

Amoco Production Company
P. O. Box 68
Hobbs, NM 88240

OIL CONSERVATION DIVISION
SANTA FE

April 3, 1980

File: SJO-986.51 X WF-462

Re: Additional Information
Conversion of Producing Wells to Injection
South Hobbs GSA Unit Pressure Maintenance Project
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Attn: Mike Holland

Dear Mr. Holland:

In reply to your letter of February 15, 1980 requesting additional information concerning the conversion of four producing wells to injection wells in our South Hobbs GSA Unit. Attached are the well bore sketches for our South Hobbs Unit Well Nos. 27, 50, 113 and 115.

We have also filed for administrative approval to expand our South Hobbs GSA Unit Pressure Maintenance Project to cover the area in which well Nos. 113 and 115 are located.

Yours very truly,

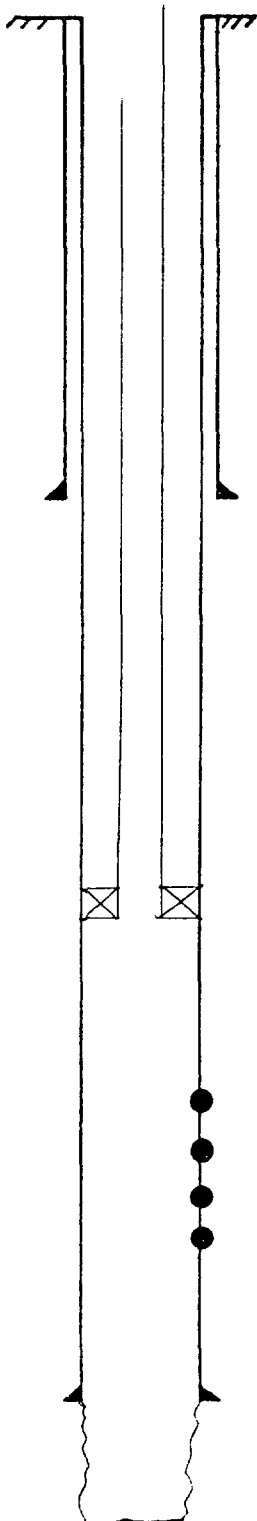
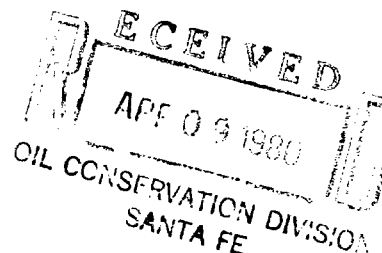
S. J. OKERSON
District Superintendent

Attachments

FIELD <u>HOBBS (GSA)</u>	OPERATOR <u>Amoco Production Company</u>		DATE OF WELL STATUS <u>2-21-80</u>
LEASE NAME <u>SOUTH HOBBS UNIT</u>	WELL NO. <u>115</u>	WELL LOCATION I-UNIT LETTER <u>2310</u> FEET FROM <u>SOUTH</u> LINE AND <u>330</u> FEET FROM <u>EAST</u> LINE. SEC. <u>6</u> T <u>19S</u> R <u>38E</u>	

MEASUREMENT DATUM ELEV. 3631 (GL-DF-KB) TOTAL DEPTH 4270 PBDT _____

FORMERLY: Bradley NO. 1
API NO: 305025-07642
FLAC NO: 954800017



8 5/8" 28 # CASING CMT'D. @ 360 FT. WITH 300 SX CMT.
HOLE SIZE _____" TOP OF CMT. OUTSIDE CASING @ _____ FT.

HOW TOP OF CMT. DETERMINED _____

Run 2 3/8" plastic coated injection tubing and pkr. Set pkr.
@ 3900 w/ 1 IT. of tailpipe.
Sweet Production PKR.

PERFORATED INTERVAL(S) Perfs new open: 4015-30;
4048-55, 63-70, 76-86.
Any additional perfs will be chosen by
engineer on location.

