# CAPROCK - ROCK QUEEN UNIT Authorization to Inject Tabulation of Well Data (VI)

All Rock Queen Unit P&A'd wells and the P&A'd wells within the 1/2 mile buffer area

API Number         Footage         40-acre Loc.         Sec.         Township         Range           30005007880000         1880° FSL & 660° FWL         14L         14         13S         31E           30005007870000         660° FSL & 1980° FWL         14M         14         13S         31E           30005007890000         660° FSL & 1980° FEL         14O         14         13S         31E           30005007890000         660° FSL & 1980° FEL         14D         14         13S         31E           30005008230000         660° FSL & 1980° FEL         14D         14         13S         31E           30005008230000         660° FNL & 660° FEL         23A         23         13S         31E           30005008430000         660° FNL & 1980° FWL         24C         24         13S         31E           30005008430000         660° FNL & 1980° FWL         24E         24         13S         31E           300050080830000         330° FNL & 1980° FWL         24E         24         13S         31E           30005008080000         1890° FNL & 1980° FWL         24E         24         13S         31E           30005008040000         1650° FNL & 1980° FWL         15C         13S         31E <th>  Current   Planned   D&amp;C    </th> <th></th> <th>Sacks of Cement 150 150 150 150 125 125 125 125 125 120 200 200 200 250 250 250 250 250 250 2</th> <th>4</th> <th>5.5/14 5.5/14</th> <th>Sacks of Cement Cement Cement 100 100 100 100 100 100 100 100 100 10</th> <th>(ft) Method (ft) Method (ft) Method (ft) Calculated 2356 Calculated 22670 Calculated 2240 Calculated 2249 Calculated 2249 Calculated 2249 Calculated 2249 Calculated 2356 Calculated 2419 Calculated 2356 Calculated 2356 Calculated 2357 Calculated 2357 Calculated 2358 Calculated</th> <th>Size/ Weight (in/#)</th> <th>Sacks of Cased or Cased Or Cased Or Cased Or Cased Or Hole Or H. O. H. O. H. Cased Cased Cased Cased Cased Or Cased Or Cased Or H. O. H.</th> <th>&gt;</th> <th></th> <th>P S</th> <th>  Peccord of Completion   Record of Completion    </th>	Current   Planned   D&C		Sacks of Cement 150 150 150 150 125 125 125 125 125 120 200 200 200 250 250 250 250 250 250 2	4	5.5/14 5.5/14	Sacks of Cement Cement Cement 100 100 100 100 100 100 100 100 100 10	(ft) Method (ft) Method (ft) Method (ft) Calculated 2356 Calculated 22670 Calculated 2240 Calculated 2249 Calculated 2249 Calculated 2249 Calculated 2249 Calculated 2356 Calculated 2419 Calculated 2356 Calculated 2356 Calculated 2357 Calculated 2357 Calculated 2358 Calculated	Size/ Weight (in/#)	Sacks of Cased or Cased Or Cased Or Cased Or Cased Or Hole Or H. O. H. O. H. Cased Cased Cased Cased Cased Or Cased Or Cased Or H. O. H.	>		P S	Peccord of Completion   Record of Completion
\$ 13 S	Inj Prod Inj Prod Inj Prod Prod Prod Prod Prod Prod Prod Dry Hole Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/24	150 150 125 125 125 125 125 125 125 125 125 125		5.5/14 5.5/14 5.5/14 6.5/14						3023-3029		
138 138 138 138 138 138 138 138 138 138	Prod Inj Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/24	150 125 125 125 125 125 100 175 100 175 100 175 100 175 100 175 100 175 100 175 100 125 125 125 125 125 125 125 125 125 125		5.5/14 5.5/14 6.5/14 4.5/9.5 5.5/148.15.5 5.5/148.15.5 4.5/9.5 6.625/19 7/20 			lated	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
13S 13S 13S 13S 13S 13S 13S 13S 13S 13S	Inj Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/22 8 625/22 8 625/22 8 625/24 8 625/24 8 625/24 8 625/24	125 150 125 125 125 100 100 176 150 200 200 250 250 250 250 250 250 250 2		5.5/14 5.5/14 6.5/14 4.5/9.5 5.5/148.15.5 5.5/14 5.5/148.15.5 4.5/9.5 4.5/9.5 4.5/9.5 6.625/19 7/20  6.5/14			lated	Cas (Sa		3040-3050	P&A UD/	
13S 13S 13S 13S 13S 13S 13S 13S 13S 13S	Prod Inj Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/24 8 625/24 8 625/24 8 625/32 8 625/34 8 625/34 8 625/34 8 625/34 8 625/34 8 625/34 8 625/32 8 625/32	150 175 175 125 126 100 176 150 200 200 250 250 250 250 250 250 250 2		5.5/14 5.5/14 4.5/9.5 5.5/14815.5 5.5/14815.5 4.5/9.5 4.5/9.5 6.6/25/19 7/20 7/20 5.5/14			lated	O O O O O O O		3030-3044	P&A 06/	06/70 Initial completion natural (09-55). Converted to water injection 11-60.
13 S 1 13 S 13 S 13 S 13 S 13 S 13 S 13	Inj Prod Prod Prod Prod Prod Prod Dry Hole Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/24 8 625/24 8 625/24 8 625/24 8 625/24 8 625/24 8 625/24 9 625/24 8 625/24 8 625/24 8 625/24 8 625/24 8 8 625/24	125 175 125 125 100 170 175 170 175 170 175 175 175 175 175 175 175 175 175 175		6.5/14 4.5/9.5 5.5/148-15.5 5.5/148-15.5 4.5/9.5 4.5/9.5 4.5/9.5 4.5/9.5 6.625/19 7/20 			lated	O C G S S C O O O	-	3046-3057	P&A 06/	06/70 Initial completion natural (04-55).
13S 13S 13S 13S 13S 13S 13S 13S 13S 13S	Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/24 8 625/28 8 625/32 8 625/24 8 625/24 8 625/24 9 625/22 9 625/32 9 625/32 8 825/24 8 825/24 8 825/24 8 825/24 8 825/24 8 825/24 8 825/24	175 125 100 100 176 176 176 176 100 150 250 250 250 250 250 250 250 250		4.5/9.5 5.5/148.15.5 6.5/148.15.5 4.5/9.5 6.5/14 4.5/9.5 6.625/19 7/20  5.5/14			liated li	O O G S S O O O	Н. 3068	3054-3068	P&A 04/	04/65 Converted to water injection 07-60.
13S 13S 13S 13S 13S 13S 13S 13S 13S 13S	Prod Prod Inj Prod Prod Prod Prod Prod Dry Hole Prod Prod Prod Prod Prod Dry Hole	8 625/24 8 625/28 8 625/32 8 625/24 8 625/24 8 625/24 8 625/24 9 625/32 9 625/32 9 625/32 8 625/24 8 625/24 8 625/24	125 100 100 175 150 200 150 250 250 250 250 250 200		5.5/14215.5 5.5/14215.5 4.5/9.5 6.5/14 4.5/9.5 6.625/19 7/20  5.5/14			liated lated lated lated lated lated lated lated lated lated	Cas Cas	Н. 3071	3058-3071	P&A 05/64	П
13S 13S 13S 13S 13S 13S 13S 13S 13S 13S	Prod Inj Prod Prod Prod Dry Hole Prod Dry Hole Dry Hole Prod Dry Hole	8 625/28 8 625/32 8 625/24 8 625/24 8 625/24 8 625/24 10.75/32.75 9 625/32 9 625/32 8 625/24 8 625/24 8 625/24 8 625/24 8 625/24	125 100 175 150 200 150 250 250 250 250 250 250 250		5.5/14.5.5 4.5/9.5. 4.5/9.5. 5.5/14. 			liated lated	Cas O O	3107 be	3060-3068	P&A 07/	07/70 Initial completion frac'd w/ 15,000 gal lease oil & 15,000# sand (09-56).
	Prod Prod Prod Dry Hole Prod Dry Hole Prod Dry Hole Dry Hole Prod Dry Hole	8 625/24 8 625/24 8 625/24 8 625/24 8 625/24 10.75/32.75 9 625/32 9 625/32 8 625/24 8 625/24 8 625/24 8 625/24	175 175 150 150 170 170 170 170 170 180 280 280 280 280 280		4.5/8.5 4.5/8.5 4.5/8.5 5.5/14 4.5/8.5 6.625/19 7/20  5.5/14			ulated ulated ulated ulated	Cas	3090 pe	3059-3069	P&A 05/	05/64 Initial completion frac'd w/ 10,000 gal oil & 10,000# sand (11-55).
	Prod Prod Prod Dry Hole Prod Prod Prod Prod Prod Prod Dry Hole Prod Dry Hole Prod Prod Prod Prod Prod Dry Hole Prod Prod Prod Prod Prod Prod Prod Prod	8 625/24 8 625/24 8 625/24 8 625/24 8 625/24 10.75/22.75 9 625/32 9 625/32 8 625/24 8 625/24 8 625/24	175 150 170 175 100 150 250 250 250 250 250		4.5/8.5 4.5/8.5 5.5/14 4.5/8.5 6.625/19 7/20  5.5/14			ulated ulated ulated 	o o	3106	3063-3068	P&A 03/	03/65 Initial completion frac'd w/ 15,000 gal oil & 15,000# sand (12-57).
	Prod Prod Dry Hole Prod Prod Dry Hole Dry Hole Prod Dry Hole Prod Dry Hole Dry Hole Prod Dry Hole	8 625/24 8 625/24 8 625/24 8 625/24 10.75/32.75 9 625/32 9 625/32 8 625/24 8 625/24 8 625/24	150 175 100 1150 250 250 250 250 200		4.5/9.5 6.55/14 4.5/9.5 6.625/19 7/20  5.5/14			ulated ulated ulated	o'	Н	3058-3075		
	Prod Prod Prod Prod Prod Dry Hole	8.625/24 8.625/28 8.625/24 10.75/32.75 9.625/32 8.625/24 8.625/24 8.625/24 8.625/24	200 100 150 250 250 250 250 200		4.5/9.5 6.625/19 7/20  5.5/14		0 0 0	ulated	-	+	3055-3075		
	Prod Prod Prod Prod Dry Hole Prod Dry Hole Prod Dry Hole Prod Dry Hole Prod	8.625/24 10.75/32.75 9.625/32 9.625/32 8.625/24 8.625/24 8.625/24 8.625/24	100 150 250 250 250 250 200 200		4.5/9.5 6.625/19 7/20  5.5/14		m . a.	ulated	O. H.	3101	3066-3069	D&A 11/48	11/5/ Initial completion natural (10-5/). 11/48 Well was drilled to the Queen and subsequently D&A'd.
	Prod Prod Dry Hole Prod Dry Hole Prod Dry Hole Prod Dry Hole Prod Prod Prod Prod Prod Dry Hole Prod Dry Hole Inj	10.75/32.75 9.625/32 9.625/32 8.625/34 8.625/24 8.625/24 8.625/24	250 250 250 250 225 200 200		5.5/14				O		3065-3071		03/57 Initial completion frac'd w/ 5,000 gal lease crude & 5,000# sand (01-57).
	Prod Dry Hole Dry Hole Prod Dry Hole Prod Dry Hole Prod	8.625/24 8.625/24 8.625/24 8.625/24 8.625/24	250 250 250 250 250 225 200		5.5/14			lated	Cased	+	3054-3069		
+	Dry Hole Prod Dry Hole Prod Dry Hole Prod Inj	8.625/22 8.625/24 8.625/24 8.625/24 8.625/24	250 225 200 200 200		5.574 4.175.83 4.175.83			Survey	OH		3074-3083		
H	Dry Hole Prod Dry Hole Prod Dry Hole	8.625/22 8.625/24 8.625/24 8.625/24	250 200 200		5.5/14		-			+	-		
	Dry Hole Prod Dry Hole Prod Dry Hole	8 625/32 8 625/24 8 625/24 8 625/24	250 200 200		5.5/14		1					H	
	Dry Hole Prod Dry Hole Prod Dry Hole	8.625/32 8.625/24 8.625/24 8.625/24	250 200 200		5.5/14		1						
13S 32E	Prod Dry Hole Prod Dry Hole	8.625/24 8.625/24 8.625/24	225 200 200		5.5/14					4459	1	D&A 01	01/74 Well was drilled to the San Andres and subsequently D&A'd.
	Dry Hole Prod Dry Hole	8.625/24	200		5.5/14	-	2620 Temp	Temp Survey	O. H.		3050-3058		
13S 32E	Prod Dry Hole Inj	8.625/24	200	_	5.5/14		1			3085	1	D&A 02	02/58 Well was drilled to the Queen and subsequently D&A'd.
13S 32E	Dry Hote			Surf Calculated		3069	2388 Calcu	Calculated	O.	Н. 4361	3072-3075	P&A 02	Initial completion frac'd w/ 3,750 gal oil 8,7500# sand (04-55). Well was 02/57 deepened to test San Andres as potential water supply zone before the unwell was P&A/d.
	Dry Hole Inj	_											
+	Uny Hole	10,000	104	+	2 2145 5	2022	3000	pote include	C	3083	2077-3082	000	00/57 Well was defined to the Ocean and subsequent D&A'd
+	ĺu	8.625/24	125		6.61/6.6	-	+	ulated	o d	+	2007-1700		
14S 31E		55 8.625/24 355	320	Surf Circulated	5.5/14	3090 150	2409 Calcu	Calculated	Cased	LANS De	30/4-3082		Converted to water injection 06-62. Shut-in well 12-64.
14S 31E	1E Prod 06/57	57 8.625/24 295	125	Surf Calculated	5.5/14	3126 250	2020 Calcu	Calculated	Cased	ed 3128	3080-3086	P&A 06	06/70 initial completion fraction (10,000 gallon & 10,000# saild (10-37). Single well 02-70.
13S 31E	1E Inj 03/55	55 13.375/48 250	250	Surf Circulated	5.5/14	3036 250	2355 Calcu	Calculated	0.	Н. 3055	3036-3055	P&A 11	11/73 Initial completion natural (03-55). Converted to water injection 05-62. Shut-in well 05-73.
13S 31E	1E Prod 07/55	55 8.625/28 274	115	Surf Calculated	5.5/14	3059 125	2208 Calcu	Calculated	0.	Н. 3079	3061-3079	P&A 10	10/73 Initial completion frac'd w/ 10,000 gal oil & 10,000# sand (07-57). Shut-in well 01-71.
13S 31E	1E Inj 01/55	55 8.625/22.7 293	150	Surf Calculated	5.5/14	3052 300	1215 Calcu	Calculated	0.1	H. 3083	3063-3083	P&A 11	11/73 Initial completion natural (01-55). Converted to water injection 05-63.
13S 31E	1E Prod 12/54	54 8.625/22.7 291	150	Surf Calculated	5.5/14	3053 300	1215 Calcu	Calculated	0.1	H. 3076	3058-3076	P&A 11	11/73 Initial completion natural (12-54). Shut-in well 11/73.
13S 31E	įd	12.75/45.45	239 250 S	Surf Calculated	7/20	3047 125	2065 Calcu	Calculated	O. H.	Н. 3064	3049-3064	P&A 11	11/73 Initial completion natural (03-55). Converted to water injection 06-62.
13S 31E	1E Prod 06/55	8.625/24	305 185 S	Surf Calculated	5.5/14	3071 125	2220 Calcu	Calculated	Ö	Н. 3092	3072-3092	P&A 10	10/73 Initial completion natural (06-55). Shut-in well 01/71.
	lnj	8.625/24	125		5.5/14			Calculated			3072-3085		10/73 Initial completion frac'd w/ 10,000 gal oil & 10,000# sand (06-55).  Converted to water injection 05-65. Shut-in well 01-71.
22 13S 31E	1E Prod 05/55	8.625/24	316 150 S	Surf Calculated	5.5/14	3054 100	2373 Calcu	Calculated	Cased	ed 3059	3036-3048	P&A 12	12/56 Initial completion frac'd w/ 10,000 gal lease oil & 10,000# sand (05-55).
21 13S 31E	11/85	8.625/24	359 250 S	Surf Circulated	4.5/10.5	300	1246 Calcu	Calculated	Cased	ed 2800	2742-2747	SI? or 12 P&A?	Initial completion frac'd w/ 14,848 gal gelled KCl water, 4013 gal CO2, & 21,000# sand (11-85). A Sundry Notice was submitted 08-06 to P&A this well. The actual P&A has not been documented in the NM OCD well files

CAPROCK - ROCK QUEEN UNIT
Authorization to Inject Tabulation of Well Data (VI)

All Rock Queen Unit P&A'd wells and the P&A'd wells within the 1/2 mile buffer area

Initial completion frac'd w/ 2,400 gal lease crude and 2,400# sand (01-85 56). Converted to water injection 01-42. Due to bad casing, this well was A2Ad 12-08. The plan is to redrill this injector location.

Initial completion frac'd w/ 4,000 gal lease crude and 4,000# sand (06-55). Converted to water injection 01-42. Due to bad casing, this well was P2Ad 09-08. The plan is to redrill this injector location.

Initial completion frac'd w/ 10,000 gal control frac & 10,000# sand (08-57).

Converted to water injection 01-64. P&A'd 02-09. The plan is to redrill this injector location. Initial completion fract dw/ 8,000 gal lease oil & 4,000# sand (11-55).

Convented to water injection 12-20. Shut-in well 07-80.

Converted to water injection 01-61. Shut-in well 07-80.

Converted to water injection 01-61. Shut-in well 06-75. The plan is to redrift little injection focation.

Initial completion fract dw/ 10,000 gal lease crude & 7,500# sand (03-55).

Converted to water injection 01-61. Shut-in well 03-83. The plan is to redrift little injection fact dw/ 10,000 gal lease crude & 7,500# sand (03-55).

Converted to water injection 01-61. Shut-in well 03-83. The plan is to redrift little injection cation.

Initial completion natural (09-55). Converted to water injection 08-61.

Due to bad casing and lost circulation, the plan is to P&A this well Initial completion frac'd w/ 8,000 gal lease oil & 8,000# sand (09-55).

Converted to water injection 04-61. Shut-in well 06-75. Due to small casing size and bad casing, the plan is to redrill this injector location Converted to water injection 03-60. Shut-in well 12-75.
Initial completion fract will 80.00 gal lease oil 8, 80.00# sand (07-55).
Converted to water injection 04-60. Shut-in well 04-75. Initial completion fract will 3,000 gal lease oil 8,3,000# sand (08-55).
Converted to water injection 03-60. Shut-in well 12-67.
Initial completion fract will 8,000 gal lease oil 8,4,000# sand (05-55).
Converted to water injection 08-60. Shut-in well 12-75. Due to bad casing and Junk in the wellbore, the plan is to redrill this injector 7,500# sand (03-55) sand (08-55). The plan is to and redrill this injector location.

Thirlial completion fract Mr 5.000 gai lease crude and 8,000# sand (09-65), Converted to water ripection 10-61. Due to bad casing and junk in the wellbore, this well was P&A'd 11-08. The plan is to redrill this Initial completion natural (01-bb). Converteu to wake injudicial building that the state of the Initial completion frac'd w/ 4,000 gal lease oil & 4,000# sand (05-55).

Converted to water injection 04-80. Shut-in well 06-75.

Initial completion frac'd w/ 30,000 gal lease oil & 27,500# sand (06-55).

Converted to water injection 04-80. Shut-in well 06-75.

Converted to water injection 04-80. Shut-in well 06-75. Initial completion fracd w/ 8,736 gal oil & 15,000# sand (07-61). Initial completion fracd w/ 5,000 gal sanfrac oil & 5,000# sand (06-55). Converted to water injection 12-80. Initial completion fracd w/ 10,000 gal lease oil & 15,000# sand (04-55). Initial completion fracd w/ 10,000 gal lease oil & 15,000# sand (04-55). Initial completion frac'd w/ 21,000 gal lease oil & 15,000# sand (02-55). Installed 65' of 4 1/2" liner from 2964' - 3029', and perforated 3022' - 3028' (09-60). Converted to water injection 09-60. Shut-in well 02-80. frac'd w/ 4,000 gal gelled lease oil & 2,000# sand (12.) water injection 12-62. Shut-in 12-69. onverted to water injection 12-62. Shut-in 12-69.
vas drilled to the Morrow and subsequently D&A'd.
completion natural (01-56). Converted to water injection 11-61 P&A'd 01-09. The plan is to redrill this injector location.
Initial completion fracid w/3,750 gal lease oil & 7,500# sand (04-56).
Converted to water injection 01-63. Shut-in 06-85. The plan is to attempt to re-enter this wellbore. attempt to re-enter this wellbore.

Converted to water injection 11-61 Initial completion frac'd w/ 8,000 gal lease oil 8,8,000# sand (06-55). Converted to water injection 01-61. ShuLin 12-72. Initial completion frac'd w/ 8,000 gal lease oil 8,8,000# sand (09-55). Converted to water injection 01-61. ShuLin well 06-75. Due to bad casing and junk in the wellbore, the plan is to redrill this injector Initial completion natural (01-56). Converted to water injection 01-63. Shut-in 12-77. The plan is to attempt to re-enter this wellbore. on natural (01-56). Converted to water injection 03-64. The plan is to attempt to re-enter this wellbore. Initial completion frac'd w/ 8,000 gal lease oil & 8,000# Converted to water injection 08-60. Shut-in well 04-75. onverted to water injection 07-60.

tial completion fracd w/ 8,000 gal
onverted to water injection 04-65. Initial completion natural (06-55). Initial completion natural (09-55). Shut-in well 04-75. Initial completion Shut-in 04-78. T Last Prodn/ Inj (mo/yr) 04/20 04/65 02/20 02/20 07/04 02/76 98/90 12/84 01/83 01/83 04/65 02/76 01/76 01/76 02/76 02/76 02/76 03/76 12/06 02/76 P&A TA 3049-3065 3026-3048 2857-2869 3046-3058 3036-3049 3029-3052 3028-3045 3057-3068 3067-3071 3010-3038 3060-3072 3055-3059 3033-3048 3057-3075 3035-3048 3045-3050 3050-3070 3061-3069 3061-3067 3066-3071 Perf/ O.H. Interval (ft-ft) 3022-3028 3035-3052 3024-3028 3023-3028 3034-3055 3063-3067 3038-3061 3049-3057 3058-307 3048-Well TD (ft) 3071 3048 3038 3065 3058 3072 3066 3059 3048 3075 3048 3029 3052 2881 3052 3079 3045 3046 3070 3055 3090 3089 3067 3028 3057 3067 3076 3071 3067 3071 3061 3051 Cased or Open Hole O. H. Cased Cased Cased Cased Cased Cased O. H. O. H. O. H. O. O. H. O. H. O. H. O. H. O. O. H. O. O. H. O. H. O. H. Sacks of Cement 20 25 Liner -Size/ Weight 3.5 4.5 Pulled Casing Calculated Circulated Calculated Calculated Calculated Calculated Calculated Calculated Top of Cement (ft) 2190 2660 2390 2042 2672 2382 2019 2392 2416 2520 2328 2352 2200 2347 2294 1666 2364 2339 Surf 2353 1872 2658 2670 2393 2312 2571 2386 2400 2380 2385 602 Surf Surf 2397 200 100 1075 200 125 100 100 100 100 100 150 150 100 100 100 100 500 75 100 150 75 100 200 75 75 75 100 100 75 75 75 75 3033 3033 3028 3079 3028 3045 3020 3050 3049 3089 3089 3010 3024 3049 3042 3071 3063 3060 3063 3055 3057 3031 3009 2881 3047 3034 3067 3066 3038 3034 3058 3061 Prodn Csg . Size/ Wt. (in/#) 7/17 & 25 4.5/11.6 9.625/36 5.5/14 4.5/9.5 4.5/9.5 4.5/9.5 4.5/9.5 5.5/14 4.5/9.5 5.5/14 4.5/9.5 4.5/9.5 4.5/9.5 4.5/9.5 5.5/14 5.5/14 5.5/14 4.5/9.5 5.5/14 5.5/14 4.5/9.5 5.5/14 5.5/15 5.5/14 7/20 7/20 7/20 Circulated Calculated Calculated Calculated Circulated Calculated Circulated Top of Cement (ft) Surf Sur Surf Surf Surf Surf Sur Surf Surf 175 135 125 350 200 150 200 100 250 200 200 200 200 250 100 100 140 200 140 200 250 100 250 175 175 250 150 200 200 200 200 225 400 173 358 175 258 298 151 305 296 302 310 252 217 150 180 317 296 306 292 279 299 282 305 294 1242 264 302 305 260 369 297 247 307 303 8.625/24 8.625/32 10.75/32.3 7.625/26.4 7.625/26.4 9.625/32.3 8.625/32.3 13.375/48 8.625/24 7.625/26.4 8.625/24 7.625/26.4 8.625/24 7.625/26.4 9.625/32 7.625/26.4 8.625/24 8.625/24 8.625/24 7.625/24 8.625/24 8.625/32 7.625/24 8.625/28 8.625/32 8.625/24 8.625/24 8.625/24 8.625/24 8.625/24 8.625/24 D&C (mo/yr) 09/55 03/55 12/59 01/56 02/56 11/55 10/56 06/55 09/55 10/55 02/55 05/55 06/55 07/55 08/55 05/55 11/55 08/55 03/55 09/55 12/55 01/56 06/55 08/57 07/57 03/56 01/56 01/56 06/55 02/55 03/56 03/55 Planned Well Type Ę Ē Ξ Ē Ē Ē Ę Ξ Ę Ę Ę Ē . L Ē ī. Ē Ē Ē Ę Ē Ē Ē Ē Ē Ē Ē Г Current Well Type Ę Prod Ξ J. Ē Ę Ξ J. ij Ē Ē Ī. Ę Ę Ę Ξ Ē Ę Ę Ę Ę Ē Ę. Ę Ē ī Ę ī Ę Ē Ę Ē 31E 32E 31E 31E 31E 31E 31E 32E 31E 31E 32E 32E 138 138 138 138 135 138 Sec. 24 24 24 23 22 22 22 22 27 27 30 12 15 4 4 14 24 23 23 27 26 26 25 25 25 25 30 31 36 25H 30005007960000 | 1980' FSL & 1982' FWL 30005008470000 1650' FSL & 2310' FEL 30005008920000 1650' FNL & 2310' FWL 30025002930001 1980' FSL & 1980' FEL 30005008150000 1980' FSL & 1980' FEL 30005008170000 660' FSL & 1980' FWL 30005008890000 1980' FSL & 1980' FEL 30005008560000 1980' FNL & 1980' FWL 1980' FSL & 1980' FEL 30005008430000 | 1980' FSL & 660' FWL 30005008180000 1650' FSL & 990' FWL 30025002990000 660' FSL & 1770' FWL 30005008400000 660' FSL & 1980' FWL 30005008260000 1980' FSL & 660' FWL 30005008530000 | 1980' FSL & 1980' FEL 30025003000000 1980' FSL & 1980' FEL 30005009400000 | 1980' FSL & 1980' FEL 30005008290000 660' FSL & 1980' FWL 30005008850000 330' FNL & 1650' FEL 30005008010000 | 1980' FSL & 660' FEL 30005008100000 660' FNL & 1980' FEL 30005008840000 | 1980' FNL & 330' FEL 30005009440000 | 1980' FNL & 660' FEL 30005007880000 | 1980' FSL & 660' FEL 30005008140000 1980' FNL & 660' FEL 30005008700000 660' FNL & 1980' FEL 30025003140000 330' FNL & 330' FWL 30005008040000 660' FSL & 1980' FEL 3000500800000 660' FSL & 660' FEL 30005008460000 330' FSL & 990' FEL 30005008580000 1980' FNL & 660' FEL 30005008630000 660' FNL & 660' FWL 30005008330000 660' FSL & 990' FEL 30005008800000 | 660' FNL & 660' FWL 30005007940000 30025003130000 API Number Original Well Name & No. FFSET WELLS TO THE NORTH OF THE ROCK QUEEN UNIT 14-9 Chaves State "BM" E #1 23L Chaves State BM A #3 Chaves State AH #A-1 Chaves State BM A #6 Chaves State BM D #2 N.M. State H A/c 2 #1 Carper Superior A #2 Chaves State BM #1 Chaves State BM #1 Chaves State A #1 Government #1-337 Chaves State A #2 Resler-State "B" #1 27B Malco Federal #3 15-9 Federal "A" #2 5 Federal-Whaley Gale State #2B 14-11 Manny-State #4 27F Las Cruces #2 W. M. Tulk #3 State 335 #1 W. M. Tulk #6 W. M. Tulk #8 State W #2 31DN State "X" #1 State U #15 State U #11 15-16 Federal #1 22N State #6 State #8 State #7 247 24N 24P 22B 22H 27H 36H 14-10 Well No. 24L 23P 227 22L 27J 36 38 24 92 36J 3 23N 28 9 14 26 North Central Caprock
Queen Unit
Federal-Whaley
North Central Caprock
Queen Unit
North Central Caprock
North Central Caprock
Authority
North Central Caprock
Queen Unit
North Central Caprock
Queen Unit Rock Queen Unit Tomahawk State Rock Queen Unit Unit/ Lease

DATE: Jan. 22, 2008 BY: **JEA** FIELD: Caprock **Rock Queen** WELL: 3 LEASE/UNIT: STATE: **New Mexico COUNTY:** KB = Location: 1980' FSL & 1980' FEL, Sec 19J, T13S, R32ECM GL = SPUD: 8/54 COMP: 10/55 API = 30-025-00293CURRENT STATUS: P&A Injector (07-04) Original Well Name: State "335" #1 Spotted 15 sx cmt plug at surface. 17 1/4" 13-3/8" 48# H-40 @ 358' cmt'd. w/ 350 sx. TOC @ surface (calc). Spotted 50 sx cmt plug from @ 406'. Tagged TOC @ 260'. 10# brine From the plugging report, there appears to be some tubing left in the wellbore with the top of the fish @ 1960' +/-. 12 1/2" Spotted 2 - 40 sx cmt plugs @ 2317'. Did not tag TOC. Top of Queen @ 3064': Queen: 3065-3071' (8 SPF) (12-59) CIBP @ 3140' 9 5/8" 36# J-55 @ 3756' cmt'd. w/ 2700 sx (circ) Spotted 25 sx cmt plug from 3725' - 3775' Shot and pulled 7" casing from 4188' Heavy mud 8 3/4" TOC @ 10,368 (T.S.) Spotted 50 sx cmt plug from 10,865' - 11,115' Lower Penn Sand: 11,097' - 11,114' (01-55) CIBP @ 11,300' w/ 2 sx cmt cap 11,350' - 11,358' (8 SPF) (01-55) 11,376' - 11,386' (8 SPF) (01-55) 7" 32, 29, 26, 23# N-80 @ 11,493' cmt'd w/ 250 sx cmt (DNC) 100 sx cement plug from 11,493' - 11,600' (Devonian was wet) PBTD - 11,460' TD - 12,519' 6/10/2008 RQU #3.xls

#### Well History: Rock Queen Unit # 3

(01-55) - Initial Completion: Perforated 11,376' - 11,386' (8 SPF). Frac'd w/ 1,000 gal Petrofrac and 1000# sand. Acidized w/ 1,000 gal 15% acid. Swabbed dry. Perforated 11,350' - 11,358' (8 SPF). Swabbed 100% salt water. Set CIBP @ 11,300' w/ 2 sx cmt cap. Perforated 11,099 - 11,100 (4 shots) to take water shut-off test.

Perforated 11,097 - 11,114 and treated w/ 500 gal mud acid and 2,000 gal 15% HCl acid. Frac'd w/ 35,000 gal Petrofrac and 35,000# sand. Flowed 158 BOPD ( GOR = 1709).

(12-59) - Re-completion: Spotted a 50 sx cmt plug from 10,865' - 11,115'. Shot and pulled 7" casing from 4188'. The 7" casing was full of heavy mud. Spotted a 25 sx cmt plug from 3725' - 3775' across 9 5/8" casing shoe. Set a CIBP @ 3140'. Perforated Queen 3065' - 3071' (8 SPF). Frac'd Queen w/ 250 gal mud acid, 4,000 gal gelled lease oil, and 2,000# sand. IP 33 BOPD (GOR = 784).

(12-62) - Convert to Injection: Cleaned out well to PBTD. Ran 2 3/8" injection tbg and packer. Set packer @ 3027'. Converted well to water injection.

#### (12-03) - Wellbore was sold to Asher Enterprises Ltd Co,:

(04-04) - Re-completion: Asher planned to re-enter this wellbore, drill out the cement and CIBP's to 11,500', run a 4 1/2" liner, frac the Lower Penn perforations, and return the well to production.

Asher started to clean out wellbore w/ 8 3/4" bit and lost circulation @ 2830'. They were not able to obtain circulation so they gave up on their re-entry workover.

#### (07-04) - P&A Well:

6/10/2008 RQU #3.xls

DATE: Jan. 29, 2008 FIELD: Caprock BY: **JEA Tomahawk State** LEASE/UNIT: WELL: **COUNTY:** Lea STATE: **New Mexico** Location: 660' FSL & 660' FEL, Sec 19P, T13S, R32ECM KB = 4.371'SPUD: 7/04 COMP: 8/04 GL = CURRENT STATUS: D&A (08-04) API = 30-025-36746Original Well Name: Tomahawk State #1 Spotted 25 sx Class C cmt plug from 95' - surface. 17 1/2" Spotted 50 sx Class C cmt plug @ 477'. Tagged TOC @ 337'. 13-3/8" 48# H-40 @ 410' cmt'd w/ 210 sx (circ) Spotted 40 sx Class C cmt plug from 1,551' - 1,411'. 12 1/4" Spotted 50 sx Class C cmt plug @ 2,246'. Tagged TOC @ 2,111'. Spotted 50 sx Class C cmt plug @ 4,050'. Tagged TOC @ 3,865'. 9 5/8" 40# N-80 @ 4000' cmt'd w/ 1500 sx cmt (circ 250 sx) 8 3/4" open hole Spotted 50 sx Class H cmt plug from 8,716' - 8,616'. Spotted 47 sx Class H cmt plug from 10,333' - 10,233'. Spotted 52 sx Class H cmt plug @ 11,281'. Tagged TOC @ 11,176'. **FISH** FISH: Fishing neck, two packers, perf XO sub, 8 DC's, XO sub, guage carrier, and bull plug in bottom of wellbore. TOF @ 11,284'. BOF @ 11,550'. PBTD -TD - 11,550'

Well History: Tomahawk State #1

(08-04) - D&A Well:

DATE: Dec. 7, 2007 Caprock BY: **GSA** FIELD: WELL: 24J Rock Queen LEASE/UNIT: **New Mexico** STATE: **COUNTY:** Chaves KB = 4,397'Location: 1650' FSL & 2310' FEL, Sec 24J, T13S, R31ECM GL = SPUD: 1/56 COMP: 1/56 API = 30-005-00847CURRENT STATUS: P&A Injector (1-76) Original Well Name: Chaves State "A" #2 10 sx cmt plug @ surface 30 sx cmt plug @ 123' - 225' 8-5/8" 24# @ 175' cmt'd. w/ 200 sx (circ) 10 #/gal Bring-Gel Shot and Pulled 5-1/2" csg @ 1000' 20 sx cmt plug @ 944' - 1050' 10 #/gal Brine w/ 25 #/Bbl TOC @ 2042' (calc) Bring-Gel to surface 25 sx cmt plug @ 2780' - 3025' 5-1/2" 14# @ 3063' cmt'd. w/ 150 sx (DNC) Top of Queen @ 3063: Queen Open Hole: 3063' - 3067' (1-56) PBTD - 3067' TD - 3067'

1/17/2008 RQU #24J

Rock Queen Unit #24J

(1-56) - Initial Completion:

Orig comp in open hole section 3063' - 3067'. IP 96 BOPD natural.

(11-61) - Workover:

Converted to WIW. Injected into O.H. thru 2-3/8" tbg and pkr set @ 3030' +-.

