

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: MANRANO OIL CO Well: BSWU No. 34

Contact: DAVID SWEENEY Title: ENG. Phone: 505-623-1996

DATE IN 11-24-97 RELEASE DATE 12-9-97 DATE OUT 4-15-98

Proposed Injection Application is for: ☐ WATERFLOOD ☐ Expansion ☐ Initial

Original Order: R- 4741 ☐ Secondary Recovery ☐ Pressure Maintenance

SENSITIVE AREAS

☒ SALT WATER DISPOSAL ☐ Commercial Well

☐ WIPP ☐ Capitan Reef

Data is complete for proposed well(s)? YES Additional Data Req'd _____

AREA of REVIEW WELLS

14 Total # of AOR

3 # of Plugged Wells

YES Tabulation Complete

YES Schematics of P & A's

YES Cement Tops Adequate

NO AOR Repair Required

INJECTION FORMATION

Injection Formation(s) QUEEN GRAYBURG Compatible Analysis YES

Source of Water or Injectate AREA PRODUCTION

PROOF of NOTICE

☐ Copy of Legal Notice

☐ Information Printed Correctly

☐ Correct Operators

☐ Copies of Certified Mail Receipts

NO Objection Received

☐ Set to Hearing _____ Date

NOTES:

RE-ACTIVATE NJ SWD

APPLICATION WAS DELAYED FOR ADDITIONAL INFO.

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: ☐ Telephoned ☐ Letter _____ Date _____ Nature of Discussion _____

2nd Contact: ☐ Telephoned ☐ Letter _____ Date _____ Nature of Discussion _____

3rd Contact: ☐ Telephoned ☐ Letter _____ Date _____ Nature of Discussion _____



Manzano Oil Corporation

P.O. Box 2107
Roswell, New Mexico 88202-2107
(505) 623-1996
FAX (505) 625-2620

November 18, 1997

4

New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Attn: Ben Stone

Re: ~~BSWU Well #34~~ (R-4741)
Sec 30, T18S, R31E
Eddy County, NM

Dear Ben:

Manzano Oil Corporation is requesting to reactive Order #R-4741 on the above mentioned well. Attached is a map with a one-half mile radius drawn around the well. Attached is the information on the wells in the area of review. There are copies of additional information Manzano has in its well file. If you have any questions, please contact me.

Very truly yours,

David Sweeney
David Sweeney

DS:ah

Enclosures

ARCW

Well Name	Operator	Type	Spud	Completion	Total Depth	Producing Zone	Perforations	Completion Information	Comments
Shugart "C" #4 J-30-18S-31E NW/4SW/4 1650'FSL & FEL Eddy County, NM	SDX Resources	Oil	8/27/61	10/27/61	3682'	Queen, Grayburg	(3520-26) (3532-36) (3542-48) (3580-3602) (3634-44)	8-5/8" 23# @ 775' w/50 sks 5-1/2" @ 3682' w/300 sks 2-3/8" tbg	Cable Tool Producing
Shugart "D" #1 G-30-18S-31E SW/4NE/4 2310'FNL & FEL Eddy County, NM	SDX Resources	Oil	9/02/62	11/18/62	3829'	Grayburg Queen	(3762-78) (3452-64)	8-5/8" @ 763' w/110 sks 5-1/2" @ 3808' w/125 sks	Converted to WTW 9/17/68 T&A 8/30/93
Shugart "D" #5 B-30-18S-31E NW/4NE/4 990'FNL & 2310'FEL Eddy County, NM	SDX Resources	Oil	11/28/62	2/09/63	3865'	Penrose Queen Grayburg	(3426-40) (3514-20) (3766-84)	8-5/8" @ 730' w/75 sks 5-1/2" @ 3865' w/175 sks 2-3/8" tbg	Cable Tool Producing

Well Name	Operator	Type	Spud	Completion	Total Depth	Producing Zone	Perforations	Completion Information	Comments
Shugart "D" #6 C-30-18S-31E NE/4NW/4 990'FNL & 2210'FWL Eddy County, NM	SDX Resources	Oil	12/14/62	2/20/63	3857'	Penrose Grayburg	(3432-46) (3482-92) (3776-94)	8-5/8" @ 729' w/75 sks 5-1/2" @ 3857' w/175 sks 2-3/8" tbg	Cable Tool Producing
Shugart "D" #7 D-30-18S-31E NW/4NW/4 990'FNL & 890'FWL Eddy County, NM	SDX Resources	Oil	1/10/63	3/16/63	3817'	Penrose Grayburg	(3401-16) (3420-28) (3471-62) (3644-51) (3775-90)	8-5/8" @ 751' w/75 sks 5-1/2" @ 3817' w/175 sks	Cable Tool T&A 8/17/93
Shugart "D" #12 F-30-18S-31E SE/4NW/4 1650'FNL & 2310'FWL Eddy County, NM	SDX Resources	Oil	4/28/78	5/15/78	3839'	Penrose Grayburg	(3400-10) (3416-24) (3748-52) (3764-78)	8-5/8" 24# @ 728' w/350 sks 5-1/2" 14# @ 3839' w/1330 sks 2-3/8" tbg	Rotary Producing

Well Name	Operator	Type	Spud	Completion	Total Depth	Producing Zone	Perforations	Completion Information	Comments
W. Shugart 30 Fed #1 F-30-18S-31E SE/4NW/4 1980'FNL & FWL Eddy County, NM	Penwell Energy, Inc.	Dual Gas & Oil	11/27/96	5/03/97	12250'	Wolfcamp Morrow	(10130-151) (12047-089)	13-3/8" 54.5# @ 550' w/625 sks 9-5/8" 40# @ 3925' w/1850 sks 7" 23# @ 12250' w/1650 sks	Producing
W. Shugart 30 Fed #9 K-30-18S-31E NE/4SW/4 1980'FSL & FWL Eddy County, NM	Penwell Energy, Inc.	Oil	5/09/97	7/29/97	10350'	Wolfcamp	(10122-142)	13-3/8" 54.5# @ 545' w/600 sks 8-5/8" @ 2840' w/1725 sks 5-1/2" 17# @ 10350' w/1250 sks	Producing
W. Shugart 30 Fed #10 H-30-18S-31E SE/4NE/4 1980'FNL & 660'FEL Eddy County, NM	Penwell Energy, Inc.	Oil	4/15/97	7/03/97	12250	Morrow	(11923-972)	13-3/8" 54.5# @ 565' w/600 sks 9-5/8" 40# @ 3908' w/1600 sks 5-1/2" 17# @ 12250 w/1650 sks	Producing

Well Name	Operator	Type	Spud	Completion	Total Depth	Producing Zone	Perforations	Completion Information	Comments
Shugart "C" #5	SDX Resources	Oil	8/12/64	10/22/64	3855'	Grayburg	(3782-62) (3753-40)	8-5/8" @ 755' w/75 sks 5-1/2" @ 3852' w/150 sks	T&A 7/01/96
BSWU Well #30 M-30-18S-31E SW/4SW/4 930'FSL & 660'FNL Eddy County, NM	Manzano Oil	WIW	8/16/88	11/02/88	6125'	Seven Rivers	(2469-87) (3543-63) (3639-48)	13-3/8" 56# @ 503' w/450 sks 8-5/8" 24# @ 1979' w/850 sks 5-1/2" 15.5# @ 6125' w/1470 sks 2-3/8" tbg	Rotary Drilled as a Delaware Test Completed in Penrose, Grayburg. Converted to WIW in the Seven Rivers 1/04/94
BSWU Well #29 L-30-18S-31E NE/4SW/4 1650'FSL & 330'FWL Eddy County, NM	Manzano Oil	Oil	4/05/62	5/05/62	2542'	Seven Rivers	(2498-2510)	8-5/8" 24# @ 810' w/50 sks 5-1/2" 15.5# @ 2542' w/200 sks 2-3/8" tbg	Cable Tool Producing

Well Name	Operator	Type	Spud	Completion	Total Depth	Producing Zone	Perforations	Completion Information	Comments
BSWU Well #31 M-30-18S-31E SW/4SW/4 330'FSL & 660'FWL Eddy County, NM	Manzano Oil	Oil	10/18/61	12/15/61	2604'	Seven Rivers	(2403-2530) (3572-2582)	8-5/8" 24# @ 809' w/50 sks 5-1/2" 15.5# @ 2604'	Cable Tool Producing
BSWU Well #32 M-30-18S-31E NW/4SW/4 1100'FSL & FWL Eddy County, NM	Manzano Oil	Oil	12/26/79	2/10/80	2700'	Yates Seven Rivers	(2386-2574)	8-5/8" 20# @ 808' w/325 sks 5-1/2" 14# @ 2702' w/350 sks	Rotary Producing



HANSON OPERATING COMPANY, INC.

United Bank Plaza, Suite 1200
Post Office Box 1515
Roswell, New Mexico 88202-1515
Phone: (505) 622-7330

WELL BORE SKETCH

OPERATOR/LEASE/WELL Hanson Operating Company, Inc. - B.S.W.U. #33
LOCATION Unit K NE $\frac{1}{4}$ SW $\frac{1}{4}$, 1650' FSL & 1650' FWL
FIELD/POOL Shugart / Yates-Seven Rivers-Queen-Grayburg
PLUG BACK DEPTH 2536 KB 3568' DF ELEVATION

Pump 10 sx Surface Plug

Hole Size 12/4

SURFACE CASING:
Size 8 5/8 Weight 24# Grade _____
Set at 811 with 50 Sacks Cement
Circulate TOC 595' Sacks to Surface
Remarks: _____
Perforate at _____
220'. Pump cement
inside & outside
production casing.
Shut casing valve
and pump cement
outside surface
casing to surface.

Perforate at 860'.
Pump a 50' cement plug inside and 50' cement plug outside
from 860' to 760' and tag plug.
Hole Size 7 7/8

PRODUCTION CASING:
Size 5 1/2" Weight 14# Grade _____
Set at 2540 with 200 Sacks Cement
Cement Top: Calculated 1274 Temperature Survey _____
Remarks: _____

EST. TOC 1274

TUBING:
Size _____ Weight _____ Grade _____
Number of Joints _____ Set at _____
Packer Set at _____
Bottom Arrangement: _____

Set CIBP at 2425.
Set a 10 sx 50'
cement plug.

Perforations:
(2485-2506)

PBTD - 2536
TD - 2540

RODS:
Size _____ Number _____
Gas Anchor Set at _____
Pump Set at _____
Arrangement: _____

Formation Tops:
Top of Salt - 811
Base of Salt - 1615
Top of Yates - 2034



HANSON OPERATING COMPANY, INC.

United Bank Plaza, Suite 1200

Post Office Box 1515

Rocky 93 New Mexico 88202-1515

Phone: (505) 622-7330

WELL BORE SKETCH

SEP 10 11 40 AM '93

CARL
AREA

OPERATOR/LEASE/WELL Hanson Operating Company, Inc. - B.S.W.U. #35

LOCATION Unit N, SE 1/4 SW 1/4, 330' FSL & 2310' FWL, