 3/8 @ 6059

Perfs : 5321-6096

IP : No Flow SICP 1060 #/12D

Journl: 9/28/79 WOC.

=====  
State : New Mexico NM Merid 32N - 7W - 25 se nw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 01/04/1984 D G GAS

=====  
Well: ALLISON UNIT #22A Last Info: 11/02/1987

Ftg: 1470 fnl 1850 fwl

Lat-Long by GITI: 36.954300 - 107.520260

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 6175 Mesaverde Permit #: 09/30/1983 API: 30-045-2581200

Elev: 6495KB

=====  
Spud: 11/23/1983 Contr: Four Corners #4

TD: 6242 on 11/30/1983 PB: 6222

=====  
Elev: 6495KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Chacra	4818	1677	S H	Menefee	5519	976	S H
Mesaverde	5434	1061	S H	Point Lookout	5741	754	S H

=====  
Casing: 9 5/8 @ 223 w/130 CF - 7 @ 3699 w/411 CF - 4 1/2 @ 3520-6242 w/466 CF

Logs : IEL GR TEMP

Tubing: 2 3/8 @ 6123

Perfs : 5730-6142

w/holes @: 5730 52 67 84 90 96 5821 32 49 88 5916 47 79 99 6058 79

6142 w/1 SPF- frac w/58,500# 20/40 sd 141,540 gals slk wtr

5437-5695

w/holes @: 5437 46 74 92 5508 93 5602 38 95 w/1 SPF - frac w/27,000#

20/40 sd 63,740 gals wtr

PZone : (Mesaverde )

IP : F 752 MCFGPD, SICP 922

Journal: 12/5/83 WOCT.

1/11/84 completed gas well.

=====  
State : New Mexico NM Merid 32N - 6W - 29 nw nw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO Compl: 05/26/1981 D G GAS

=====  
Well: ALLISON UNIT #41A Last Info: 11/01/1988

Ftg: 880 fnl 880 fwl

Lat-Long by GITI: 36.955950 - 107.487810

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 6086 Mesaverde Permit #: 01/02/1980 API: 30-045-2409100

Elev: 6456GR

=====  
Spud: 11/08/1980 Contr: Aztec W.S. #50

TD: 6104 Point Lookout PB: 6086

=====  
Elev: 6456GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)

(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Mesaverde	5434	1022 L H	Point Lookout	5648	808 L H
Menefee	5457	999 L H			

=====  
Casing: 9 5/8 @ 247 w/224 - 7 @ 3567 w/270 - 4 1/2 @ 6104 w/335

Tubing: 2 3/8 @ 5985

Perfs : 5440-5626

5676-6011

IP : No Flow SICP 1175 #/9D

Journal: 11/18/80 WOCT.

6/17/81 completed gas well.

=====  
State : New Mexico NM Merid 32N - 7W - 25 ne sw

County: SAN JUAN Oper: SOUTHLAND ROYALTY CO

Field : BLANCO MV Compl: 05/12/1972 D G GAS

=====  
Well: BURNT MESA #1 Last Info: 05/22/1983

Ftg: 1840 fsl 1840 fwl

Lat-Long by GITI: 36.948820 - 107.520260

Oper Address: PO Box 4289, Farmington NM 87499 - 505/326-9700

Obj: 6000 Mesaverde Permit #: 03/30/1972 API: 30-045-2091200

Elev: 6607GL

=====  
Spud: 04/23/1972

TD: 6000 PB: 5967

=====  
Elev: 6607GL FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Pictured Cliffs	3410	3197	L T	Point Lookout	5860	747	L T

<< State Records >>

Casing: 10 3/4 @ 300 w/300 - 7 5/8 @ 3778 w/195 - 4 1/2 in lnr 3685-6000

Logs : BL IGR T D

Tubing: 2 3/8 @ 5836

Perfs :

5866-5904 w/2 SPF - frac w/63000 gals wtr 20000# 20-40 sd 30000# 10-20  
sd

PZone : 5866-5904

IP : F 6831 MCFGPD on 3/4 ck, CP 795 TP 326

=====  
State : New Mexico NM Merid 32N - 7W - 25 nw se

County: SAN JUAN Oper: AZTEC OIL & GAS INC

Field : BLANCO Compl: 09/04/1977 D G GAS

=====  
Well: BURNT MESA #1A Last Info: 05/22/1983  
Ftg: 1830 fsl 1550 fel  
Lat-Long by GITI: 36.948720 - 107.513690  
Obj: 6126 Mesaverde Permit #: 05/17/1977 API: 30-045-2256100  
Elev: 6548GR