(1-76) - P&A Well:

1/17/2008 **RQU #24J** 

DATE: Dec. 7, 2007 **GSA** Caprock BY: FIELD: WELL: 24L LEASE/UNIT: **Rock Queen New Mexico** STATE: **COUNTY:** Chaves Location: 1980' FSL & 660' FWL, Sec 24L, T13S, R31ECM KB = 4414'GL = 4404'SPUD: 2/56 COMP: 2/56 API = 30-005-00843CURRENT STATUS: P&A Injector (2-76) Original Well Name: Chaves State "AH" #A-1 10 sx cmt plug @ surface 30 sx cmt plug @ 195' - 297' 8-5/8" 24# @ 258' cmt'd. w/ 150 sx (circ 15 sx) 10 #/gal Brine-Gel Shot and Pulled 4-1/2" csg @ 1086' 20 sx cmt plug @ 1030' - 1136' 10 #/gal Brine TOC @ 2672' (calc) Shot off 2-3/8" tbg @ 1608'. Left 500' 2-3/8" N-80 tbg in hole. Probable cement strung out up the hole to 1608' Spotted 25 sx cmt plug @ 3000'. Failed to tag plug. Set 25 sx cmt plug 2677' -3000'. Ran W.L. and tagged plug @ 2108'. Pulled on thg and thg stuck @ 1608' 4-1/2" 9.5# @ 3060' cmt'd. w/ 75 sx (DNC) Top of Oueen @ 3059: Queen Open Hole: 3060' - 3072' (2-56) PBTD - 3072' TD - 3072'

Rock Queen Unit #24L

(2-56) - Initial Completion:

Orig comp in open hole section 3060' - 3072'. Sand fraced OH w/ 8,000 gals gelled LSE oil and 8,000~# sand. IP 204 BOPD.

(4-61) - Workover:

Converted to WIW. Cleaned to TD. Ran 4-1/2" pkr on 2-3/8" tbg to 2991'.

(2-76) - P&A Well:

1/17/2008 **RQU #24L** 

DATE: Dec. 7, 2007 FIELD: Caprock BY: **GSA** Rock Queen WELL: 24N LEASE/UNIT: **COUNTY:** Chaves STATE: **New Mexico** Location: 660' FSL & 1980' FWL, Sec 24N, T13S, R31ECM KB = 4416'SPUD: 11/55 COMP: 11/55 GL = 4407'CURRENT STATUS: P&A Injector (1-76) API = 30-005-00840Original Well Name: State W #2 10 sx cmt plug @ surface 30 sx cmt plug @ 226' - 338' 8-5/8" 24# @ 298' cmt'd. w/ 200 sx. TOC @ surface (calc). Shot and Pulled 5-1/2" csg @ 1139'. Attempted cut @ 1305' but pipe not free. 20 sx cmt plug @ 1095' - 1195' 9-1/2 #/gal Brine/ Gel mud TOC @ 2382' (calc) Spotted 4-25 sx cmt plugs to obtain successful plug @ 2753' - 3020' 5-1/2" 14# @ 3063' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3063': **Queen Open Hole:** 3063' - 3066' (11-55) PBTD - 3066' TD - 3066'

6/10/2008

RQU #24N.xls

Rock Queen Unit #24N

(11-55) - Initial Completion:

Orig comp on O.H. section 3063' - 3066'. Sand fraced O.H. w/ 7500 gals LSE crude and 15,000 # sand. IP 316 BOPD.

(11-61) - Workover:

Converted to WIW. Injected into O.H. Thru 2-3/8" IPC tbg on pkr set @

2991'.

(1-76) - P&A Well:

6/10/2008

RQU #24N.xls

Dec. 14, 2007 DATE: Caprock BY: **GSA** FIELD: WELL: 24P Rock Queen LEASE/UNIT: STATE: **New Mexico COUNTY:** Chaves Location: 330' FSL & 990' FEL, Sec 24P, T13S, R31ECM KB = 4404'GL = 4393'SPUD: 10/56 COMP: 10/56 API = 30-005-00846CURRENT STATUS: P&A Injector (1-76) Original Well Name: Chaves State A #1 10 sx cmt plug @ surface 30 sx cmt plug @ 99' - 201' 8-5/8" 24# @ 151' cmt'd. w/ 100 sx (circ) Shot and Pulled 4-1/2" csg @ 1014' Pipe not free on cut @ 1203' 20 sx cmt plug @ 958' - 1064' 15 sx cmt plug @ 1331' - 1525' TOC @ 2019' (calc) Set 2-25 sx cmt plugs to obtain satisfactory plug @ 2594' - 3048' 4-1/2" 9.5# @ 3055' emt'd. w/ 200 sx (DNC) Top of Oueen @ 3055': Queen Open Hole: 3055' - 3059' (10-56) PBTD - 3059' TD - 3059'

Rock Queen Unit #24P

(10-56) - Initial Completion:

Orig comp on open hole section 3055' - 3059'. IP 192 BOPD.

(11-61) - Workover:

Converted to WIW. Injected into OH thru 2-3/8" IPC tbg and pkr @3001"+-

(1-76) - P&A Well:

1/17/2008 RQU #24P

Nov. 30, 2007 DATE: FIELD: Caprock BY: **GSA Rock Queen** 23L LEASE/UNIT: WELL: **COUNTY:** Chaves STATE: New Mexico KB = 4417'Location: 1980' FSL & 660' FWL, Sec 23L, T13S, R31ECM SPUD: 6/55 COMP: 6/55 GL= API = 30-005-00826CURRENT STATUS: P&A Injector (02-76) Original Well Name: Chaves State "BM" A #3 10 sx cmt plug @ surface 25 sx cmt plug @ 230' - 345' 7-5/8" 24# @ 305' cmt'd. w/ 250 sx (circ 35 sx) 25# gelled brine water Shot and Pulled 4-1/2" csg @ 1210' 50 sx cmt plug @ 947' - 1647' TOC @ 2392' (calc) 2 - 25 sx cmt plugs @ 2654' - 2994' 4-1/2" 9.5# @ 3033' cmt'd. w/ 75 sx (DNC) Top of Queen @?: Queen Open Hole: 3033' - 3048' (6-55) PBTD - 3048' TD - 3048'

1/17/2008

**RQU #23L** 

Rock Queen Unit #23L

(6-55) - Initial Completion:

Orig comp in open hole section 3033' - 3048'. Sand fraced w/ 8,000 gals LSE oil and 8,000 # sand. IP 118 BOPD.

(01-61) - Converted to Injection:

Set 2-3/8" IPC tbg on pkr @ 2984' and injected water into

open hole.

(2-76) - P&A Well:

1/17/2008 **RQU #23L** 

DATE: Dec. 4, 2007 **GSA** BY: FIELD: Caprock LEASE/UNIT: Rock Queen WELL: 23N STATE: **New Mexico COUNTY:** Chaves KB = 4313'Location: 660' FSL & 1980' FWL, Sec 23N, T13S, R31ECM SPUD: 9/55 COMP: 9/55 GL = API = 30-005-00829CURRENT STATUS: P&A'd Injector (02-76) Original Well Name: Chaves State BM A #6 10 sx cmt plug @ surface 7-5/8" 26.4# @ 296' cmt'd. w/ 200 sx (circ 30 sx) 25 sx cmt plug spotted @ 221' - 336' 40 sx cmt plug spotted @ 925' - 1315' Shot and Pulled 4-1/2" CSG from 1025' TOC @ 2397' (calc) 35 sx cmt plug spotted @ 1315' - 1858' Note: Durring P&A operations hole could not be cleaned out below 1858'. NMOCD granted approval to set abandonment plugs on top of junk. Hole junked below 1858' 4-1/2" 9.5# @ 3038' emt'd. w/ 75 sx (DNC) Top of Oueen @ 3038': Queen: 3038' - 3061' (Open Hole) (9-55) Perforated interval is unknown 3-1/2" liner from 3001' - 3061' cmt't w/ 50 sx PBTD - 3061' TD - 3061'

Rock Queen #23N

(9-55) - Initial Completion:

Orig comp in open hole section 3038' - 3061'. Sand fraced OH w/ 8,000 gals LSE oil and 8,000 # sand. IP 111 BOPD. Last prod: 1/61

@ 1 BOPD

(01-61) - Converted to Injection:

Ran 2 3/8" injection tubing and packer. Set packer @ 2994'

Was not able to verify the installation of the 3 1/2" liner shown on the wellbore sketch.

(2-76) - Plugged and Abandoned:

PA by Great Western Drilling Co.

1/17/2008 RQU #23N

FIELD: LEASE/UNIT:

**COUNTY:** 

Caprock **Rock Queen** 

Chaves

DATE:

Dec. 4, 2007

BY:

**GSA** 23P

WELL: STATE: **New Mexico** 

Location: 660' FSL & 990' FEL, Sec 23P, T13S, R31ECM

SPUD: 9/55 COMP: 9/55

CURRENT STATUS: P&A Injector (02-76)

KB = 4408'

GL =

API = 30-005-00833

Original Well Name: Chaves State BM #1

10 sx cmt surface plug

25 sx cmt plug spotted @ 227' - 342'

7-5/8" 26.4# @ 302' cmt'd w/ 200 sx (circ 25 sx)

Shot and pulled 4-1/2" csg from 1200'

20 sx cmt plug spotted @ 1117' - 1250'

TOC @ 2416' (calc)

25 sx cmt plug spotted @ 2653' - 3010'

4-1/2" 9.5# @ 3057' cmt'd. w/ 75 sx (DNC) Top of Queen @ 3052':

Queen Open Hole: 3057' - 3075' (9-55)

PBTD - 3075' TD - 30751

Rock Queen #23P

(9-55) - Initial Completion:

Orig comp in open hole section 3057' - 3075'. Sand fraced w/ 8,000 gals LSE oil and 8,000 # sand. IP 92 BOPD.

(4-61) - Workover:

Converted to WIW. Injected into OH thru 2-3/8" tbg and pkr set @ 2994'.

(2-76) - P&A Well:

**RQU #23P** 1/17/2008

FIELD: LEASE/UNIT:

**COUNTY:** 

Caprock Rock Queen

Chaves

DATE:

Nov. 2, 2007

BY:

**GSA** 

22B WELL:

STATE:

**New Mexico** 

Location: 660' FNL & 1980' FEL, Sec 22B, T13S, R31ECM

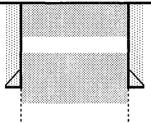
SPUD: 10/55 COMP: 10/55

CURRENT STATUS: P&A Injector (02-76)

KB = 4437'

GL = 4433'API = 30-005-00810

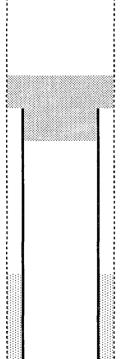
Original Well Name: Chaves State BM D #2



10 sx cmt surface plug

25 sx cmt plug set @ 340' - 225'

7-5/8" 24# @ 310' cmt'd w/ 200 sx (circ 35 sx)



Shot and pulled 5-1/2" csg @ 863'

20 sx cmt plug set @ 913' - 790'

Shot and attempted to pull 5-1/2" csg @ 1548', 1449', 1351', 1123', 1090', and 928'

TOC @ 2520' (calc)

25 sx cmt plug set @ 3010' - 2838'

5-1/2" 14# @ 3031' emt'd. w/ 75 sx (DNC) Top of Queen @ 3035':

**Queen Open Hole:** 3035' - 3048' (10-55)

PBTD - 3048' TD - 3048'

6/10/2008

RQU #22B.xls

Rock Queen #22B

(10-55) - Initial Completion:

Orig comp in OH section 3035' - 3048'. Sand fraced w/ 8,000 gals LSE oil and 8,000 # sand. IP 624 BOPD.

(8-60) - Workover:

Converter to WIW. Ran logs, 2-3/8" IPC tbg and pkr set @ 3000'.

(2-76) - Workover:

P&A By Great Western Drilling Co.

6/10/2008 RQU #22B.xls

DATE: Nov. 2, 2007 Caprock **GSA** FIELD: BY: Rock Queen LEASE/UNIT: WELL: 22H **COUNTY:** Chaves STATE: **New Mexico** KB = 4419'Location: 1980' FNL & 660' FEL, Sec 22H, T13S, R31ECM SPUD: 2/55 COMP: 2/55 GL = 4417' CURRENT STATUS: P&A Injector (07-80) API = 30-005-00814 Original Well Name: Gale State #2B 10 sx cmt plug @ surface 10.1 #/Gal mud 35 sx cmt plug spotted 302' - 165' 8-5/8" 28# @ 252' cmt'd. w/ 200 sx (circ) 10.1 #/Gal mud Set 25 sx cmt plug @ 1327' - 1223' Shot and pulled 5-1/5" csg @ 1277'. Most of recovered 5-1/2" was thin and pitted. 10.1 #/Gal TOC @ 2328' (calc) mud 25 sx cmt plug @ 2995' - 2778' 5-1/2" 14# @ 3009' cmt'd. w/ 100 sx (DNC) Top of Oueen @ 3023': Queen: 3009' - 3029' (Open Hole) (2-55) 3022' - 3028' (4 SPF) (7-61) 4-1/2" from 2964' - 3029' cmt't w/? sx PBTD -TD - 3029'

Well History: Rock Queen #22H

Orig comp in open hole section 3023' - 3029'. Sand fraced 3023' - 3029' w/ 15,000 # sand and 500 bbls oil. IP 200 BOPD (2-55) - Initial Completion:

Converted to WIW. Ran 4-1/2" liner from 3029 to 2964'. Perf 4-1/2" liner 3022' - 3028' @ 4 shots /ft. Ran 2-3/8" IPC tbg on pkr to 2990' (9-60) - Workover:

(7-80) - P&A Well: P&A by Great Western Drilling Co.

> 1/17/2008 **RQU #22H**

DATE: Nov. 5, 2007 Caprock BY: **GSA** FIELD: **22**J WELL: **Rock Queen** LEASE/UNIT: **New Mexico** STATE: Chaves **COUNTY:** KB = 4431'Location: 1980' FSL & 1980' FEL, Sec 22J, T13S, R31ECM GL = SPUD: 5/55 COMP: 5/55 API = 30-005-00815CURRENT STATUS: P&A Injector (02-76) Original Well Name: N.M. State H A/c 2 #1 10 sx cmt surface plug 9.5 #/gal Brine 60 sx cmt plug spotted @ 176' - 248' 13-3/8" 48# @ 217' cmt'd w/ 250 sx. TOC @ surface (calc). 9.5 #/gal Brine Shot and pulled 5-1/2" csg @ 621' 30 sx cmt plug spotted @ 573' - 671' Note: Prior to cutting csg @ 621', the 5-1/2" csg was shot @ 930', 837', and 747' TOC @ 2352' (calc) 9.5 #/gal Brine Note: 8-5/8" water string was set @ 1410' and Rotary Tools were used to drill from 1410' to TD. The 8-5/8" casing was recovered. 5-1/2" 14# @ 3033' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3035': Queen Open Hole: 3033' - 3052' (5-55) PBTD - 3052'

6/10/2008

RQU #22J.xls

TD - 3052'

Rock Queen #22J

(5-55) - Initial Completion:

Orig comp in open hole section 3035' - 3052'. Sand fraced w/ 4,000 gals oil and 4,000 # sand. IP 132 BOPD.

(4-60) - Workover:

Converted to WIW. Cleaned Hole to TD and logged well. Ran 2-3/8"

tbg on pkr and injected under pkr.

(2-76) - P&A Well:

6/10/2008 RQU #22J.xls

DATE: Nov. 5, 2007 Caprock FIELD: BY: **GSA** LEASE/UNIT: Rock Queen WELL: 22L **COUNTY:** Chaves STATE: **New Mexico** Location: 1650' FSL & 990' FWL, Sec 22L, T13S, R31ECM KB = 4270'GL = SPUD: 6/55 COMP: 6/55 CURRENT STATUS: P&A Injector (02-76) API = 30-005-00818Original Well Name: State #7 10 sx cmt plug @ surface 30 sx cmt plug @ 95' - 197' 8-5/8" 24# @ 150' cmt'd. w/ 100 sx. TOC @ surface (calc). Shot and Pulled 5-1/2" csg @ 1027' 20 sx cmt plug spotted @ 977' - 1077' 10.1 #/gal Mud Note: Casing was shot @ 1417', 1303', 1206', 1105' & pipe not free. TOC @ 2200' (calc) 25 sx cmt plug spotted @ 2719' - 2829' Top of Queen @ 2858': Queen: 2857' - 2869' (6-55) 5-1/2" 14# @ 2881' cmt'd. w/ 100 sx (DNC) PBTD -TD - 2881' 6/10/2008 RQU #22L.xls

Rock Queen Unit #22L

(6-55) - Initial Completion:

Orig comp. Attempt thru perfs 2864' - 2869'. FLD 34B after frac w/ 10,000 gals oil and 7,500 # sand. Perfed 2857' - 2864'. Fraced w/ 20,000 gals

LSE oil and 20,000 # sand. IP 112 BOPD

(4-60) - Workover:

Converted to WIW. Ran logs, ran 2-3/8" tbg and pkr.

(2-76) - P&A Well:

6/10/2008 RQU #22L.xls

DATE: Nov. 5, 2007 FIELD: Caprock BY: **GSA Rock Queen WELL:** 22N LEASE/UNIT: **COUNTY:** Chaves STATE: New Mexico Location: 660' FSL & 1980' FWL, Sec 22N, T13S, R31ECM KB = 4433'GL = SPUD: 3/55 COMP: 3/55 API = 30-005-00817CURRENT STATUS: P&A Injector (02-76) Original Well Name: State #6 10 sx cmt plug @ surface 9.5 #/gal B Mud 30 sx cmt plug @ 128' - 230' 8-5/8" 24# @ 180' cmt'd. w/ 100 sx. TOC @ surface (calc). 9.5 #/gal B Mud Shot and Pulled 5-1/2" csg @ 1249' 20 sx cmt plug @ 1299' - 1199' 9.5 #/gal TOC @ 2347' (calc) B Mud 25 sx cmt plug @ 2784' - 3004' 5-1/2" 14# @ 3028' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3029': Queen Open Hole: 3028' - 3052' (3-55) PBTD - 3052' TD - 3052' 6/10/2008 RQU #22N.xls

Rock Queen Unit #22N

(3-55) - Initial Completion:

Orig comp in open hole section 3029' - 3052'. Sand fraced w/ 10,000 gals oil and 7,500 # sand . IP 379 BOPD

(3-60) - Workover:

Converted to WIW. Ran 2-3/8" tbg on pkr to inject into open hole

(2-76) - P&A Well:

6/10/2008 RQU #22N.xls

Dec. 21, 2007 DATE: Caprock BY: **GSA** FIELD: Rock Queen WELL: 27B LEASE/UNIT: **COUNTY:** Chaves STATE: New Mexico Location: 330' FNL & 1650' FEL, Sec 27B, T13S, R31ECM KB = 4422'GL = 4413'SPUD: 7/55 COMP: 7/55 API = 30-005-00885CURRENT STATUS: P&A Injector (02-76) Original Well Name: Malco Federal #3 10 sx cmt surface plug 9.5#/gal Br./gel 35 sx cmt plug set @ 257' - 357' 10-3/4" 32.30# @ 317' cmt'd w/ 140 sx. TOC @ surface (calc). 9.5#/gal Br./gel Shot and pulled 7" csg @ 632' Shot csg @ 694' but unable to pull. 35 sx cmt plug set @ 572' - 682' TOC @ 2294' (calc) 9.5#/gal Br./gel 50 sx cmt plug set @ 2818' - 3079' (TD) Top of Queen @ 3034': Queen: 3045' - 3050' (6 SPF) (10-55) 7" 17# & 25# @ 3079' cmt'd. w/ 100 sx (DNC) PBTD -TD - 3079'

6/10/2008

RQU #27B.xls

Rock Queen #27B

(7-55) - Initial Completion:

Orig comp thru perfs 3045' - 3050' w/ six bullets per foot. Sand fraced w/ 8,000 gal lease oil and 8,000 #/sand. IP 124 BOPD

(4-60) - Workover:

Converted to WIW. Injected into OH thru 2-3/8" tbg and pkr SA 3,000'

(2-76) - P&A Well:

6/10/2008 RQU #27B.xls

DATE: Dec. 26, 2007 FIELD: Caprock BY: **GSA** LEASE/UNIT: **Rock Queen** WELL: 27F **COUNTY:** Chaves STATE: New Mexico Location: 1650' FNL & 2310' FWL, Sec 27F, T13S, R31ECM KB = 4428'SPUD: 8/55 COMP: 8/55 GL = 4419'CURRENT STATUS: P&A Injector (03-76) API = 30-005-00892Original Well Name: Las Cruces #2 10 sx surface plug 9.5 #/gal Br/gel 8-5/8" 32# @ 296' cmt'd. w/ 200 sx. TOC @ surface (calc). 30 sx cmt plug @ 234' - 336' 9.5 #/gal Br/gel Shot and pulled 5-1/2" csg from 1368' 20 sx cmt plug @ 1318' - 1418' TOC @ 1666' (calc) 9.5 #/gal Br/gel mud 25 sx plug @ 2593' - 2838' when 1st plug would not hold the mud column. 25 sx cmt plug @ 2836' - 3045' (TD) 5-1/2" 14# @ 3028' cmt'd. w/ 200 sx (DNC) Top of Queen @ 3020': Queen Open Hole: 3028' - 3045' PBTD - 3045' TD - 3045 6/10/2008 RQU #27F.xls Well History: Rock Queen Unit #27F

(8-55) - Initial Completion: Open hole DST 3020' - 3045'. TSTD @ the rate of 2,960 MCF/D. SI press

800 PST. BHP bombs showed 810 PST initial and final few and 900 PST (20 min SI) SIBHP. Ran and cmtd 5-1/2" csg @ 3027.5'. Comp in open hole section 3028' - 3045'. Sand fraced w/ 3,000 gals LSE oil and 3,000 # sand. IP 55 BOPD. Placed on production at top allowable @ 39 BOPD.

(3-60) - Workover: Converted to WIW. Cleaned out hole and ran logs to check csg seat.

Ran 2-3/8" tbg and pkr set @ 2995' +-.

(3-76) - P&A: By Great Western Drilling Co.

6/10/2008

DATE: Dec. 26, 2007 Caprock FIELD: BY: **GSA** LEASE/UNIT: Rock Queen WELL: 27H **COUNTY:** Chaves STATE: New Mexico Location: 1980' FNL & 330' FEL, Sec 27H, T13S, R31ECM KB = 4411' GL = SPUD: 5/55 COMP: 5/55 API = 30-005-00884CURRENT STATUS: P&A Injector (03-76) Original Well Name: Malco Federal #2 10 sx surface plug 8-5/8" 32# @ 306' cmt'd. w/ 140 sx. TOC @ surface (calc). 30 sx cmt plug @ 246' - 348' Shot and pulled 5-1/2" csg from 1261'. Also shot csg @ 1303' and pipe not free. 20 sx cmt plug @ 1211' - 1311' TOC @ 2364' (circ) BTM plug rquired 8-25 sx plug setting attempts to obtain plug from 2995' to 2692'. Left 12 jts H-40 2-3/8" tbg in hole during cementing. Spotted 4 BBLS SN at T.D. to obtain plug. 5-1/2" 15.5&17# @ 3045' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3019': Queen: 3024' - 3028' (6 SPF) (5-55) PBTD - 3046' TD - 3046'

6/10/2008

RQU #27H.xls

Well History: Rock Queen Unit #27H

Perf 3024' - 3028' w/ 6 SPF for orig comp. Sand fraced perfs w/ 8,000 gals LSE oil and 4,000~# sand. IP 638 BOPD (5-55) - Initial Completion:

Converted to WIW. Ran 2-3/8" IPC tbg on pkr to 3,000'. (8-60) - Workover:

By Great Western Drilling Co. (3-76) - P&A Well:

6/10/2008

FIELD:

LEASE/UNIT:

Caprock **Rock Queen** 

**COUNTY:** Chaves DATE:

Dec. 26, 2007

**New Mexico** 

BY:

**GSA** WELL: 27J

STATE:

Location: 1980' FSL & 1980' FEL, Sec 27J, T13S, R31ECM

SPUD: 11/55 COMP: 11/55

CURRENT STATUS: P&A Injector (08-80)

KB = 4417'

GL =

API = 30-005-00889

Original Well Name: Federal Hinkle #3

8-5/8" 24# @ 292' cmt'd. w/ 200 sx. TOC @ surface (calc).

14' of open hole

Shot and pulled 5-1/2" csg from 306'. Pumped in 75 sx cmt. Tagged top plug @ 90'. Press up to 1700 psi. Ran 2-3/8" tbg to 90' and spotted 10 sx cmt to surface.

TOC @ 2339' (calc)

Spotted 25 sx cmt plug @ 2970'. Tagged cmt @ 2715'

5-1/2" 14# @ 3020" cmt'd. w/ 100 sx (DNC) Top of Queen @ 3023':

**Queen Open Hole:** 3020' - 3028' (11-55)

PBTD - 3028' TD - 3028'

Rock Queen Unit #27J

(11-55) - Initial Completion:

Orig comp in open hole section 3023' - 3028'. IP 332 BOPD. 8,000 gals LSE oil and 4,000 # sand. IP 638 BOPD

(12-60) - Workover:

Converted to WIW. Cleaned out hole, ran 2-3/8" IPC tbg on pkr. Set @

2994'.

(8-80) - P&A Well:

By Great Western Drilling Co.

FIELD:

Caprock Rock Queen

LEASE/UNIT: **COUNTY:** 

Chaves

DATE:

Dec. 28, 2007

BY:

**GSA** 36

WELL: **STATE:** New Mexico

Location: 660' FNL & 1980' FEL, Sec 26B, T13S, R31ECM

SPUD: 8/55 COMP: 8/55

CURRENT STATUS: P&A Injector (01-76)

Original Well Name: Chaves State "BM" #1

KB = 4413'

GL =

API = 30-005-00870

10 sx cmt surface plug

7-5/8" 26.4# @ 305" cmt'd w/ 250 sx (circ 40 sx)

15 sx cmt plug at top of salt @ 1326' - 1520'

50 sx cmt plug @ 2516' - 2956'

4-1/2" 9.5# @ 3050' cmt'd. w/ 1075 sx (circ 225 sx)

Top of Queen @ 3050':

Queen Open Hole: 3050' - 3070' (8-55)

PBTD - 3070' TD - 3070'

6/11/2008

**RQU #36.xls** 

Rock Queen #36

(8-55) - Initial Completion:

Orig comp in open hole 3050' - 3070'. Fraced OH w/ 8,000 gal LSE crude and 8,000 # sand. IP 168 BOPD.

(1-61) - Workover:

Converted to water injection. Cleaned out hole to TD. Ran 2-3/8" IPC tbg

and pkr set @ 2995'.

(01-76) - P&A Well;

P&A by Great Western Drilling Co. No Pipe recovered. No reports of

attempted cuts.

6/11/2008 **RQU #36.xls** 

FIELD:

Caprock

DATE:

Dec. 28, 2007

LEASE/UNIT:

Rock Queen

BY: WELL:

GSA 38

**COUNTY:** 

Chaves

STATE:

E: New Mexico

Location: 660' FNL & 660' FWL, Sec 26D, T13S, R31ECM

GL =

SPUD: 3/55 COMP: 3/55

CURRENT STATUS: P&A Injector (11-00)

OL -

KB = 4425'

API = 30-005-00880

Original Well Name: State #8

25# gelled brine water

> 25# gelled brine water

25# gelled brine water 10 sx cmt surface plug from 50' to surface

8-5/8" 24# @ 260' cmt'd w/ 100 sx. TOC @ surface (calc).

Perf 4 shot @ 310'. Squeezed cmt perfs w/ 75 sx class "C" cmt. Tag TOC @ 200'.

Perf 4 shot @ 1450'. Squeezed cmt perfs w/ 75 sx class "C" cmt. Tag TOC @ 1380'.

TOC @ 2353' (calc)

CIBP @ 2950' w/ 25 sx cmt cap. Tag TOC @ 2720'.

5-1/2" 14# @ 3034' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3034':

Queen Open Hole: 3034' - 3051' (3-55)

PBTD - 3051' TD - 3051'

6/11/2008

**RQU #38.xls** 

Rock Queen #38

(3-55) - Initial Completion:

Orig comp in open hole 3034' - 3051'. Fraced OH w/ 10,000 gal LSE crude and 7,500 # sand. IP 251 BOPD.

(1-61) - Workover:

Converted to water injection. Ran 2-3/8" tbg w/ Baker Model 'A' Tension Packer. Set pkr @ 2982'. Had 31.54' tail pipe below pkr. EOT @ 3014'

(11-00) - P&A Well;

6/11/2008 RQU #38.xls

DATE: Aug. 07, 2007 FIELD: Caprock BY: **GSA** Rock Queen WELL: 54 LEASE/UNIT: **COUNTY:** Chaves STATE: New Mexico Location: 660' FNL & 660' FWL, Sec 25D, T13S, R31ECM KB = 4403'GL = SPUD: 9/55 COMP: 9/55 API = 30-005-00863CURRENT STATUS: T.A. Injector Original Well Name: Government #1-337 9-5/8" 32# J-55 @ 369' cmt'd. w/ 250 sx (circ) Bad casing and lost circulation from 1500' to 1838' Due to bad casing and lost circulation, the plan is to P&A this well and redrill this injector location. TOC @ 1872' (calc) 7" 20# J-55 @ 3049' cmt'd. w/ 150 sx (DNC) Top of Queen @ 3040': **Queen Open Hole:** 3049' - 3057' (10-55) PBTD - 3057' TD - 3057'

1/16/2008 RQU #54

Well History: Rock Queen Unit #54

Orig comp in open hole 3049' - 3057' (9-55) - Initial Completion:

Pulled well and cleaned out hole to TD. Reran 2-3/8" Tbg. And Pkr. (8-18-61) - Convert to Injection:

Set Pkr @ 3013'. Converted well to water injection.

(6-25-85) - Workover: Pulled and laid down 50 JTS 2-3/8" Tbg.

Reset Howco R-4 Pkr A 1401' +- (45 JTS 2-3/8" Tbg). Tubing was pulled because 7" casing would not hold pressure above pkr set at 2989'. Will hold pressure with pkr @ 1401'.

(7-13-07) - Workover: Replaced wellhead. Was able to CO well to only 1838' due to bad

casing and lost circulation. RDMO WSU. Plan is to P&A this well

and redrill this injector location.

1/16/2008 **RQU #54** 

FIELD:

Caprock

DATE:

BY:

Nov. 25, 2008

LEASE/UNIT:

Rock Queen Chaves

WELL:

56 STATE: New Mexico

**COUNTY:** 

KB = 4384'

SPUD: 12/55 COMP: 12/55

Location: 1980' FNL & 1980' FWL, Sec 25F, T13S, R31ECM

GL =

CURRENT STATUS: P&A Injector (11-08)

API = 30-005-00856

**GSA** 

Original Well Name: W. M. Tulk #6

Spotted 10 sx cmt surface plug.

8-5/8" 24# @ 279"

emt'd. w/ 175 sx (circ 25 sx)

Perf 4 shots @ 380'. Squeezed cmt perfs w/ 100 sx Class C cmt (circ to surface).

Perf 4 shots @ 1530'. Squeezed cmt perfs w/ 60 sx Class C cmt. Tag TOC @ 1400'.

Perf shots @ 2300'. Squeezed cmt perfs w/ 60 sx Class C cmt. Tag TOC @ 2200'.

TOC @ 2658' (calc)

Pumped 100 sx Class C cmt under packer @ 2600'. Spotted 40 sx of 50# sand @ 2763'. Spotted 12 sx Class C cmt @ 2732'. Tagged TOC @ 2650'.

Collapsed 4-1/2" csg @2799'

Baker AD-1 packer stuck @ 2800' +-

4-1/2" 9.5# @ 3047'

cmt'd. w/ 75 sx (DNC)

Top of Queen @ 3048:

Queen Open Hole: 3048' - 3067' (12-55)

PBTD - 3067' TD - 3067'

Rock Queen Unit #56

(12-55) - Initial Completion:

Orig comp in open hole 3048' - 3067'. Frac'd open hole w/ 8000 gals LSE crude and 8000 # sand @ 9 BPM injection rate. IP 125 BOPD

(10-61) Convert to Water Injection:

Cleaned hole to TD. Ran 2-3/8 tbg w/ pkr to 3005'. Converted to Water Injector.

(11-08) P&A Water Injection Well:

12/17/2008 **RQU #56.xls** 

FIELD: LEASE/UNIT:

**COUNTY:** 

Caprock

**Rock Oueen** Chaves

DATE:

Dec. 16, 2008

BY: WELL:

**GSA** 58

STATE: **New Mexico** 

Location: 1980' FNL & 660' FEL, Sec 25H, T13S, R31ECM

SPUD: 1/56 COMP: 1/56

CURRENT STATUS: P&A'd Injector (12-08)

KB = 4392'GL =

API = 30-005-00858

Original Well Name: W. M. Tulk #8

Filled casing with 10 sx cement plug at the surface. Spotted 100 sx cement plug from 350' to surface.

8-5/8" 24# @ 297'

cmt'd. w/ 175 sx (circ 30 sx)

Top of 4 1/2" casing @ 235' +/-. 6 joints +/- of 4 1/2" casing was fished at the beginning of the plugging operation.

Perforated holes @ 1530' and pumped 50 sx cement (TOC @ 772').

Perforated holes @ 2300' and pumped 60 sx and then 120 sx cement (TOC @ 2190').

TOC @ 2670' (calc)

Spotted 60 sx cmt plug @ 2950'. Tagged TOC @ 2913'.

4-1/2" 9.5# @ 3058' cmt'd. w/ 75 sx (DNC) Top of Queen @ 3058':

**Queen Open Hole:** 3058' - 3076' (1-56)

PBTD - 3076' TD - 3076'

Well History: Rock Queen Unit #58

(01-56) - Initial Completion: Original comp in open hole 3058'-3076'. Frace'd form from 3058'-3076'

w/ 2400 gals LSE crude and 2400 # sand. IP 151 BPOD

(1-62) - Convert to Injector: Cleaned hole to TD. Ran 2-3/8 tbg and packer. Set pkr a 2911'.

Converted well to water injection.

(7-85) - TA Well: Pulled & laid down 98 jts (2968') 2-3/8 tbg, 4-1/2 baker AD-1 pkr

and 29.43' mud anchor. Could not obstain pressure test on 4-1/2"

csg. Also found hole in 8-5/8 csg at surface

(11-85) - Dasing Inspection Log: Ran csg inspection log. Found poss. hole in 4-1/2 csg at 100'+- and probable holes at 276', 287', 2973', and 3016'. 4-1/2 csg out of round @ 740', 1430', 1670',

2730'.

(12-08) - P&A Well:

12/17/2008 RQU #58.xls

DATE: Oct. 22, 2008 FIELD: Caprock BY: **JEA** Rock Queen WELL: 60 LEASE/UNIT: Chaves STATE: New Mexico **COUNTY:** Location: 1980' FSL & 1980' FEL, Sec 25J, T13S, R31ECM KB = 4376'GL = 4367'SPUD: 06/55 COMP: 06/55 CURRENT STATUS: P&A'd Injector (09-08) API = 30-005-00853Original Well Name: W. M. Tulk #3-J 10 sx cement plug to surface 7-5/8" 26.4# J-55 @ 299' emt'd. w/ 250 sx (circ 30 sx) Perforated holes @ 350' and pumped 100 sx cement and circ cmt up 4 1/2" x 7 5/8" casing annulus to surface. Bad casing from 600' - 900' and 2650' - 2790' Perforated holes @ 1530' and pumped 75 sx cement (TOC @ 1377') Perforated holes @ 2300' and pumped 100 sx cement (TOC @ 2200') TOC @ 2393' (calc) CIBP @ 2982' w/ 35 sx cement cap (TOC@ 2580') 4 1/2" 9.5# J-55 @ 3034' emt'd. w/ 75 sx (DNC) Top of Queen @ 3034': **Queen Open Hole:** 3034' - 3055' (06-55) PBTD - 3055' TD - 3055'

12/17/2008

RQU #60.xls

- Well History: Rock Queen Unit #60
- (06-55) Initial Completion: Orig comp in open hole 3034' 3055'. Treated open hole w/ 4000 gal lease crude and 4000# sand. IP 150 BOPD.
- (01-62) Convert to Injection: CO to 3055'. Ran 2 3/8" injection tubing and packer, and set packer at 3005'. Converted well to water injection.
- (06-85) Workover: Tested casing annulus and would not pressure test. Pulled 2 3/8" injection tubing and packer. Shut well in.
- (08-07) Workover: Pulled 2 3/8" IPC injection tubing and packer. CO well to 2985' through several tight spots and lost circulation. Replaced wellhead. Isolated casing leaks from 800' +/- to 900' +/-. Ran casing inspection log that showed bad casing from 600' 900' and 2650' 2790'. RDMO WSU.
- (09-08) P&A Well:

  CO well to 2982'. Ran freepoint on 4 1/2" production casing and casing free at 386'. Ran and set CIBP @ 2982' and spotted 35 sx cement plug on top of CIBP. Tagged TOC @ 2580'. Loaded wellbore w/ plugging mud. Perforated 4 holes @ 2300'. Ran and set packer @ 2022'. Pumped 100 sx Class C cement w/ additives. TOOH w/ workstring and packer. Tagged TOC @ 2200'. Perforated holes @ 1530'. Ran and set packer @ 1212'. Pumped 75 sx Class C cement w/ additives. Tagged TOC @ 1377'. TOOH w/ workstring and packer. Perforated holes @ 350'. Ran workstring and pumped 100 sx Class C cement w/ additives and circulated cement up 4 1/2" x 7 5/8" annulus to the surface. TOOH w/ workstring. Ran hose and filled 4 1/2" casing to surface w/ 10 sx cement. Cut off wellhead and installed surface marker.

12/17/2008 RQU #60.xls

Mar. 02, 2009 DATE: BY: **GSA** Caprock FIELD: WELL: 76 LEASE/UNIT: Rock Queen New Mexico **COUNTY:** Lea STATE: KB = Location: 1980' FSL & 1980' FEL, Sec 30J, T13S, R32ECM GL = SPUD: 8/57 COMP: 8/57 API = 30-025-00300CURRENT STATUS: P&A'd Injector (02-09) Original Well Name: Carper Superior B #1 10 sx cement plug to surface 7-5/8" 101.74' 26.4#, 8-5/8" 126.35' 24# @ 247' cmt'd. w/ 150 sx (circ) Perforated 4 holes @ 300' and pumped 59 sx cement. Pumped 50 sx cmt down 4 1/2" x 7 5/8" casing annulus. 9.8# salt mud Perforated 4 holes @ 1512' and pumped 60 sx cement (TOC @ 1302') 9.8# salt mud TOC @ 2180' (CBL) Perforated 4 holes @ 2300' and could not break down perfs. Spotted 30 sx cement plug @ 2555'. Tagged TOC @ 2284' and spotted an additional 10 sx cement @ 2284'. Pumped 450 sx Class C cmt w/ additives in three attempts under a packer set @ 2555' +/-. Tagged TOC @ 2555'. Junk packer @ 2840' +/- and bad casing @ 2774' +/-Top of Queen @?': Queen: 3061' - 3069' (8-57) 4-1/2" 11.6# @ 3089" cmt'd. w/ 150 sx (DNC) PBTD -TD - 3090'

3/12/2009

RQU #76.xls

Well History: Rock Queen Unit #76

(8-57) - Initial Completion: Orig comp thru perfs 3061' - 3069'. Treated perfs w/ 10,000 gals control

frac and 10,000 # sand, 250 bbls flush oil. IP 81 BOPD.

(1-64) - Converted to Injector: Converted well to water injection. Cleaned out hole to 3090'. Ran 2-3/8"

tbg and packer. Set pkr @ 2997'.

(11-85) - Workover: Pulled 2-3/8" tbg and packer to repair tbg leaks and test casing. Pick up

and ran new string 2-3/8" tbg and R-4 pkr to 2901'. Casing would not test. Obtained casing test to 300 psi w/ packer set @ 2531'. Tubing tested

to 3,000 psi.

(02-09) - Workover/ P&A: POOH w/ 2 3/8" IPC injection tubing and injection packer. RIH w/ 3 7/8"

bit on 2 3/8" workstring and tagged @ 2555'. CO well to 2573'. Attempted to fish old packer in wellbore, pushed fish down to 2840', but was unsuccessful in recovering the fish. Ran casing inspection log from 2774' to surface. Obtained permission from NMOCD to P&A well.

Mixed and pumped 450 sx Class C cement w/ additives in three attempts under a packer set @ 2555' +/-. Tagged TOC @ 2555'. Ran CBL and stuck pipe log, TOC @ 2180', stuck pipe @ 670' - 745' and 1050' to 1170'. Perforated 4 shots @ 2300'. Was unable to break down perfs so spotted 30 sx Class C cement plug @ 2555'. Loaded hole w/ 9.8# salt gel mud. Spotted 10 sx Class C cement plug @ 2284'. Perforated 4 1/2" casing with 4 shots @ 300' and 1512'. Squeezed perfs @ 1512' w/ 60 sx Class C cement w/ additives. Tagged TOC @ 1302'. Squeezed perfs @ 300' w/ 59 sx Class C cement w/ additives. Pumped 50 sx of cement down 4 1/2" x 7 5/8" casing annulus. Tagged TOC in 4 1/2" casing and spotted 10 sx cement plug in casing to surface. Welded cap on casing.

3/12/2009 RQU #76.xls

DATE: Feb. 05, 2009 Caprock BY: **JEA** FIELD: LEASE/UNIT: **Rock Queen** WELL: 14 STATE: New Mexico **COUNTY:** Lea Location: 660' FSL & 1770' FWL, Sec 30N, T13S, R32ECM KB = GL = 4272'SPUD: 7/57 COMP: 7/57 API = 30-025-00299CURRENT STATUS: P&A'd Injector (01/09) Original Well Name: Carper Superior A #2 Spotted 8 sx cmt from 20' to surface. 7-5/8" 26.4# @ 282" emt'd. w/ 200 sx (circ) Spotted 150 sx Class C cmt from top of 2 3/8" workstring @ 360' to 20'. Spotted 350 sx Class C cmt @ 586'. Stuck 2 3/8" workstring. Workstring is 4 1/2" casing stub @ 532' +/-. from 360' - 586'. Probable window @ 700' +/- that fish worked out of 4 1/2" casing. Fish consists of bit, six 3 1/8" drill collars, and 2 3/8" tubing stub. TOC @ 2571' (calc) HOWCO R-4 Packer left in hole @ 2911' w/ 30' 2-3/8" tail pipe - Larkin packer w/ tailpipe below the R-4 packer Top of Queen @ 3057': Queen: 3057' - 3068' (7-57) 4-1/2" 9.5# @ 3089" cmt'd. w/ 100 sx (DNC) PBTD -TD - 3089'

**Rock Queen Unit #14** 

(7-57) - Initial Completion:

Orig comp thru perfs 3057' - 3068'. IP 60 BOPD.

(2-64) - Converted to Injector:

Converted to water injection. Cleaned hole to TD. Ran 2-3/8" IPC tbg

and packer. Set pkr @ 2990'.

(7-85) - Workover:

Pulled and laid down 2911' 2-3/8" tbg (94 jts) BO @ saftey collar on top pkr. Left pkr and 30' 2-3/8" tail pipe in hole. Well was pulled because casing would not pressure up for test. FOUND HOLES IN 4-1/2" CSG AND 7-5/8" CSG ABOVE 189'. Closed well in.

(09-08) - Workover:

Refer to attached workover summary for unsuccessful reactivation

workover attempt.

Spotted 350 sx Class C cmt w/ 2% CaCl @ 586'. Stuck 2 3/8" workstring in (01-09) - P&A Well: cement in the wellbore @ 586'. Ran 1 7/8" bit on 1" CS Hydril N-80 workstring and DO cement from surface to 460'. Backed off 2 3/8" workstring @ 360'. Spotted 150 sx Class C cement w/ 2% CaCl in open hole @ 360'. Tagged cement @ 20'. Spotted 8 sx of Class C cement from 20' to surface. P&A'd well.

#### Celero Energy

Rock Queen Unit #14--Workover operations summary.

- 9/27/08: RU on 9/22 to return well to injection. Ran 2-3/8" tubing and tag at 1777'--red bed on tools. POOH and found 4-1/2" casing parted. Pulled 20' piece of casing. Work tools(bits/mills) to 162' in 4-1/2" casing. Could not get packer to set in casing. (\$72,765)
- 10/6/08: Attempt to pull 4-1/2" casing at 246'--backed off at 267'. POOH with 110' of casing. RIH and attempt to screw into casing with 5 jts, plus 15' of new casing---failed. Work tools(bits/mills) casing stub at 258'. (\$120,965)
- 10/13/08: Ran new casing. Bits/mills clean out to maximum depth of 814' in 4-1/2" casing. On next bit trip, lost bit, 6-3-1/8" DC's--got stuck outside 4-1/2" casing at 700'. (\$162,690)
- 10/20/08: Tubing stuck at 474', cut at 428'. Attempt to fish lost BHA--got fishing tools as deep as 664' w/o catching fish. Keep missing fish--ran to 666' on last trip. Pulled new casing and attempt to washover old 4-1/2" w/6" washpipe. Ran 6" WP to 327'(top of 4-1/2" stub at 258'). Wash down to 740' with 3-3/4" bit---probably outside old 4-1/2" casing. (\$215090)
- 10/22/08; POOH, LD equipment and shut down to evaluate. (\$224,299)
- 12/22/08: RU 12/15/08. Ran 6" WP and tag 4-1/2"casing stub at 258'--ran to 288'. Got over stub, ran camera-holes in 4-1/2" at 312' and below. Ran to 339'. Lower WP to 454' and WP hung. Ran camera and found stub at 271'---stub had moved down hole. Casing parted/offset at 454'. Ran 2-3/8" tubing to 463'--work to 513', PU to 467' and ran camera. Camera outside 4-1/2" casing. Ran spear and tag at 271'. Pulled 182' of old 4-1/2" casing---estimated new stub at 453' Ran tubing to 458' and ran camera-camera outside 4-1/2" casing. (\$321,340)
- 12/29/08; Attempt to get 6" WP over 4-1/2" casing stub at 453'. Ran camera to 513'--camera still outside 4-1/2". Attempt to get in 4-1/2" casing stub w/ bent sub on tubing and failed. Run 'fish-finder'---find 4-1/2" casing stub at 443'. Ran 6" WP--failed to get over stub. Re-run bent sub on tubing and failed to get in stub. Ran camera and could not see the casing stub. (\$400,140)
- 1/5/09: Build spoon on end of 6" WP and RIH. Failed to hook stub. Ran bit to clean up sloughing red beds. RIH with new spoon built for 6" WP--failed to hook casing stub. (\$428,790)
- 1/12/09: Ran cut lip guide on 6" WP to 500'. RIH with 3-3/4" mill and tag at 458'---work mill to 569'. Lower 6"WP to 584'. Ran 4-7/8" bit to 485' and tag--bit plugged, POOH. Ran 3-3/4" mill to 435' and work to 711'--POOH. Ran 2-3/8" tubing to 518' and wash down to 565'. Run camera to 559'---6" WP WAS NOT over 4-1/2" casing stub, had washed along the side of 4-1/2" casing. POOH w/6" WP, RIH with 5-3/4" overshot to try to catch 4-1/2" casing---tagged at 440' and washed to 543'--did not catch casing. Ran O-S to catch first fish consisting of bit, 6-DC's, and tubing sub--failed to catch. Ran 'fish-finder'---top of fish now at 523'-524'. (\$507,629)
- 1/19/09: RIH with 6" WP and shoe to 574'(tagged at 536--worked to 560'). POOH--shoe did not show any wear. Ran 6" WP and cut-lip guide--tag at 414', wash to 420', attempt to wash to 523--got to 453'. POOH w/WP. RIH with 6-1/4" bit and DC's---tag at 405' and work to 456'. RIH with 6" WP and OS to grab 2-3/8" tubing stub on first fish---tagged at 390' and washed to 443'. Hole filling up with red beds. Run 6-3/4" bit, tag at 413' and clean out to 523'. Ran 6" WP, tag at 414' and work to 449', wash and ream to 477', cleaned out to 523'. (\$571,560)
- 1/22/09: Mix 60 vis salt mud. RIH with 6-3/4" bit, tag at 374', wash and ream 374'-523'(top of fish). RIH with 6-1/2" cut-lip guide on 6" WP, tag at 376', work to 516', wash over casing at 523' and lower to 533'. RIH with 4-3/4" bit, tag casing at 523'. RIH with 3-3/4" concave mill to 529'. RIH with O-E tubing and tag at 532'. Lower 6" WP to 535'---would not go deeper. PU to 533'. Run camera---found top of 4-1/2" casing at 532'--6" WP partially over casing stub. RIH with 3-3/8" bit, 6-DC's, on tubing--clean out red-beds from 532' to 610'(string torquing). POOH then RIH with O-E tubing to 550', ran camera--could not tell if tubing was inside of 4-1/2" casing. Pull tubing to 530' and run camera---6"WP is landed ON TOP OF 4-1/2' casing stub but is off-center. Fish is continuing to move down hole and casing is split below stub. (\$639,674)

DATE: Dec. 28, 2007 **GSA** Caprock BY: FIELD: WELL: **31DN Rock Queen** LEASE/UNIT: **COUNTY:** Lea STATE: **New Mexico** KB = 4385'Location: 330' FNL & 330' FWL, Sec 31D, T13S, R32ECM SPUD: 3/56 COMP: 3/56 GL = 4378'API = 30-025-00314CURRENT STATUS: P&A Injector (12-84) Original Well Name: State "X" #1 10 sx cmt surface plug 60 sx cmt plug in/out 8-5/8" surface csg 245' - 368' 8-5/8" 24# @ 307' cmt'd w/ 200 sx (circ) 25# gelled brine water Shot and pulled 5-1/2" csg @ 1063' 25 sx cmt plug spotted across 5-1/2" csg stub 996' - 1113' Shot 5 1/2" casing @ 1406' but could not pull TOC @ 2386' (calc) 25# gelled brine water 165 sx cmt required to obtain plug TD - 2403' 5-1/2" 14# @ 3067' emt'd. w/ 100 sx (DNC) Top of Queen @ 3067': Queen Open Hole: 3067' - 3071' (3-55) PBTD - 3071' TD - 3071'

Rock Queen #31DN

(3-56) - Initial Completion:

Orig comp in open hole section 3067' - 3071'. Drld out csg shoe w/ cable tools. Sand fraced 3067' - 3071' w/ 3,750 gals LSE oil and 7,500 # sand. IP 63 BOPD.

(1-63) - Workover:

Converted to WIW. Cleaned out hole to TD. Ran 2-3/8" IPC tbg on pkr.

Set pkr @ 2997'.

(12-84) - P&A Well;

P&A by great Western Drilling Co.

1/22/2008 RQU #31DN

DATE: Dec. 28, 2007 Caprock BY: **GSA** FIELD: Rock Queen **WELL: 31DS** LEASE/UNIT: **COUNTY:** Lea STATE: **New Mexico** Location: 660' FNL & 660' FWL, Sec 31D, T13S, R32ECM KB = 4381'GL = 4372'SPUD: 2/55 COMP: 2/55 API = 30-025-00313CURRENT STATUS: P&A (3-55) Original Well Name: Cleveland State #1 10 sx cmt surface plug 13-3/8" 48# @ 276' cmt'd w/ 200 sx (circ) Open hole 15 sx cmt plug spotted in open hole @ 1400' Shot and pulled 5-1/2" csg from 2400' 25 sx cmt plug on bottom 5-1/2" 14# @ 3065' cmt'd. w/ 150 sx (DNC) Top of Queen @?: Queen Open Hole: 3065' - 3072' PBTD - 3072' TD - 3072'

Rock Queen #31DS

(2-55) - Initial Completion:

Drld to 3072' w/ cable tools. Encountered 3 bbls fluid/hr, 95% SW. Ran E log and tested 5 days and could not exhaust water bailing.

(3-55) - P&A Well:

1/22/2008 RQU#31DS

DATE: Dec. 28, 2007 FIELD: Caprock BY: **GSA** LEASE/UNIT: Rock Queen WELL: 36H **COUNTY:** Chaves **STATE: New Mexico** Location: 1980' FNL & 660' FEL, Sec 36H, T13S, R31ECM KB = 4.393'SPUD: 1/56 COMP: 1/56 GL = 4,384'CURRENT STATUS: P&A Injector (01-83) API = 30-005-00944Original Well Name: State "U" #15 10 sx cmt surface plug 12 1/4" 50 sx cmt plug in/out 8-5/8" surface csg 282' - 353' 8-5/8" 24# @ 303' cmt'd w/ 200 sx. TOC @ surface (calc). 25# gelled brine water Shot and pulled 5-1/2" csg @ 980' 35 sx cmt plug spotted across 5-1/2" csg stub 874' - 1030' TOC @ 2380' (calc) 25# gelled 7 7/8" brine water 25 sx cmt plug @ 3,059'. Tagged TOC @ 2,878'. 5-1/2" 14# @ 3061' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3061': **Queen Open Hole:** 3061' - 3067' (1-56) PBTD - 3067' TD - 3067' 6/11/2008 RQU #36H.xls

Rock Queen #36H

(01-56) - Initial Completion:

Orig comp in open hole section 3061' - 3067'. IP 70 BOPD.

(1-63) - Workover:

Converted to WIW. Cleaned out hole to TD. Ran 2-3/8" IPC tbg on pkr.

Set pkr @ 2999'.

(01-83) - P&A Well;

P&A by Great Western Drilling Co.

6/11/2008

RQU #36H.xls

DATE: Dec. 28, 2007 FIELD: Caprock BY: **GSA** LEASE/UNIT: **Rock Queen** WELL: 36J **COUNTY:** Chaves STATE: **New Mexico** Location: 1980' FSL & 1980' FEL, Sec 36J, T13S, R31ECM KB = 4,393'SPUD: 12/55 COMP: 1/56 GL = 4,384'CURRENT STATUS: P&A Injector (01-83) API = 30-005-00940Original Well Name: State "U" #11 20 sx cmt surface plug 12 1/4" 50 sx cmt plug in/out 8-5/8" surface csg 196' - 347' 8-5/8" 24# @ 305' cmt'd w/ 200 sx (circ) 25# gelled brine water Shot and pulled 5-1/2" csg @ 1201' 35 sx cmt plug spotted across 5-1/2" csg stub 1072' - 1262' TOC @ 2385' (calc) 25# gelled 7 7/8" brine water 25 sx cmt plug @ 3,065'. Tagged TOC @ 2,910'. 5-1/2" 14# @ 3066' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3066': Queen Open Hole: 3066' - 3071' (1-56) PBTD - 3071' TD - 3071'

1/21/2008 RQU #36J

Rock Queen #36J

(01-56) - Initial Completion:

Orig comp in open hole section 3066' - 3071', natural. Drilled out of 5 1/2" casing w/ cable tools. IP 182 BOPD.

(3-64) - Workover:

Converted to WIW. Cleaned out hole to TD. Ran 2-3/8" IPC tbg on pkr.

Set pkr @ 2986'.

(01-83) - P&A Well;

P&A by Great Western Drilling Co.

1/21/2008 **RQU #36J** 

DATE: Dec. 31, 2007 FIELD: Caprock BY: **GSA** North Central Caprock Queen Unit WELL: 15-9 LEASE/UNIT: Chaves STATE: New Mexico **COUNTY:** Location: 1980' FSL & 660' FEL, Sec 15I, T13S, R31ECM KB = GL = 4421'SPUD: 6/55 COMP: 6/55 CURRENT STATUS: P&A (04-65) API = 30-005-00801Original Well Name: Federal "A" #2 10 sx plug at surface 25 sx plug @ 300' 9-5/8" 32.3# @ 294' cmt'd. w/ 225 sx 25 sx smt plug @ 630' 7" csg shot and pulled @ 602' TOC @ 602' +/- (calc) 25 sx cmt plug @ 3035' 7" 20# @ 3010' cmt'd. w/ 500 sx (DNC) Top of Queen @?': **Queen Open Hole:** 3010' - 3038' (6-55) PBTD - 3038' TD - 3038'

6/11/2008

NCCQU #15-9.xls

Well History: NCCQU #15-9

(6-55) - Initial Completion: Natural open hole completion 3020' - 3038'. IP 408 BOPD.

(4-65) - P&A Well:

6/11/2008

FIELD:

Caprock

DATE: Jan. 22, 2008

BY:

**GSA** 

LEASE/UNIT:

Federal-Whaley

WELL:

5

**COUNTY:** 

Chaves

STATE:

New Mexico

Location: 660' FSL & 1980' FEL, Sec 15O, T13S, R31ECM

KB = 4,429'GL =

SPUD: 7/61 COMP: 7/61

CURRENT STATUS: P&A (2-66)

API = 30-005-00804

Original Well Name: Federal-Whaley #5

25 sx plug @ 109' - surface

9-5/8" 32.3# @ 302' cmt'd. w/ 200 sx (circ)

Heavy Mud

TOC @ 694' (calc)

25 sx plug @ 1391' - 1500'

Heavy Mud

25 sx cmt plug @ 2931' - 3040'

Top of Queen @ 3024':

Queen: 3028' - 3038' (4 SPF) (7-61)

7" 20# @ 3049'

cmt'd. w/ 300 sx (DNC)

PBTD - 3049' TD - 3049'

6/11/2008

Federal-Whaley #5.xls

Federal-Whaley #5

(7-61) - Initial Completion:

Orig comp through perfs 3028' - 3038'. Sand fraced through perfs 3028' - 3038' using 15,000 # sand in 208 bbls oil and flushed with 127 bbls oil.

(2-66) - P&A Well:

DATE: Jan. 2, 2008 Caprock BY: FIELD: **GSA** WELL: North Central Caprock Queen Unit 15-16 LEASE/UNIT: **COUNTY:** Chaves STATE: **New Mexico** KB = Location: 660' FSL & 660' FEL, Sec 15P, T13S, R31ECM SPUD: 2/55 COMP: 2/55 GL = 4425'API = 30-005-00800CURRENT STATUS: P&A (4-65) Original Well Name: Federal #1 10 sx plug at surface 25 sx plug @ 250' 8-5/8" 32.3# @ 1425' cmt'd. w/ 400 sx. TOC @ surface (calc). 25 sx cmt plug @ 3024' 7" 20# @ 3024' cmt'd. w/ 500 sx (DNC). TOC @ surface (calc). Top of Queen @ 3026': **Queen Open Hole:** 3026' - 3048' (2-55) PBTD - 3048' TD - 3048'

6/11/2008

NCCQU #15-16.xls

NCCQU #15-16

(6-55) - Initial Completion:

Open hole completion 3020' - 3038'. Fraced w/ 5,000 gal sanfrac oil and 5,000 # sand. IP 150 BOPD.

(12-60) - Convert to Injection:

Clean out well to 3046'. Ran 2-3/8" injection tbg and pkr. Set pkr @ 2994' Put well on water injection.

(4-65) - P&A Well:

DATE: Jan. 7, 2008 BY: **GSA** Caprock FIELD: North Central Caprock Queen Unit WELL: 14-9 LEASE/UNIT: STATE: New Mexico **COUNTY:** Chaves Location: 1980' FSL & 660' FEL, Sec 14I, T13S, R31ECM KB = SPUD: 3/56 COMP: 3/56 GL = 4413'API = 30-005-00788CURRENT STATUS: P&A (5-70) Original Well Name: Chaves State "BM" E #1 10 sx plug at surface 11" 8-5/8" 24# @ 264' cmt'd. w/ 175 sx (circ) 25 sx plug @ 264' 7-7/8" Shot and pulled 4-1/2" csg @ 1210' 25 sx plug @ 1210' TOC @ 2660' (calc) 25 sx cmt plug @ 3049' 4-1/2" 9.5# @ 3049' cmt'd. w/ 75 sx (DNC) Top of Queen @ 3049': Queen Open Hole: 3049' - 3065' (3-56) PBTD - 3065' TD - 3065' 6/11/2008 NCCQU #14-9.xls

NCCQU #14-9

(3-56) - Initial Completion:

Orig comp open hole 3049' - 3065', fraced w/ 8,000 gal LSE oil and 8,000 # sand @ 11.9 BPM. IP 54 BOPD.

(4-65) - Convert to Injection:

Cleaned out well. Ran 2-3/8" injection tbg and packer. Set pkr @ 2910'.

Put well on water injection.

(5-70) - P&A Well:

DATE: Jan. 7, 2008 Caprock BY: **GSA** FIELD: North Central Caprock Queen Unit WELL: 14-10 LEASE/UNIT: STATE: **New Mexico COUNTY:** Chaves Location: 1980' FSL & 1980' FEL, Sec 14J, T13S, R31ECM KB = GL = 4419'SPUD: 3/55 COMP: 3/55 API = 30-005-00794 CURRENT STATUS: P&A (5-70) Original Well Name: Resler - State "B" #1 10 sx plug at surface 11" 8-5/8" 24# @ 302' cmt'd. w/ 135 sx (circ) 25 sx plug @ 302' 7-7/8" Shot and pulled 5-1/2" csg @ 1199' 25 sx plug @ 1199' TOC @ 2190' (calc) 25 sx cmt plug @ 3042' 5-1/2" 14# @ 3042" cmt'd. w/ 125 sx (DNC) Top of Queen @ 3046': **Queen Open Hole:** 3046' - 3058' (3-55) PBTD - 3058' TD - 3058' 6/11/2008 NCCQU #14-10.xls

NCCQU #14-10

(3-55) - Initial Completion:

Orig comp open hole 3042' - 3058'. IP 66 BOPD.

(4-55) - Workover:

Sand fraced well #1 from 3044' - 3058' w/ 10,000 gal LSE oil and 15,000

# of sand.

(7-60) - Convert to Injection:

Ran injection tbg and pkr. Set pkr @ 3000'. Put well on water injection.

(5-70) - P&A Well:

DATE: Jan. 4, 2008 FIELD: Caprock BY: **GSA** North Central Caprock Queen Unit 14-11 WELL: LEASE/UNIT: **STATE:** New Mexico **COUNTY:** Chaves KB = 4426'Location: 1980' FSL & 1982' FWL, Sec 14K, T13S, R31ECM GL = 4419'SPUD: 9/55 COMP: 9/55 API = 30-005-00796CURRENT STATUS: P&A (6-70) Original Well Name: Manry - State #4 10 sx plug at surface 11' 8-5/8" 32# @ 173' cmt'd. w/ 125 sx (circ) 25 sx plug @ 173' 7-7/8" 25 sx plug @ 1196' Shot and pulled 5-1/2" csg @ 1196' TOC @ 2390' (calc) 25 sx cmt plug @ 3036' Top of Queen @ 3036': Queen: 3036' - 3049' (6 SPF) (9-55) 5-1/2" 15# @ 3071' cmt'd. w/ 100 sx (DNC) PBTD - 3071' TD - 3071' 6/11/2008 NCCQU #14-11.xls

NCCQU #14-11

(9-55) - Initial Completion:

Orig comp cased hole w/ perfs 3036' - 3049'. IP 240 BOPD.

(6-70) - P&A Well:

Jan. 2, 2008 DATE: FIELD: **GSA** Caprock BY: 14-12 LEASE/UNIT: North Central Caprock Queen Unit WELL: **STATE:** New Mexico **COUNTY:** Chaves KB = Location: 1980' FSL & 660' FWL, Sec 14L, T13S, R31ECM GL = 4421'SPUD: 5/55 COMP: 5/55 API = 30-005-00786CURRENT STATUS: P&A (6-70) Original Well Name: State N #1 10 sx plug at surface 11" 8-5/8" 28# @ 296' cmt'd. w/ 150 sx. TOC @ surface (calc). 25 sx plug @ 296' 25 sx plug @ 1228' 7-7/8" Shot and pulled 5-1/2" csg @ 1228' TOC @ 1665' (calc) 25 sx cmt plug @ 3024' 5-1/2" 14# @ 3027' cmt'd. w/ 200 sx (DNC) Top of Queen @ 3031': Queen Open Hole: 3031' - 3045' (5-55) 3023' - 3029' (4 SPF) (9-62) Queen: 4-1/2" Liner from 2972' - 3037' w/ 50 sx cmt PBTD - 3033' TD - 3045'

6/11/2008

NCCQU #14-12.xls

NCCQU #14-12

(5-55) - Initial Completion:

Natural open hole completion. IP 80 BOPD.

(12-60) - Convert to Injector:

Clean out hole to 3045'. Ran 2-3/8" injection tbg and pkr. Set pkr @

3006'. Put well on water injection.

(9-62) - Workover:

Clean out hole to 3037'. Ran 4-1/2" liner from 2972' - 3037' and cemented w/ 50 sx cmt. CO/DO well to 3033'. Perforated Queen sand interval 3023' -

3029' w/ 4 SPF. Ran 2-3/8" injection tbg and pkr. Set pkr at 2960'.

Returned to injection.

(6-70) - P&A Well:

DATE: Jan. 3, 2008 BY: **GSA** Caprock FIELD: North Central Caprock Queen Unit **WELL:** 14-13 LEASE/UNIT: **COUNTY:** Chaves STATE: New Mexico Location: 660' FSL & 660' FWL, Sec 14M, T13S, R31ECM KB = SPUD: 5/55 COMP: 5/55 GL = 4421'API = 30-005-00787CURRENT STATUS: P&A (6-70) Original Well Name: State N #2 10 sx plug at surface 11" 8-5/8" 24# @ 290' cmt'd. w/ 150 sx. TOC @ surface (calc). 25 sx plug @ 290' 7-7/8" 25 sx plug @ 1225' Shot and pulled 5-1/2" csg @ 1225' TOC @ 1666' (calc) 25 sx cmt plug @ 3028' 5-1/2" 14# @ 3028' cmt'd. w/ 200 sx (DNC) Top of Queen @ 3040': Queen Open Hole: 3040' - 3050' (5-55) PBTD - 3050' TD - 3050' 6/11/2008 NCCQU #14-13.xls

NCCQU #14-13

(5-55) - Initial Completion:

Open hole 3028' - 3050'. Sand oil fraced with 10,000 gal and 10,000 #

sand. IP 120 BOPD.

(6-70) - P&A Well:

DATE: Jan. 4, 2008 FIELD: Caprock BY: **GSA** LEASE/UNIT: North Central Caprock Queen Unit **WELL:** 14-14 **COUNTY:** Chaves **STATE: New Mexico** Location: 660' FSL & 1982' FWL, Sec 14N, T13S, R31ECM KB = 4417'SPUD: 8/55 COMP: 8/55 GL = 4419'CURRENT STATUS: P&A (6-70) API = 30-005-00795Original Well Name: Manry - State #3 10 sx plug at surface 11" 8-5/8" 32# @ 180' cmt'd. w/ 125 sx (circ) 25 sx plug @ 180' 7-7/8" 25 sx plug @ 590' Shot and pulled 5-1/2" csg @ 590' TOC @ 2398' (calc) 25 sx cmt plug @ 3030' Top of Queen @ 3030': Queen: 3030' - 3044' (6 SPF) (8-55) 5-1/2" 14# @ 3079" cmt'd. w/ 100 sx (DNC) PBTD - 3079' TD - 3079' 6/11/2008 NCCQU #14-14.xls

NCCQU #14-14

(9-55) - Initial Completion:

Orig comp cased hole w/ perfs 3030' - 3044'. IP 336 BOPD.

(11-60) - Convert to Injector:

Cleaned out well to 3044'. Ran 2-3/8" injection tbg and packer. Set pkr @ 3003'. Put well on water injection.

(6-70) - P&A Well:

DATE: Jan. 7, 2008 FIELD: **GSA** Caprock BY: LEASE/UNIT: North Central Caprock Queen Unit WELL: 14-15 **COUNTY:** Chaves STATE: New Mexico Location: 660' FSL & 1980' FEL, Sec 14O, T13S, R31ECM KB = SPUD: 4/55 COMP: 4/55 GL = 4412'API = 30-005-00789CURRENT STATUS: P&A (6-70) Original Well Name: State E-4191 #1 10 sx plug at surface 11" 8-5/8" 24# @ 316' cmt'd. w/ 150 sx (circ) 25 sx plug @ 316' 7-7/8" 25 sx plug @ 1209' Shot and pulled 5-1/2" csg @ 1209' TOC @ 2355' (calc) 25 sx cmt plug on top of 3036' plug. 25 sx cmt plug @ 3036' 5-1/2" 14# @ 3036' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3046': Queen Open Hole: 3046' - 3057' (4-55) PBTD - 3057' TD - 3057 6/12/2008 NCCQU #14-15.xls

NCCQU #14-15

(4-55) - Initial Completion:

Orig comp open hole 3036' - 3057'. IP 200 BOPD.

(6-70) - P&A Well:

6/12/2008

DATE: Jan. 7, 2008 FIELD: Caprock BY: **GSA** LEASE/UNIT: North Central Caprock Queen Unit WELL: 14-16 Chaves New Mexico **COUNTY:** STATE: Location: 660' FSL & 660' FEL, Sec 14P, T13S, R31ECM KB = GL = 4412'SPUD: 3/55 COMP: 3/55 CURRENT STATUS: P&A (4-65) API = 30-005-00793Original Well Name: Resler - State A #1 10 sx plug at surface 11" 8-5/8" 24# @ 287' cmt'd. w/ 125 sx (circ) 25 sx plug @ 300' 7-7/8" 25 sx plug @ 900' Shot and pulled 5-1/2" csg @ 852' TOC @ 2200' (calc) cmt ret @ 2964' squeeze cemented w/ 500 sx cmt. 5-1/2" 14# @ 3050' cmt'd. w/ 125 sx (DNC) Top of Queen @ 3054': Queen Open Hole: 3054' - 3068' (3-55) PBTD - 3068' TD - 3068'

6/12/2008

NCCQU #14-16.xls

Well History: NCCQU #14-16

(3-55) - Initial Completion: Orig comp open hole 3054 - 3068'. IP 72 BOPD.

(3-55) - Workover: Sandfrac well with 10,000 gal LSE oil and 15,000 # sand from 3050' -

3072'. Production increased 135 barrels per day.

(7-60) - Convert to Injection: A pkr was run on 2" tubing and set at 3010'.

(4-65) - P&A Well: The hole was loaded with mud. A retainer was set at @ 2964' and squeezed with 500 sacks of cement at 1100 psi. The 5-1/2" casing was

shot and pulled @ 852'. A 25 sx plug was spotted @ 900', 25 sx @ 300',

and 10 sx at surface.

DATE: Jan. 7, 2008 FIELD: Caprock BY: **GSA** Chaves State "C" WELL: LEASE/UNIT: 1-A Chaves STATE: New Mexico **COUNTY:** Location: 660' FNL & 660' FEL, Sec 23A, T13S, R31ECM KB = SPUD: 1/56 COMP: 1/56 GL = 4406'CURRENT STATUS: P&A (5-64) API = 30-005-00823Original Well Name: Chaves State "C" #1-A 5 sx plug at surface 11" 8-5/8" 24# @ 254' cmt'd. w/ 175 sx (circ) 6-3/4" TOC @ 2670' (calc) 20 sx cmt plug @ bottom 4-1/2" 9.5# @ 3058' cmt'd. w/ 75 sx (DNC) Top of Queen @ 3054': **Queen Open Hole:** 3058' - 3071' (3-55) PBTD - 3071' TD - 3071' Chaves State C #1-A.xls 6/12/2008

Chaves State "C" #1-A

(3-55) - Initial Completion:

Orig comp open hole 3058 - 3071'. IP 72 BOPD. Treated O.H. formation down 4-1/2" csg from 3058' - 3071' w/ 8,000 gal LSE oil w/ 1# sand per gal. Injection rate 11.2 bbls per min.

(5-64) - P&A Well:

Jan. 7, 2008 DATE: FIELD: Caprock BY: **GSA WELL:** 13-13 LEASE/UNIT: North Central Caprock Queen Unit STATE: **New Mexico COUNTY:** Chaves Location: 660' FSL & 330' FWL, Sec 13M, T13S, R31ECM KB = GL = 4405'SPUD: 9/56 COMP: 9/56 API = 30-005-00766CURRENT STATUS: P&A (7-70) Original Well Name: Gulf State #1-13 10 sx plug at surface 11" 8-5/8" 24# @ 218' cmt'd. w/ 125 sx (circ) 25 sx plug @ 218' 7-7/8" 25 sx plug @ 1216' Shot and pulled 5-1/2" csg @ 1216' TOC @ 2244' (calc) 25 sx cmt plug @ 3060' 5-1/2" 14&15.5# @ 3095' cmt'd. w/ 125 sx (DNC) Top of Queen @ 3060': **Queen:** 3060' - 3068' (9-56) PBTD - 3095' TD - 3107' 6/12/2008 NCCQU #13-13.xls

NCCQU #13-13

(9-56) - Initial Completion:

Orig comp cased hole to 3095'. Perfed 3060' - 3068'. Sand-oil fraced perfs w/ 15,000 gal w/ 1# sand per gal. IP 53 BOPD.

(7-70) - P&A Well:

DATE: Jan. 8, 2008 Caprock **GSA** BY: FIELD: WELL: Gilpin-State 1 LEASE/UNIT: **COUNTY:** Chaves STATE: **New Mexico** Location: 660' FNL & 1980' FWL, Sec 24C, T13S, R31ECM KB = GL = 4393'SPUD: 11/55 COMP: 11/55 API = 30-005-00849CURRENT STATUS: P&A (5-64) Original Well Name: Gilpin-State #1 10 sx plug at surface 11" 8-5/8" 28# @ 180' cmt'd. w/ 125 sx (circ) 25 sx plug @ 180' 7-7/8" 25 sx plug @ ? Shot and pulled 5-1/2" csg @? TOC @ 2240' (calc) 25 sx cmt plug @ bottom Top of Queen @ 3058': Queen: 3059' - 3069' (6 SPF) (11-55) 5-1/2" 14# @ 3090' cmt'd. w/ 125 sx (DNC) PBTD - 3090' TD - 3090' 6/12/2008 Gilpin-State #1.xls

Gilpin-State #1

(11-55) - Initial Completion:

Orig comp cased hole w/ perfs 3059' - 3069' w/ 6 SPF. Fraced perfs w/ 10,000 gal oil and 10,000 # sand. IP 480 BOPD.

(8-56) - P&A Well:

DATE: Jan. 7, 2008 FIELD: Caprock BY: **GSA** LEASE/UNIT: North Central Caprock Queen Unit **WELL:** 24-4 **COUNTY:** Chaves STATE: **New Mexico** Location: 330' FNL & 330' FWL, Sec 24D, T13S, R31ECM KB = SPUD: 12/57 COMP: 12/57 GL = 4402'API = 30-005-00838CURRENT STATUS: P&A (3-65) Original Well Name: Gulf State #2 10 sx plug at surface 12-1/4" 8-5/8" 32# @ 300' cmt'd. w/ 100 sx (circ) 25 sx plug @ 300' 7-3/4" 25 sx plug @ 2000' Shot and pulled 5-1/2" csg @ 2000' TOC @ 2419' (calc) 25 sx cmt plug @ 3100' <u>Top of Queen @ 3100':</u> **Queen Open Hole:** 3063' - 3068' (12-57) 5-1/2" 14&15.5# @ 3100" cmt'd. w/ 100 sx (DNC) PBTD - 3100' TD - 3106' 6/12/2008 NCCQU #24-4.xls

NCCQU #24-4

(12-57) - Initial Completion:

Orig comp cased hole, perfed 3063' - 3068'. Fraced w/ 15,000 gal oil and 15,000 # sand. IP 25 BOPD.

(10-60) - Convert to Injector:

Converted to water injection. Injection was down 2" tubing under pkr

set at 2996'.

(3-65) - P&A Well:

DATE: Jan. 7, 2008 **GSA** FIELD: Caprock BY: Chaves State "AH" WELL: LEASE/UNIT: **COUNTY:** Chaves STATE: New Mexico Location: 1980' FNL & 660' FWL, Sec 24E, T13S, R31ECM KB = SPUD: 1/56 COMP: 1/56 GL = 4410'CURRENT STATUS: P&A (5-64) API = 30-005-00836Original Well Name: Chaves State "AH" #2 5 sx plug at surface 11" 8-5/8" 24# @ 257' cmt'd. w/ 175 sx (circ) 25 sx plug @ 290' 6-3/4" TOC @ 2670' (calc) 20 sx cmt plug @ bottom 4-1/2" 9.5# @ 3058' cmt'd. w/ 75 sx (DNC) Top of Queen @ 3058': Queen Open Hole: 3058' - 3075' (1-56) PBTD - 3075' TD - 3075'

6/12/2008

Chaves State AH #2.xls

Chaves State "AH" #2

(1-56) - Initial Completion:

Orig comp open hole 3058' - 3075'. Treated O.H. down 4-1/2" csg from 3058'- 3075' w/ 8,000 gal LSE oil with 1# sand per gal. Injection rate 12.5 bbl per minute.

(5-64) - P&A Well:

DATE: Jan. 8, 2008 Caprock FIELD: BY: **GSA** LEASE/UNIT: Chaves State "AH" A WELL: 3 STATE: **COUNTY:** Chaves **New Mexico** Location: 1650' FNL & 1980' FWL, Sec 24F, T13S, R31ECM KB = 4396'GL = SPUD: 2/56 COMP: 2/56 API = 30-005-00837CURRENT STATUS: P&A (5-64) Original Well Name: Chaves State "AH" A #3 5 sx cmt plug @ surface 11" 8-5/8" 24# @ 262' cmt'd. w/ 150 sx (circ) 6-3/4" TOC @ 2665' (calc) 20 sx cmt plug @ bottom 4-1/2" 9.5# @ 3053' cmt'd. w/ 75 sx (DNC) Top of Queen @ 3055': Queen Open Hole: 3055' - 3075' (2-56) PBTD - 3075' TD - 3075' 6/12/2008 Chaves State AH A #3.xls

Chaves State "AH" A #3

(2-56) - Initial Completion:

Orig comp open hole 3055' - 3075'. Treated OH down 4-1/2" csg from 3055' - 3062' w/ 8,000 gal LSE oil w/ 1# sand per gal. Injection rate 10.9 bbls per minute.

(8-56) - T&A Well:

(5-64) - P&A Well:

DATE: Jan. 10, 2008 **GSA** BY: FIELD: Caprock **WELL:** LEASE/UNIT: State "Z" 1 STATE: New Mexico Chaves **COUNTY:** KB = 4401'Location: 2310' FNL & 2310' FEL, Sec 24G, T13S, R31ECM SPUD: 10/57 COMP: 10/57 GL = API = 30-005-00842CURRENT STATUS: P&A (11-57) Original Well Name: State "Z" #1 5 sx cmt plug @ surface 11" 8-5/8" 24# @ 320' cmt'd. w/ 200 sx (circ) 15 sx cmt plug @ 300' 7-3/4" 25 sx cmt plug @ 2200' 5-1/2" csg shot and pulled @ 2066' TOC @ 2385' (calc) 25 sx cmt plug @ 3050' 5-1/2" 14# @ 3066' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3042': **Queen Open Hole:** 3066' - 3069' (10-57) PBTD - 3069' TD - 3069' 6/12/2008 State Z #1.xls

State "Z" #1

(10-57) - Initial Completion:

Orig comp open hole  $3066^{\prime}$  -  $3069^{\prime}$ . Produced 50 bbls of salt water with trace of oil in 24 hours.

(11-57) - P&A Well:

DATE: Jan. 10, 2008 FIELD: Caprock BY: **GSA** Yates WELL: 1 LEASE/UNIT: **COUNTY:** Chaves STATE: **New Mexico** KB = 4401'Location: 1971' FSL & 660' FEL, Sec 24I, T13S, R31ECM GL = SPUD: 10/48 COMP: 10/48 API = 30-005-00845CURRENT STATUS: D&A (11-48) Original Well Name: Yates #1 plug @ 30' - surface 12-1/4" 8-5/8" 28# @ 326' cmt'd. w/ 175 sx (circ) 10 sx plug @ 1530' - 1562' (top of salt) 7-7/8" 10 sx plug @ 2240' - 2272' (base of salt) 15 sx cmt plug @ 3017' - 3101' PBTD - 3101' TD - 3101'

1/22/2008 Yates #1

Well History: Yates #1

(11-48) - D&A Well:

Yates #1 1/22/2008

FIELD:

Caprock

DATE: Jan. 10, 2008 BY: GSA

LEASE/UNIT:

Chaves State A

WELL: 3

**COUNTY:** 

Chaves

STATE: New Mexico

KB = 4389'

Location: 1650' FSL & 990' FEL, Sec 24I, T13S, R31ECM

SPUD: 12/56 COMP: 1/57

GL =

CURRENT STATUS: P&A (3-57)

API = 30-005-00848

Original Well Name: Chaves State A #3

11"

5 sx cmt plug @ surface

8-5/8" 24# @ 147' cmt'd. w/ 100 sx (circ)

50 sx cmt plug @ bottom of surface csg

7-7/8"

50 sx cmt plug in the stub of the 4-1/2" csg

4-1/2" csg shot and pulled @ 2400' TOC @ 2418' (calc)

50 sx cmt plug @ bottom
4-1/2" 9.5# @ 3065'
cmt'd. w/ 125 sx (DNC)
Top of Queen @ 3065':
Queen Open Hole: 3065' - 3071' (1-57)

PBTD - 3071' TD - 3071'

6/12/2008

Chaves State A #3.xls

Chaves State A #3

(1-57) - Initial Completion:

Orig comp open hole 3065' - 3071'. Treated w/ 500 gal mud acid and fraced w/ 5,000 gal LSE crude and 1# sand.

(3-57) - P&A Well:

DATE: Jan. 10, 2008 Caprock FIELD: BY: **GSA** LEASE/UNIT: Continental-State WELL: 1 **COUNTY:** Lea STATE: **New Mexico** Location: 660' FNL & 1980' FWL, Sec 19C, T13S, R32ECM KB = 4378'GL = SPUD: 1/48 COMP: 1/48 CURRENT STATUS: P&A (05-51) API = 30-025-00295Original Well Name: Continental-State #1 15-1/2" 10-3/4" 32.75# @ 291' cmt'd. w/ 150 sx (circ) cmt plug @ 400' - surface 8-3/4" 15 sx cmt plug @ 1450' 20 sx cmt plug @ bottom Top of Queen @ 3054': **Queen:** 3054' - 3069' (01-48) 6-5/8" 19# @ 3022' cmt'd. w/ 600 sx (DNC). TOC @ surface (calc). PBTD - 3022' TD - 3080'

6/12/2008

Continental-State #1.xls

Continental-State #1

(01-48) - Initial Completion:

Orig comp cased hole w/ perfs 3054' - 3069', natural.

(5-51) - P&A Well:

6/12/2008

DATE: Jan. 10, 2008 FIELD: Caprock BY: **GSA** LEASE/UNIT: State "281" **WELL:** 1 STATE: **New Mexico COUNTY:** Lea Location: 1980' FNL & 660' FWL, Sec 19E, T13S, R32ECM KB = 4389'SPUD: 10/55 COMP: 3/55 GL ≈ API = 30-025-00289CURRENT STATUS: P&A (10-62) Original Well Name: State "281" #1 10 sx cmt plug @ surface 11" 9-5/8" 32# @ 350' cmt'd. w/ 250 sx (circ) 20 sx cmt plug @ 360' 20 sx cmt plug @ 1550' 7-7/8" 20 sx cmt plug @ 2185' Attempted to shoot and pull 7" csg, was unsuccessful @ 2217'. Shot and pulled csg @ 2185'. TOC @ 2222' (T.S.) 25 sx cmt plug @ 3080' 7" 20# @ 3078' cmt'd. w/ 150 sx (DNC) Top of Queen @?: Queen: 3074' - 3075' (4 SPF)(10-55) **Queen Open Hole:** 3078' - 3083' (10-55) PBTD - 3083' TD - 30831 6/12/2008 State 281 #1.xls

State "281" #1

(10-55) - Initial Completion:

Orig comp 3074' - 3075', 3078' - 3083'. Fraced well w/ 12,500 gal Petrogel and 12,500 # sand. Well TA'd 12-19-55.

(10-62) - P&A Well:

DATE: Jan. 10, 2008 FIELD: Caprock BY: **GSA** State "281" LEASE/UNIT: **WELL: COUNTY:** Lea STATE: New Mexico Location: 1980' FNL & 1980' FWL, Sec 19F, T13S, R32ECM KB = 4388'SPUD: 11/55 COMP: 11/55 GL = 4375'CURRENT STATUS: D&A (11-55) API = 30-025-00290Original Well Name: State "281" #2 15 sx cmt plug @ top of csg 12-1/4" 9-5/8" 32# @ 356' cmt'd. w/ 250 sx (circ) 35 sx cmt plug @ 270' - 356' 8-3/4" 15 sx cmt plug @ 1450' 50 sx cmt plug @ 2950' - 3107' PBTD - 3107' TD - 3107' 6/12/2008 State 281 #2.xls Well History: State "281" #2

(11-55) - D&A Well:

DATE: Jan. 22, 2008 Caprock FIELD: BY: JEA **Cabot State** LEASE/UNIT: WELL: 2 **COUNTY:** Lea STATE: **New Mexico** Location: 660' FNL & 2170' FWL, Sec 29C, T13S, R32ECM KB = GL = 4,343'SPUD: 1/74 COMP: 1/74 CURRENT STATUS: D&A (01-74) API = 30-025-24606Original Well Name: Cabot State #2 10 sx cmt surface plug 11" Spotted 35 sx cmt plug from 300' - 400' 8-5/8" 32# @ 355' emt'd w/ 250 sx (circ) Open hole Spotted 35 sx cmt plug from 1500' - 1600' across top of salt 7 7/8" Spotted 35 sx cmt plug from 2150' - 2250' across base of salt Note: cored 60' from 4270' - 4330' Spotted 35 sx cmt plug from 4359' - 4459' PBTD - 4459' TD - 4459'

Well History: Cabot State #2

(01-74) - D&A Well:

Jan. 22, 2008 DATE: FIELD: Caprock BY: **JEA** State "A" LEASE/UNIT: WELL: **COUNTY:** Lea STATE: New Mexico Location: 660' FNL & 330' FWL, Sec 29D, T13S, R32ECM KB = 4.368'SPUD: 2/58 COMP: 3/58 GL = API = 30-025-00297 CURRENT STATUS: P&A (03-59) Original Well Name: State "A" #1 5 sx cmt surface plug 12 1/4" Spotted 15 sx cmt plug @ 300' 8-5/8" 24# @ 404' cmt'd w/ 225 sx. TOC @ surface (calc). 7 7/8" Spotted 15 sx cmt plug @ 1800' Shot and pulled 5-1/2" csg @ 1800' TOC @ 2620' (T.S.) Spotted 15 sx cmt plug above open hole. 5-1/2" 14# @ 3049' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3050': Queen Open Hole: 3050' - 3058' (2-58) PBTD - 3058' TD - 3058'

6/12/2008

State 'A' #1.xis

State "A" #1

(2-58) - Initial Completion:

Orig comp in open hole section 3050' - 3058'. Frac'd w/ 10,000 gal of refined oil and 15,000 # sand @ 25 BPM and 2600 psi STP. IP 41 BOPD and 8 BWPD.

(03-59) - P&A Well;

6/12/2008

State 'A' #1.xls

DATE: Jan. 22, 2008 FIELD: Caprock BY: **JEA** WELL: LEASE/UNIT: Amerada State **STATE: New Mexico COUNTY:** Lea KB = 4,377'Location: 330' FNL & 1767' FWL, Sec 31C, T13S, R32ECM GL = SPUD: 2/58 COMP: 2/58 CURRENT STATUS: D&A (2-58) API = 30-025-00316Original Well Name: Amerada State #1 15 sx cmt surface plug Spotted 15 sx cmt plug @ 196' 8-5/8" 24# @ 195' cmt'd w/ 200 sx. TOC @ surface (calc). Mud Open hole 15 sx cmt plug spotted in open hole @ 1500' (top of salt) Mud Spotted 25 sx cmt plug @ 3020' Top of Queen @ 3068': PBTD - 3085' TD - 3085'

6/12/2008

Amerada State #1.xls

Amerada State #1

(02-58) - D&A Well:

FIELD: LEASE/UNIT:

Caprock State "X"

**COUNTY:** 

DATE:

Jan. 22, 2008

BY:

**JEA** 

KB = 4,378'

WELL:

STATE: **New Mexico** 

Location: 1650' FNL & 330' FWL, Sec 31E, T13S, R32ECM

SPUD: 4/56 COMP: 4/56

CURRENT STATUS: P&A (02-57)

GL =

API = 30-025-00315

Original Well Name: State "X" #2

10 sx cmt surface plug

8-5/8" 24# @ 308' cmt'd w/ 200 sx. TOC @ surface (calc).

Spotted 20 sx cmt plug @ 1200'

Shot and pulled 5-1/2" csg @ 1205' Shot 5 1/2" casing @ 1406' but could not pull

TOC @ 2388' (calc)

Spotted 25 sx cmt plug @ top of Queen @ 3062'

5-1/2" 14# @ 3069' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3072':

**Queen Open Hole:** 3072' - 3075' (04-56)

It appears that a liner was run and set @ 3805' to test the San Andres as a potential water supply source. Spotted 25 sx cmt plug @ 3805'

PBTD - 4361' TD - 4361'

State "X" #2

(4-56) - Initial Completion:

Orig comp in open hole section 3069' - 3075'. Drld out csg shoe w/ cable tools. Sand fraced 3072' - 3075' w/ 3,750 gals oil and 7,500 # sand.

IP 19 BOPD and 16 BWPD.

(06-56) - Deepen Well to San Andres;

A cement retainer was set @ 3039' and the Queen open hole was squeeze cemented w/ 200 sx cmt. The well was then deepened to 4361'. It appears that a liner was run and set @ 3805' to test the San Andres as a potential water supply supply source. After acidizing the San Andres (3805' - 4361') w/ 20,000 gal of acid, the well would produce less than 200 BWPD.