*NOW SQUEEZED

OPEN HOLE INTERVAL 4242--4270
2 3/8" # TBG. @ 3900 FT. PKR. @ 3900

OK

5 1/2" 17 # CASING CMT'D. @ 4242 FT. WITH 700 SX CMT.
HOLE SIZE _____" TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

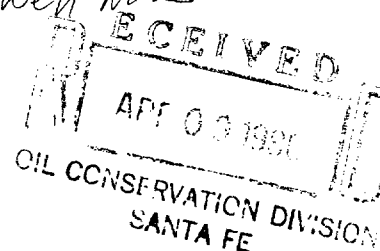
FIELD <u>HOBBS (GSA)</u>	OPERATOR <u>Amoco Production Company</u>	DATE OF WELL STATUS <u>2-21-80</u>
LEASE NAME <u>SOUTH HOBBS UNIT</u>	WELL NO. <u>113</u>	WELL LOCATION UNIT LETTER <u>1650</u> FEET FROM <u>NORTH</u> LINE AND <u>1650</u> FEET FROM <u>EAST</u> LINE. SEC <u>6</u> T <u>19S</u> R <u>38E</u>

MEASUREMENT DATUM ELEV. 3634 (GL-DF-KB) TOTAL DEPTH 4288 PBTD _____

Formerly: Bradley State Well No. 5

API NO: 30-025-07639

FLAC NO: 954804019



8 5/8" 24 # CASING CMT'D. @ 321 FT. WITH 250 SX CMT.
HOLE SIZE _____" TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

Run 2 3/8" plastic coated injection TBG. X PKR. Set pkr. @ 3850
w/ 157. of Tailpipe.
Rubber Sweet formation pkr.

TOP OF LINER @ 3042 FT.
5 1/2" 15.5 # CASING CMT'D. @ 3279 FT. WITH 800 SX CMT.
HOLE SIZE _____" TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

PERFORATED INTERVAL(S) Perts now open: 3988; 4017;
4023; 4041; 4067.
3986-4004; 4032-4042; 4064-4070; 4080-4086.

*NOW SQUEEZED

OPEN HOLE INTERVAL _____
2 3/8" #TBG. @ 3850 FT. PKR. @ 3850

4 1/2" 11.3 # CASING CMT'D. @ 4112 FT. WITH 130 SX CMT.
HOLE SIZE _____" TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

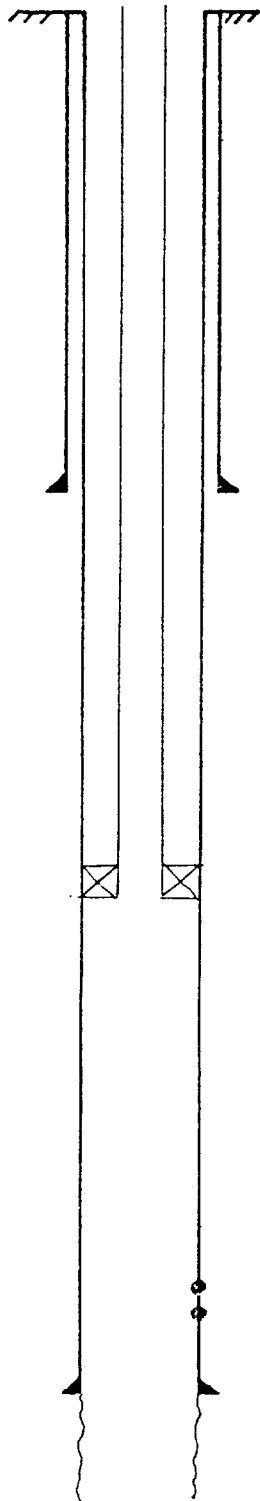
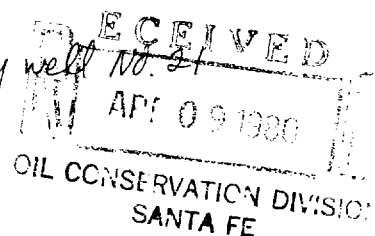
FIELD <u>HOBBS (GSA)</u>	OPERATOR <u>Amoco Production Company</u>	DATE OF WELL STATUS <u>1-21-80</u>
LEASE NAME <u>SOUTH HOBBS UNIT</u>	WELL NO. <u>50</u>	WELL LOCATION "M" UNIT LETTER <u>990</u> FEET FROM <u>SOUTH</u> LINE AND <u>990</u> FEET FROM <u>WEST</u> LINE. SEC. <u>5</u> T <u>19S</u> R <u>38E</u>

MEASUREMENT DATUM ELEV. 3628 RDB (GL-DF-KB) TOTAL DEPTH 4300' PBTD _____

Formerly: STATE "A" Tr. 4
and Standard oil & gas company well NO. 21

API NO: 30-025-07632

FLAC NO: 924856



8 5/8 " 22.7 # CASING CMT'D. @ 322 FT. WITH 200 SX CMT.
HOLE SIZE _____ " TOP OF CMT. OUTSIDE CASING @ 3175 FT.
HOW TOP OF CMT. DETERMINED _____

Run 2 3/8 " plastic coated injection tubing & pkr.
Set pkr @ about 3900' w/ 15' of Tailpipe.
Guiberson pkr.

PERFORATED INTERVAL(S) Perfs New open: 4223-4231
4024-86. Any additional perfs will be
made by engineer on location.

*NOW SQUEEZED

OPEN HOLE INTERVAL _____

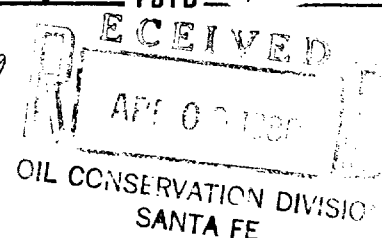
2 3/8 " # TBG. @ 3900 FT. PKR. @ 3900

5 1/2 " 14 # CASING CMT'D. @ 4299 FT. WITH 35 SX CMT.
HOLE SIZE _____ " TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

FIELD <u>HOBBS (GSA)</u>	OPERATOR <u>Amoco Production Company</u>	DATE OF WELL STATUS <u>1-21-80</u>
LEASE NAME <u>SOUTH HOBBS UNIT</u>	WELL NO. <u>27</u>	WELL LOCATION "E" UNIT LETTER <u>1980</u> FEET FROM <u>NORTH</u> LINE AND <u>660</u> FEET FROM <u>WEST</u> LINE. SEC <u>5</u> T <u>19S</u> R <u>38E</u>

MEASUREMENT DATUM ELEV. 3618' (GL-DF-KB) TOTAL DEPTH 4312 PBTD 4215'

Formerly: McKinley Well NO. 29
API NO: 30-025-07631
FLAC NO: 924946019



13 " 50 # CASING CMT'D. @ 200 FT. WITH 200 SX CMT.
HOLE SIZE _____ " TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

9 5/8 " 36 # CASING CMT'D. @ 2792 FT. WITH 500 SX CMT.
HOLE SIZE _____ " TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

Run 2 3/8" plastic coated injection tubing and PKR SA 3800' w/ 15T. of tailpipe.
Baker full bore 7" PKR.

TOP OF LINER @ 3966 FT.
7 " 20 # CASING CMT'D. @ 4019 FT. WITH 300 SX CMT.
HOLE SIZE _____ " TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

PERFORATED INTERVAL(S) Perfs now open: 4002-27,
4092-4104, 4108-12, 4136-40, 4148-56, 4166-72.
Any additional perfs will be made by engineer on
location.

*NOW SQUEEZED

OPEN HOLE INTERVAL 4190-4215'
2 3/8" # TBG. @ 3800' FT. PKR. @ 3800'

4 1/2 " 9.5 # CASING CMT'D. @ 4190 FT. WITH 35 SX CMT.
HOLE SIZE _____ " TOP OF CMT. OUTSIDE CASING @ _____ FT.
HOW TOP OF CMT. DETERMINED _____

To: N.M.O.C.C. Bldg. _____ Mail Code or
Rm. No. _____
To: P. O. Drawer DD Bldg. _____ Mail Code or
Rm. No. _____
To: Artesia, NM 88210 Bldg. _____ Mail Code or
Rm. No. _____

Location: _____

Route Ticket	Please Handle	Remarks: _____
	Please Approve	_____
	Please Note and return	_____
	For Your Information	_____
	Please See Me	_____
	Please Advise	_____
Your File	From: <u>Amoco Production-Levelland</u> Date _____	

Plugged x Abandoned

Wells

within

1/2 mile radius

WELL BORE SKETCH

JOHN M. KELLY				// COMPLETION DATE		
FIELD		ELEV	ELEV REF PT		// DATE OF SKETCH	
OHIO STATE		1				
LSE/UNIT		WELL NO.	FLAC			
330FNLX 330FEL	A	10	29	58	LEA	N.M.
FOOTAGE TO LOCATION	LETTER	SEC	TWNSHP	RANGE	COUNTY	STATE

P. & A. : 10-29-58

← 8 5/8" CSG SA 380' w/200 SX CMT

PIPE SHOT OFF AT
3220 WITH 25 SX CMT PLUG
AT THESE PTS. 3350 (PIPE STUB)
1650 (TOP OF SALT), 300 (BASE
OF SURFACE). 10 SX CMT PLUG
AT SURFACE.

← 5 1/2" CSG SA 4250 w/400 SX CMT

← SHOT OFF AT 3220

← CMT PLUG AT 3350

TD 4250

WELL BORE SKETCH

ATLANTIC RICHFIELD				/ / COMPLETION DATE		
FIELD		ELEV	ELEV REF PT		/ / DATE OF SKETCH	
ATLANTIC RICHFIELD		2				
LSE/UNIT		WELL NO.	FLAC			
330FSNLX480FWEL	A	6	19	38E	LEA	N.M.
FOOTAGE TO LOCATION	LETTER	SEC	TWNSHP	RANGE	COUNTY	STATE

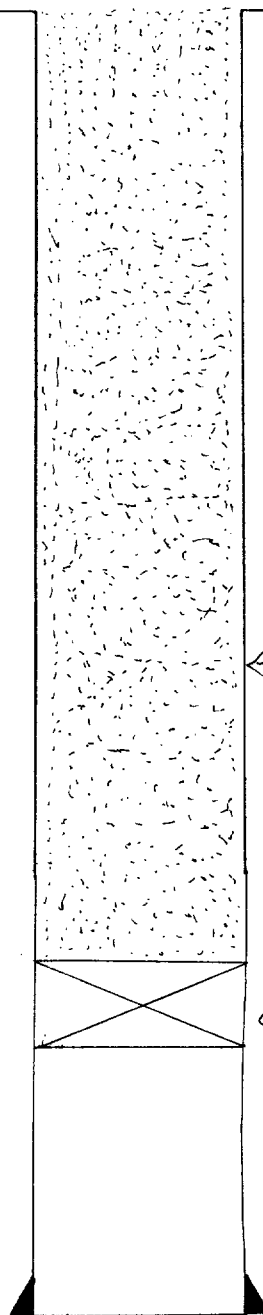
P. & A. 10-16-75

← 8 5/8" csg SA 483' w/275 SX CMT

← 5 1/2" csg SA 3190' w/800 SX CMT

← CIBP SA 3132

SPOT 10 SX CMT ON TOP
OF CIBP @ 3132'
SPOT 12 SX CMT in 5 1/2" csg
ACROSS TOP OF SALT @ 1600'.
SPOT 10 SX CMT @ SURFACE.