=====  
Spud: 07/28/1977  
TD: 6156 PB: 6010

=====  
Elev: 6548GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Fruitland	3312	3236	L T	Cliff House	5502	1046	L T
Pictured Cliffs	3442	3106	L T	Point Lookout	5802	746	L T

<< State Records >>  
Casing: 9 5/8 @ 208 w/190 - 7 @ 3715 w/190 - 4 1/2 @ in lnr 3545-6158  
Core : None  
Logs : GR-I D C N  
Tubing: 1 1/2 @ 5888 - 1/2 @ 3543 w/pkr set @ 3629  
Perfs :  
560-5895 - frac w/11000 gals wtr 55000 lb 20-40 sd -- Perfs 3370-3568  
w/21 shots - frac w/194500 gals fresh wtr & 207000 lb 20-40 sd  
PZone : 5605-5895 (Point Lookout )  
(Cliff House )  
3370-3658 (Pictured Cliffs )  
IP : F 3693 MCFGPD on 3/4 ck, CP 852 TP 156; F 680 MCFGPD on 3/4 ck, CP 539  
TP 36

21

=====  
State : New Mexico NM Merid 32N - 7W - 25

County: SAN JUAN Oper: SOUTHLAND ROYALTY CO

Field : BLANCO MV Compl: 09/04/1977 D G GAS

=====  
Well: BURNT MESA #1A Last Info: 08/27/1987

Ftg: 1830 fs1 1550 fel

Lat-Long by GITI: 36.948720 - 107.513690

Oper Address: PO Box 4289, Farmington NM 87499 - 505/326-9700

Obj: Permit #: 05/17/1977 API: 30-045-2256100

Elev: 6548GL

=====  
Spud: 07/30/1977

TD: 6156 PB: 6010

<< State Records >>

Casing: 9 5/8 @ 208 W/190; 7 @ 3715 W/190; 4 1/2 lnr 3545-6158 W/320;  
1 1/2 @ 5876

Perfs :

5605-5895

SWF

IP : 3693 AOF 1925 MCFPD After 3 Hrs SICP 1122 PSI

22

=====  
State : New Mexico NM Merid 32N - 7W - 24

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 08/11/1958 D

=====  
Well: ALLISON UNIT #17 Last Info: 01/26/1989

Ftg: 1650 fsl 1650 fwl

Lat-Long by GITI: 36.962880 - 107.520900

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: Permit #: 06/23/1958 API: 30-045-1129400

Elev: 6499GL

=====  
Spud: 06/27/1958

TD: 8121  
=====

<< State Records >>

Casing: 13-3/8 @ 223 W/250; 9-5/8 @ 3623 W/1500; 5 1/2 @ 8111 W/1350; 2 @ 8006

Perfs :

5704-80

SWF Perfs

IP : 4925 AOF 4456 MCFPD SICP 1049 PSI After 24 Days

Journl: Located Hole in casing between 5290-5351. sq. 1100 sk.

23



State : New Mexico NM Merid 32N - 7W - 24 sw ne sw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BASIN DK Compl: 08/11/1958 D G GAS

Well: ALLISON UNIT #17 Last Info: 02/19/1993

Ftg: 1650 fsl 1650 fwl

Lat-Long by GITI: 36.962875 - 107.520905

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 8133 Dakota Permit #: 06/27/1958 API: 30-045-1129400

Elev: 6499GL

Spud: 06/27/1958

TD: 8121 PB: 8106

Elev: 6499GL FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Pictured Cliffs	3286	3213 L S	Sanastee	7486	-987 L S
Cliff House	5445	1054 L S	Greenhorn	7783	-1284 L S
Menefee	5493	1006 L S	Graneros	7845	-1346 L S
Point Lookout	5705	794 L S	Dakota	7949	-1450 L S
Gallup	7202	-703 L S			

<< Shell Records >>

Casing: 13 3/8 cmtd @ 232 w/175; 9 5/8 cmtd @ 3623 w/1400; 5 1/2 cmtd @ 8111 w/1350; 2 @ 7714 pkr 6467 set

PZone : 5704-5780 (Mesaverde )  
7968-8103 (Dakota )

IP : 4456 MCF/24 hrs 3/4 in ch--csg SICP 1049 lb/24 days CAOF 4925 MCF; 1345 MCF/24 hrs 3/4 in ch--tbq SITP 2737 lb/14 days CAOF 1353 MCF

Journal: 07/02/58 237 Reaming at 90 ft.  
07/09/58 237 13 3/8 in standing cmtd at 232 ft with 175 sacks.  
07/16/58 1911 Drlg.  
07/23/58 3512 Drlg.  
07/30/58 3700 Drlg cement at 3600 ft. Squeezed open hole 2623-3700 ft with 100 sacks.  
08/06/58 5715 Drlg. Re-squeezed 2623-3700 ft with 200 sacks.  
08/13/58 8083 Drlg. Gauged 3590 at 7978 ft; 1350 at 8040 ft.  
08/20/58 8121 Plug 8106 ft. Cleaning out cement.  
08/27/58 8121 Plug 8106 ft. Cleaning out. Set bridge plug at 8106 ft. Perforated Dakota 45 shots 8019-40 ft; 2{ shots 8070-84 ft; 30 shots 8088-8103 ft. Sd wtr fractured 8019-8103 ft with 41,000 gallons wtr, 40,000 lb sd. Breakdown pressure 2700 lb. I.R. 46.3 barrels per min. Gauged 840 MCF. Set bridge plug at 8002 ft. Perforated 104 shots 7968-94 ft. Sd wtr fractured 7968-94 ft with 40,000 gallons wtr, 40,000 lb sd. Breakdown pressure 3500 lb. I.R. 24 barrels per min. Gauged 1020 MCF after frac.  
09/03/58 8121 Plug 8106 ft. Cleaning out. Set bridge plug at 6500 ft.

<< State Records >>

Casing: 13 3/8 @ 223 W/250; 9 5/8 @ 3623 W/1500; 5 1/2 @ 8111 W/1350;

24

=====  
State : New Mexico NM Merid 32N - 7W - 24 sw ne sw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BASIN DK Compl: 08/11/1958 D G GAS

----- Continued -----

Casing: 2 @ 8006; 2 3/8 @ 8022

Perfs :  
7968-7994; 8019-8103

SWF

IP : 1353 AOF 1345 MCFPD SITP 2737 PSI After 14 Days

Journl: Baker Model "al" Packer @ 6461

251

=====  
State : New Mexico NM Merid 32N - 6W - 30 ne ne

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 09/27/1965 D G GAS

=====  
Well: ALLISON UNIT #27 Last Info: 01/26/1989  
Ftg: 990 fnl 990 fel  
Lat-Long by GITI: 36.955610 - 107.494200  
Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841  
Obj: 8044 Dakota/Mesaverd Permit #: 08/26/1965 API: 30-045-1157600  
Elev: 6406GL

=====  
Spud: 09/04/1965  
TD: 8044 PB: 8012

=====  
Elev: 6406GL FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Mesaverde	5023	1383	L T	Gallup	6840	-434	L T
Menefee	5413	993	L T	Greenhorn	7682	-1276	L T
Point Lookout	5602	804	L T	Graneros	7740	-1334	L T
Mancos	5761	645	L T	Dakota	7872	-1466	L T

<< State Records >>

Casing: 10 3/4 @ 332 - 7 5/8 @ 3600 - 5 1/2 @ 7828 - 4 in lnr 7752-8044

Core : None

Logs : ES D SC TS

Tubing: 1 1/2 @ 7928 w/pkr set @ 5740 - 1 1/4 @ 5682

Perfs :

5624-594 w/4 SPF - frac w/38530 gal wtr 40000 lb sd -- Perf 7876-7932  
w/2 & 4 SPF selected intervals - frac w/52030 gal wtr 26500 lb sd 500  
gal acid

PZone : 5624-5694 (Mesaverde )  
7876-8008 (Dakota )

IP : MV: F 5116 MCFGPD on 3/4 ck, CP 381 TP 436; DK: F 1341 MCFGPD on 3/4  
ck, CP 107 TP 386

Journal: Repr. Pkr. Repr. Pkr. 1970.

=====  
State : New Mexico NM Merid 32N - 6W - 30

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BASIN DK Compl: 09/20/1965 D G GAS

=====  
Well: ALLISON UNIT NP #27 Last Info: 01/26/1989

Ftg: 990 fnl 990 fel

Lat-Long by GITI: 36.955610 - 107.494200

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: Permit #: 08/26/1965 API: 30-045-1157600

Elev: 6406GL

=====  
Spud: 09/04/1965

TD: 8044  
=====

<< State Records >>

Casing: 10 3/4 @ 332 W/250; 7 5/8 @ 3600 W/400; 5 1/2 @ 7829 W/400;

4 lnr 7752-8044 W/30; 1 1/2 @ 7934

Perfs :