(02-57) - P&A Well;

6/12/2008 State 'X' #2.xls

DATE: Jan. 23, 2008 FIELD: Caprock BY: **JEA** LEASE/UNIT: **Drickey Queen Sand Unit** WELL: 1C **New Mexico COUNTY:** STATE: Location: 660' FNL & 1980' FWL, Sec 1C, T14S, R31ECM KB = SPUD: 12/56 COMP: 12/56 GL = API = 30-005-00946 CURRENT STATUS: D&A (02-57) Original Well Name: Medlin "C" #1 8-5/8" 24# @ 275" cmt'd. w/ 125 sx. TOC @ sur There is no record of how this well was D&A'd in the well files or in the NM OCD website well files. TOC @ 2396' (calc) 5-1/2" 15.5# @ 3077' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3077': **Queen Open Hole:** 3077' - 3082' (12-56) PBTD - 3082' TD - 3082'

6/12/2008

DQSU #1C.xls

**Drickey Queen Sand Unit #1C** 

(12-56) - Initial Completion:

Orig Comp drilled out 5-1/2" csg shoe w/ cable tools to 3082'. Frac'd w/ 10,000 gal oil and 10,000# sand. IP 30 BOPD and 20 BWPD.

(02-57) - D&A Well: There is no record of how this well was D&A'd in the well files or in the NM OCD website well files.

FIELD: LEASE/UNIT: **COUNTY:** 

Caprock

**Drickey Queen Sand Unit** 

Chaves

DATE:

Feb. 13, 2008

BY:

**GSA** 

WELL: 1D

STATE:

**New Mexico** 

Location: 330' FNL & 330' FWL, Sec 1D, T14S, R31ECM

SPUD: 10/55 COMP: 10/55

CURRENT STATUS: P&A Inector (6-70)

KB = 4,402'

GL =

API = 30-005-00947

Original Well Name: Medlin "B" #1

8-5/8" 24#/ft @ 355' cmt'd. w/ 350 sx cmt (circ)

10 sx cmt plug at surface

Attempted recompletion into Yates form @ 2313' - 2320'. SI 1-28-58 as uneconomical to operate. (12-57)

TOC @ 2409' (calc)

25 sx cmt plug 2883' - 3053'

Top CIBP @ 3053'

Top of Queen @ 3055':

Queen: 3074' - 3082' (4 SPF) (10-55)

5-1/2" 14# @ 3090' cmt'd. w/ 150 sx (DNC)

PBTD - 3089' TD - 3091'

**Drickey Queen Sand Unit #1D** 

(10-55) - Initial Completion:

Orig comp thru perfs 3074' - 3082' (4 SPF). Treated w/ 10,000 gal LSE Oil and 5,000~# sand. IP 22 BOPD. SI 12-57 as uneconomical to operate.

(12-57) - Yates Test:

Attempted recompletion into Yates form @ 2313' - 2320'. SI 1-28-58 as

uneconomical to operate.

(6-62) - Convert to Injector:

Converted to water injection well. SQZD off Yates sand perfs, drld out

to PBTD 3089'. Ran 99 jts 2-3/8" tbg on BOT pkr. Set pkr @ 3034'.

(6-70) - P&A Well:

Set CIBP @ 3053'. Set 25 sx cmt plug on top of B.P. @ 2883' - 3053'

loaded csg w/ mud. Set 10 sx cmt plug @ surface 30' - 0' w/ P&A marker.

DATE: Feb. 13, 2008 FIELD: Caprock BY: **GSA** LEASE/UNIT: **Drickey Queen Sand Unit** WELL: 2A **New Mexico COUNTY:** Chaves **STATE:** KB = 4,408'Location: 330' FNL & 990' FEL, Sec 2A, T14S, R31ECM GL = SPUD: 6/57 COMP: 6/57 CURRENT STATUS: P&A Producer (6-70 & 10-73) API = 30-005-00958Original Well Name: Gulf State #1 10 sx cmt plug at surface 11" 10.1 #/gal mud 8-5/8" 24#/ft @ 295' cmt'd. w/ 125 sx cmt. TOC @ surface (calc). 30 sx cmt plug @ 250' - 350' 10.1 #/gal mud 30 sx cmt plug @ 1500' - 1600' 10.1 #/gal mud 30 sx cmt plug @ 2000' - 2100' Shot and Pulled 5-1/2" csg @ 2020' TOC @ 2020' +/- (calc) 7 7/8" 10.1 #/gal mud 25 sx cmt plug 2739' - 2939' Top CIBP @ 2939' Top of Queen @ 3076': Queen: 3080' - 3086' (6-57) 5-1/2" 14# @ 3126' cmt'd. w/ 250 sx (DNC) PBTD -TD - 3128' 6/12/2008 DQSU #2A.xls

Drickey Queen Sand Unit #2A

(6-57) - Initial Completion:

Orig comp thru perfs 3080' - 3086'. Treated perfs w/ 10,000 gals LSE oil and 10,000 # sand. IP 65 BOPD.

(2-70) - Last Production:

@ 6 BOPD

(6-70) - P&A Well:

By Cities Service.

(10-73) - Re-P&A Well:

Salvaged 5 1/2" production casing and re-P&A well by Guest & Wolfson.

Jan. 4, 2008 DATE: BY: FIELD: Caprock **GSA** LEASE/UNIT: **Drickey Queen Sand Unit WELL:** 35F **COUNTY:** Chaves **STATE: New Mexico** Location: 1980' FNL & 1980' FWL, Sec 35F, T13S, R31ECM KB = 4410'SPUD: 3/55 COMP: 3/55 GL = 4400'CURRENT STATUS: P&A Injector (11-73) API = 30-005-00921Original Well Name: N.M. State "I" A/c 1 #1 10 sx cmt plug from 30' - surface 17 1/2" 13-3/8" 48#/ft @ 250' cmt'd. w/ 250 sx cmt (circ) 25 sx cmt plug from 200' - 300' 10.1 #/gal mud Shot and pulled 5-1/2" csg from 1185' 7 7/8" 25 sx cmt plug from 1185' - 1285' 10.1 #/gal mud TOC @ 2355' (calc) CIBP set @ 2623' w/ 5 sx cmt on top. 5-1/2" 14# @ 3036' cmt'd. w/ 100 sx (DNC) Top of Queen @ 3036': **Queen Open Hole:** 3036' - 3055' (3-55) PBTD - 3055' TD - 3055' 6/13/2008 DQSU #35F.xls

**Drickey Queen Sand Unit #35F** 

(3-55) - Initial Completion:

Orig comp in open hole section 3036' - 3055'. IP 240 BOPD.

(5-62) - Converted to Injector:

Converted to WIW. Injected into O.H. thru 2-3/8" tbg and pkr @ 3020'.

(11-73) - P&A Injector:

6/13/2008

DATE: Feb. 8, 2008 FIELD: Caprock BY: **GSA Drickey Queen Sand Unit** WELL: 35I LEASE/UNIT: STATE: **New Mexico COUNTY:** Chaves KB = 4402'Location: 1980' FSL & 660' FEL, Sec 35I, T13S, R31ECM SPUD: 7/55 COMP: 7/55 GL = 4401'CURRENT STATUS: P&A Producer (10-73) API = 30-005-00916Original Well Name: Levick State #3 10 sx cmt plug 30' - Surface 12-1/4" 8-5/8" 28#/ft @ 274' cmt'd. w/ 115 sx cmt. TOC @ surface (calc). 30 sx cmt plug from 200' - 300' 30 sx cmt plug from 1400' - 1500' 7 7/8" 30 sx cmt plug from 1950' - 2050' Shot and pulled 5-1/2" csg from 2015' TOC @ 2208' (calc) C1BP set @ 2900' w/ 5 sx cmt plug on top 5-1/2" 14# @ 3059' cmt'd. w/ 125 sx (DNC) Top of Queen @ 3061': **Queen Open Hole:** 3061' - 3079' (7-55) PBTD - 3079' TD - 3079' 6/13/2008 DQSU #35I.xls Well History: **Drickey Queen Sand Unit #35I** 

Orig comp in open hole section 3061' - 3079'. Sand fraced Queen w/ 500 gals mud acid, 10,000 gals oil and 10,000 # sand. IP 104 BOPD. (7-55) - Initial Completion:

(1-71) - Last Production: @ 3 BOPD.

By Guest and Wolfson. (10-73) - P&A Well:

> 6/13/2008 DQSU #35I.xls

DATE: Feb. 8, 2008 FIELD: Caprock BY: **GSA Drickey Queen Sand Unit** LEASE/UNIT: WELL: 35J **COUNTY:** Chaves STATE: **New Mexico** Location: 1980' FSL & 1980' FEL, Sec 35J, T13S, R31ECM KB = 4411'SPUD: 1/55 COMP: 1/55 GL = 4400'CURRENT STATUS: P&A Producer (11-73) API = 30-005-00918Original Well Name: State "AN" #6 10 sx cmt plug 30' - Surface 11" 8-5/8" 22.7#/ft @ 293" cmt'd. w/ 150 sx cmt. TOC @ surface (calc). 25 sx cmt plug from 275' - 375' 10.1 #/gal mud 7 7/8" 25 sx cmt plug from 1215' - 1315' Shot and pulled 5-1/2" csg from 1215' TOC @ 1215' (calc) 10.1 #/gal mud CIBP set @ 2875' w/ 5 sx cmt plug on top to 2855' 5-1/2" 14# @ 3052" cmt'd. w/ 300 sx (DNC) Top of Queen @ 3063': Queen Open Hole: 3063' - 3083' (1-55) PBTD - 3083' TD - 3083' 6/13/2008 DQSU #35J.xls Well History: Drickey Queen Sand Unit #35J

(1-55) - Initial Completion: Orig comp in open hole section 3063' - 3083'. IP 97 BOPD.

(5-63) - Convert to Injector: Converted to WIW. Injected into O.H. thru 2-3/8" IPC tbg on pkr set @

2976'.

(12-71) - Last Production:

(11-73) - P&A Well: By Guest and Wolfson

6/13/2008 DQSU #35J.xls

DATE: Feb. 8, 2008 Caprock FIELD: BY: **GSA** WELL: LEASE/UNIT: **Drickey Queen Sand Unit** 35KN **COUNTY:** Chaves STATE: **New Mexico** Location: 1980' FSL & 1980' FWL, Sec 35K, T13S, R31ECM KB = 4417'SPUD: 12/54 COMP: 12/54 GL = 4410'CURRENT STATUS: P&A Producer (11-73) API = 30-005-00917Original Well Name: State "AN" #5 10 sx cmt plug 30' - Surface 11" 8-5/8" 22.7#/ft @ 291' cmt'd. w/ 150 sx cmt. TOC @ surface (calc). 25 sx cmt plug from 250' - 350' 10.1 #/gal mud 7 7/8" Shot and pulled 5-1/2" csg from 1215' TOC @ 1215' (calc) 25 sx cmt plug from 1215' - 1315' 10.1 #/gal mud CIBP set @ 2933' w/ 5 sx cmt plug on top to 2913' 5-1/2" 14# @ 3053' cmt'd. w/ 300 sx (DNC) Top of Queen @ 3058': **Queen Open Hole:** 3058' - 3076' (12-54) PBTD - 3076' TD - 3076' 6/13/2008 DQSU #35KN.xls

**Drickey Queen Sand Unit #35KN** 

(12-54) - Initial Completion:

Orig comp in open hole section 3058' - 3076'. IP 100 BOPD.

(11-73) - Last Production:

@ 6 B/D

(11-73) - P&A Well:

By Guest and Wolfson

Feb. 8, 2008 DATE: FIELD: BY: **GSA** Caprock LEASE/UNIT: **Drickey Queen Sand Unit** WELL: 35L **COUNTY:** STATE: **New Mexico** Chaves KB = Location: 1980' FSL & 660' FWL, Sec 35L, T13S, R31ECM GL = 4414'SPUD: 3/55 COMP: 3/55 API = 30-005-00920 CURRENT STATUS: P&A Injector (11-73) Original Well Name: Levick #1 10 sx cmt plug 15' - Surface 16" 12-3/4" 45.45#/ft @ 239' cmt'd. w/ 250 sx. TOC @ surface (calc). 80 sx cmt plug from 200' - 300' 10.1 #/gal mud 8" 60 sx cmt plug @ csg stub Shot and pulled 7" csg from 638' 10.1 #/gal TOC @ 2065' (calc) mud CIBP set @ 2976' w/ 5 sx cmt plug on top 7" 20# @ 3047' cmt'd. w/ 125 sx (DNC) Top of Queen @ 3049': Queen Open Hole: 3049' - 3064' (3-55) PBTD - 3064' TD - 30641 6/13/2008 DQSU #35L.xls Well History: Drickey Queen Sand Unit #35L

(3-55) - Initial Completion: Orig comp in open hole section 3049' - 3064'. IP 80 BOPD.

(6-62) - Convert to Injection: Injected into O.H. thru 2-3/8" cmt lined tbg w/ pkr set @ 3030'.

(11-71) - Last Injection:

(11-73) - P&A Well: By Guest and Wolfson

DATE: Feb. 8, 2008 FIELD: Caprock BY: **GSA Drickey Queen Sand Unit 350** LEASE/UNIT: **WELL: COUNTY:** STATE: **New Mexico** Chaves KB = 4420'Location: 660' FSL & 1980' FEL, Sec 35O, T13S, R31ECM GL = 4411' SPUD: 6/55 COMP: 6/55 API = 30-005-00914CURRENT STATUS: P&A Producer (10-73) Original Well Name: Levick State #1 10 sx cmt plug 30' - Surface 12-1/4" 8-5/8" 24#/ft @ 305' cmt'd. w/ 185 sx. TOC @ surface (calc). 25 sx cmt plug from 250' - 350' 25 sx cmt plug from 1450' - 1550' 7 7/8" 25 sx cmt plug from 1940' - 2040' Shot and pulled 5-1/2" csg from 2022' TOC @ 2220' (calc) CIBP set @ 3000' w/ 3 sx cmt plug on top 5-1/2" 14# @ 3071' cmt'd. w/ 125 sx (DNC) Top of Queen @ 3072': **Queen Open Hole:** 3072' - 3092' (6-55) PBTD - 3092' TD - 3092' 6/13/2008 DQSU #35O.xls

Feb. 8, 2008 DATE: BY: **GSA** FIELD: Caprock WELL: 35P **Drickey Queen Sand Unit** LEASE/UNIT: STATE: **New Mexico COUNTY:** Chaves KB = 4415'Location: 660' FSL & 660' FEL, Sec 35P, T13S, R31ECM GL = 4406'SPUD: 7/55 COMP: 7/55 API = 30-005-00915CURRENT STATUS: P&A Injector (10-73) Original Well Name: Levick State #2 5 sx cmt plug 15' - Surface 12-1/4" 8-5/8" 24#/ft @ 274' cmt'd. w/ 125 sx cmt (circ) 35 sx cmt plug from 213' - 313' 40 sx cmt plug from 360' - 498' 35 sx cmt plug from 1329' - 1450' Hole collapsed after setting plug @ 1940' - 2040'. Could not circulate out. 7 7/8" 25 sx cmt plug from 1940' - 2040' Shot and pulled 5-1/2" csg from 2013' TOC @ 2282' (calc) CIBP set @ 3000' w/ 15' cmt cap to 2985' 5-1/2" 14# @ 3065' cmt'd. w/ 115 sx (DNC) Top of Queen @ 3072': Queen Open Hole: 3072' - 3085' (7-55) PBTD - 3085' TD - 3085' 6/13/2008 DQSU #35P.xls

**Drickey Queen Sand Unit #35P** 

(7-55) - Initial Completion:

Orig comp in open hole section 3072' - 3085'. Sand fraced w/ 10,000 gals oil and 10,000 # sand @ 24 BPM & 2000 psi avg STP. IP 100 BOPD.

(5-65) - Convert to Injector:

Converted to WIW. Injected into O.H. Thru 2-3/8" IPC tbg and pkr set @

3044'.

(1-71) - Last Injection:

(10-73) - P&A Well:

DATE: Jan. 25, 2008 BY: **JEA** FIELD: Caprock J. H. Farrar (State B-10420) WELL: LEASE/UNIT: **New Mexico** STATE: **COUNTY:** Chaves KB = 4,430'Location: 1980' FNL & 1980' FWL, Sec 22F, T13S, R31ECM GL = SPUD: 4/55 COMP: 5/55 API = 30-005-00811CURRENT STATUS: P&A (12-56) Original Well Name: J. H. Farrar (State B-10420) #1 5 sx cmt surface plug 11 1/4" 8-5/8" 24# @ 316' cmt'd w/ 150 sx. TOC @ surface (calc). 7 7/8" Spotted 25 sx cmt plug half in and half out of 5 1/2" casing Shot and pulled 5-1/2" csg @ 1800' TOC @ 2373' (calc) Spotted 15 sx cmt plug at bottom Top of Queen @ 3036': Queen: 3036' - 3048' (05-55) (Sqz'd w/ 150 sx cmt 06-56) 3045' - 3048' (06-56) 5-1/2" 14# @ 3054" cmt'd. w/ 100 sx (DNC) PBTD - 3054'

6/16/2008

J.H. Farrar #1.xls

TD - 3059'

DATE: Jan. 25, 2008 FIELD: Caprock BY: **JEA** Hondo Federal WELL: LEASE/UNIT: **COUNTY:** STATE: Chaves **New Mexico** Location: 1980' FNL & 660' FEL, Sec 21H, T13S, R31ECM KB = 4,167SPUD: 11/85 COMP: 11/85 GL = 4,161'API = 30-005-21013CURRENT STATUS: Inactive Gas Producer Original Well Name: Hondo Federal #1 12 1/4" 8-5/8" 24# @ 359' cmt'd w/ 250 sx (circ 35 sx) A Sundry Notice was submitted 08-06 to P&A this well. The actual P&A has not been documented in the NM OCD well files. 7 7/8" TOC @ 1246' (calc) 2 3/8" tubing @ 2748' Top of Queen @ 2742': Queen: 2742' - 2747' (2 SPF) (11-85) 4-1/2" 10.5# @ 2800" cmt'd. w/ 300 sx (DNC) PBTD - 2782' TD - 2800' 6/16/2008 Hondo Federal #1.xls

Hondo Federal #1

(11-85) - Initial Completion: Orig comp perforated 2742' - 2747' (2 SPF). Frac'd w/ 14,848 gal gelled KCl water, 4012 gal CO2, 13,500# 20/40 sand, and 7,500# 12/20 sand. IP 420 MCFPD.

(12-98) - Last Production:

(08-06) - P&A Well: A Sundry Notice was submitted 08-06 to P&A this well. The actual P&A has not been documented in the NM OCD well files.