TD 3273'

WELL BORE SKETCH

ATLANTIC RICHFIELD				/ /	
FIELD		ELEV		ELEV REF PT	
ATLANTIC RICHFIELD		3		/ /	
LSE/UNIT		WELL NO.		FLAC	
330FSNLX/1650FWEL		B		6	
FOOTAGE TO LOCATION		LETTER		SEC	
		19S		38E	
		TWN SHP		RANGE	
		LEA		N.M.	
		COUNTY		STATE	

P.A. : 10-16-75

← 8 5/8" CSG SA 300' w/ 250 SX CMT

CIBP @ 3125 SPOT 10 SX CMT
71' ON TOP OF BP.
SPOT HEAVY MUD BETWEEN ALL
CMT PLUGS.
SPOT 12 SX CMT IN 5 1/2" CSG (100' plug)
TOP OF SALT (1610)
SPOT 10 SX CMT @ SURFACE

← 5 1/2" CSG SA 3200' w/ 800 SX CMT

← CIBP SA 3125'

PERF 3238-3277

TD 3277

WELL BORE SKETCH

ATLANTIC RICHFIELD				/ / COMPLETION DATE		
FIELD		ELEV	ELEV REF PT		/ / DATE OF SKETCH	
ATLANTIC RICHFIELD		4				
LSE/UNIT		WELL NO.	FLAC			
1650FNL X 330FEL	H	6	19S	38E	LEA	N.M.
FOOTAGE TO LOCATION	LETTER	SEC	TWNSHP	RANGE	COUNTY	STATE

P.A.: 10-17-75

← 8 5/8" CSG SA 300' w/250 SX CMT

CIBP SA 3119
SPOT 10 SX CMT ON BP
HEAVY MUD BETWEEN ALL PLUGS.
SPOT 12 SX CMT INSIDE 5 1/2"
CSG TOP OF SALT @ 1600'
SPOT 10 SX CMT @ SURFACE

← 5 1/2" CSG 9A 3200' w/800 SX CMT

CIBP @ 3119'