7876-84; 7924-32; 7947-51; 8000-08

SWF

IP : 1176 1341 AOF SITP 1975 PSI After 7 Days 1150 1322 MCFPD SITP 2825 PSI

After 15 Days

Journl: 11/9/70. 8/1/67. 9/10/70. Repair Packer. Repaired Packer - 1970

27

State : New Mexico NM Merid 32N - 6W - 19 ne sw sw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 08/12/1960 D G GAS

Well: ALLISON UNIT #23X Last Info: 02/19/1993

Ftg: 990 fsl 965 fwl

Lat-Long by GITI: 36.960999 - 107.505035

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: 8150 Mesaverde/Dakot Permit #: 07/28/1960 API: 30-045-1318900

Elev: 6451DF

Spud: 07/07/1960

TD: 8104 PB: 8050

Elev: 6451DF FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Scout, I=IOG, T=Govt, S=Shell, G=USGS, N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Kirtland	2554	3897 L S	Fruitland	2955	3496 L T
Fruitland	2955	3496 L S	Pictured Cliffs	3222	3229 L T
Pictured Cliffs	3222	3229 L S	Lewis	3522	2929 L T
Cliff House	5320	1131 L S	Cliff House	5320	1131 L T
Menefee	5440	1011 L S	Menefee	5440	1011 L T
Point Lookout	5630	821 L S	Point Lookout	5630	821 L T
Mancos	5775	676 L S	Mancos	5775	676 L T
Gallup	7126	-675 L S	Gallup	7126	-675 L T
Sanastee	7430	-979 L S	Sanastee	7430	-979 L T
Greenhorn	7709	-1258 L S	Greenhorn	7709	-1258 L T
Graneros	7762	-1311 L S	Graneros	7762	-1311 L T
Dakota	7896	-1445 L S	Dakota	7896	-1445 L T
Morrison	8080	-1629 L S	Morrison	8080	-1629 L T
Kirtland	2554	3897 L T			

Journl: 2/19/93 (API number chngd from 30-045-11189) to match State records.

<< Shell Records >>

Casing: 13 3/8 cmtd @ 329 w/326; 9 5/8 cmtd @ 3634 w/954; 7 cmtd @ 7874 w/1285;  
2 3/8 cmtd @ 5666 set; 2 3/8 @ 7934 set; packer @ 6240 set; 5 liner  
7790-8097 cmtd @ 85

PZone : 5586-5726 (Mesaverde )  
7900-8034 (Dakota )

IP : 3438 MCF/24 hrs 3/4 in ch-tbg SITP 1183 lb/26 days; 2608 MCF/24 hrs 3/4  
in ch-tbg SITP 2668 lb/14 days CAO 2674 MCF

Journl: 07/15/60 1781 Drlg.

07/20/60 3635 Running logs.

07/27/60 7874 Running logs.

08/03/60 8104 Running logs.

08/10/60 8104 Plug 8050 ft. Cleaning out. 5 in liner cmtd 7790-8097  
ft with 85 sacks. Perforated 40 shots 7900-20 ft; 12  
shots 7948-54 ft; 20 shots 7960-70 ft; 12 shots 7974-80  
ft; 20 shots 8006-16 ft; 16 shots 8026-34 ft. Rubber  
ball sd wtr fractured 7900-8034 ft with 75,000 gallons

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State : New Mexico NM Merid 32N - 6W - 19 ne sw sw

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 08/12/1960 D G GAS

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Continued

Journal: wtr, 60,000 lb sd. Breakdown pressure 2100 lb. I.R. 47  
barrels per min. Gauged 1150 MCF. Bridge plug at 7880  
ft. Perforated 12 shots 5586-92 ft; 8 shots 5630-34 ft;  
24 shots 5652-66 ft; 20 shots 5676-86 ft; 24 shots 5690-  
5702 ft; 12 shots 5720-26 ft. Rubber ball sd wtr  
fractured 5586-5726 ft with 47,500 gallons wtr, 53,000  
lb sd. Breakdown pressure 2100 lb. I.R. 36.3 barrels  
per min. Gauged 1374 MCF.  
08/17/60 8104 Plug 8050 ft. Shut in for gauge. Cleaned out bridge  
plug at 7880 ft.  
09/07/60 8104 Plug 8050 ft. Shut in for gauge. Set 2 3/8 in at 5666  
ft. Set 2 3/8 in at 7934 ft with packer at 6240 ft.  
Mesaverde calculated absolute open flow 4751 MCF.  
Dakota calculated absolute open flow 2674 MCF. DUAL  
COMPLETED 9-7-60.

<< State Records >>

Casing: 13 3/8 @ 329 w356 - 9 5/8 @ 3634 w/240 - 7 @ 7878 w/1285 - 5 1/2 in  
lnr 7790-8097

Tubing: 2 @ 5656 - 2 @ 7925

Perfs :

5686-5726 (PL) - frac w/47523 gal W 53000# sd fl 12468 gal -- Perf  
7900 - 8034 (DK) - treat w/75000 gal W 51000# sd 500 gal 7 1/2% MCA  
dropped 6 sets of 12 balls each

IP : MV: 4751 MCFGPD, CP 1195; DK: 2674 MCFGPD, CP 2680

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State : New Mexico NM Merid 32N - 6W - 19

County: SAN JUAN Oper: EL PASO NATURAL GAS CO

Field : BASIN DK Compl: 08/12/1960 D G GAS

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Well: ALLISON UNIT #23X Last Info: 01/26/1989

Ftg: 990 fsl 965 fwl

Lat-Long by GITI: 36.961000 - 107.505040

Oper Address: Box 4289, Farmington NM 87499 - 505/325-2841

Obj: Permit #: 07/28/1960 API: 30-045-1318900  
Elev: 6451DF

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Spud: 07/07/1960

TD: 8104 PB: 8050  
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<< State Records >>

Casing: 13-3/8 @ 329 W/356; 9-5/8 @ 3622 W/240; 7 @ 7878 W/1285;  
5 1/2 lnr 7790-8097 W/85; 2 @ 7925

Perfs :

7900-20; 7948-54; 7960-70; 7974-80; 8006-8034

SWF

IP : 2674 AOF 2608 MCFPD After 3 Hrs SICP 1147 PSI After 14 Days

Journl: Inst. Stop Cock

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State : New Mexico NM Merid 32N - 7W - 25 ne sw sw

County: SAN JUAN Oper: SOUTHLAND ROYALTY CO

Field : S LOS PINOS Compl: 03/06/1981 D G GAS

Well: BURNT MESA #4 Last Info: 05/02/1991

Ftg: 910 fsl 990 fwl

Lat-Long by GITI: 36.946300 - 107.523160

Oper Address: PO Box 4289, Farmington NM 87499 - 505/326-9700

Obj: 3775 Pictured Cliffs Permit #: 07/24/1980 API: 30-045-2458800

Elev: 6637GR

Spud: 12/18/1980 Contr: Four Corners Rig #: 2

TD: 3822 Pictured Cliffs PB: 3761

Elev: 6637GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Scout,I=IOG,T=Govt,S=Shell,G=USGS,N=NRIS)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Kirtland	3079	3558	L H	Pictured Cliffs	3572	3065	L H
Fruitland	3282	3355	L H				

Casing: 8 5/8 @ 145 w/35
4 1/2 @ 3794 w/515

Tubing: 1 1/2 @ 3727

Perfs : 3450-3760 (Pictured Cliffs )
@ 3450, 3486, 3495, 3504, 3513, 3525, 3534, 3543, 3554, 3563, 3582,
3591, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690,
3719, 3726, 3741, 3751, 3760 w/26 holes.

IP : F 277 MCFGPD AOF 570 MCFGPD SICP 1465

Journal: 12/24/80 WOCT.

3/7/81 SIFT.

6/17/81 completed gas well.

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STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

September 22, 1994

Meridian Oil Inc.  
P.O. Box 4289  
Farmington, New Mexico 87402

Attention: Mr. Craig McCracken

Dear Mr. McCracken:

I have received the supplemental data you submitted concerning the area of review wells in Case No. 11067. Please be advised that Division Form C-108 requires the following information:

"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 a schematic of any plugged well illustrating all plugging detail."

Please submit the following supplemental data:

- 1) Well location (Footage)
- 2) All casing sizes and setting depths
- 3) Cement quantity and/or volumes used for each casing string
- 4) Cement tops on all casing strings
- 5) Perforation record
- 6) Tubing size and setting depth
- 7) Completion data
- 8) Other pertinent data such as plug back data, record of squeezed perforation or casing leaks, etc.

Due to certain Division deadlines regarding hearing orders, I will most likely process your application prior to the submittal of the requested data. Please be advised however, that this case will be reopened if the additional data indicates that an area of review well is not cased or cemented in a manner to confine the injected CO2 to the injection formation.

If you have any questions, please contact me at (505) 827-5800.

Sincerely,

A handwritten signature in cursive script, appearing to read "David Catanach", with a long horizontal flourish extending to the right.

David Catanach  
Engineer

xc:   OCD-Aztec  
      Mr. W. Thomas Kellahin  
      P.O. Box 2265  
      Santa Fe, New Mexico 87504-2265