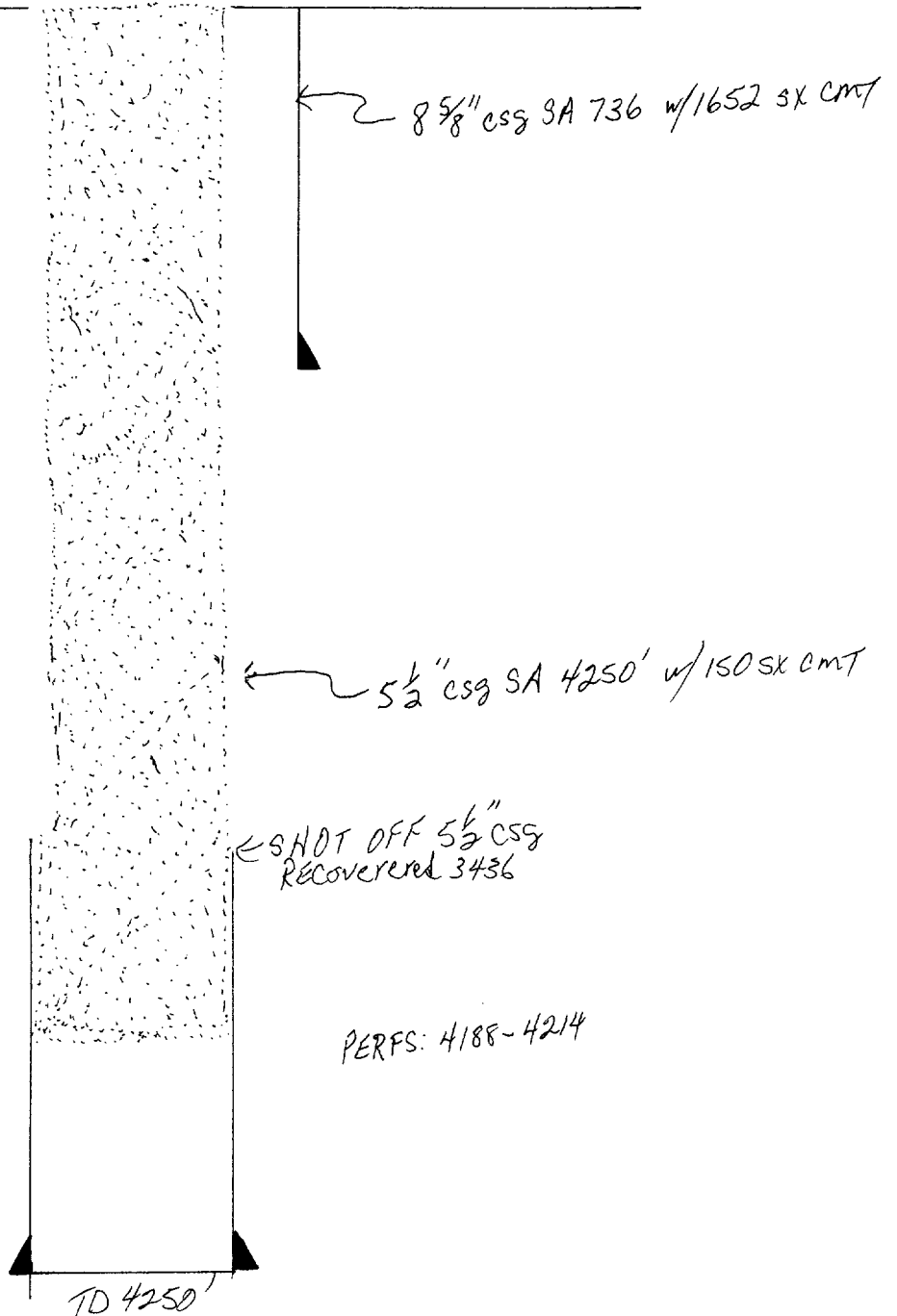
PERF 3219-3235

TD 3270

WELL BORE SKETCH

CITIES SERVICE OIL						/ / COMPLETION DATE	
FIELD		ELEV		ELEV REF PT		/ / DATE OF SKETCH	
FOWLER "B"		1					
LSE/UNIT		WELL NO.		FLAC			
2310FSLX2317.1FWL	K	6	19S	38E	LEA	N.M.	
FOOTAGE TO LOCATION	LETTER	SEC	TWNSHP	RANGE	COUNTY	STATE	

30 SX CMT Plug 4249-4009
 SHOT OFF 5 1/2" CSG - Recovered 3436
 25 SX. Plug FROM 3410-3345
 25 SX CMT Plug 1651-1526
 15 SX CMT Plug to Surface



PERFS: 4188-4214

WELL BORE SKETCH

SUN OIL CO.						/ / COMPLETION DATE	
FIELD		ELEV		ELEV REF PT		/ / DATE OF SKETCH	
SUN OIL CO.		5					
LSE/UNIT		WELL NO.		FLAC			
610FNLX 1980FEL	B	5	19S	38E	LEA	N.M.	
FOOTAGE TO LOCATION	LETTER	SEC	TWNSHP	RANGE	COUNTY	STATE	

P.A. 1-28-74

9 5/8" csg SA 280.5' w/150 SX CMT

SPOT 45 SX CMT 3775'
15 SX surface plug

7" csg SA 3104.01' w/625 SX CMT

PERF 3638-3722

TD 3830'

WELL BORE SKETCH

SUN OIL CO.				/ /	
FIELD		ELEV		ELEV REF PT	
SUN OIL CO.		6		/ /	
LSE/UNIT		WELL NO.		FLAC	
585FNLX585FEL	A	5	19S	38E	LEA
FOOTAGE TO LOCATION	LETTER	SEC	TWNSHP	RANGE	COUNTY
					STATE

P.A. 1-31-74

9 5/8" CSG SA 287.51' w/150 SX CMT

SHOT 5 1/2" CSG @ 1016 + Pull
SPOT 45 SX CMT 3150-2900
SPOT 45 SX CMT @ 1049

SHOT OFF 5 1/2" CSG @ 1016

5 1/2" CSG SA 3112.01' w/675 SX CMT

PERF 3/54-3204

TD 3210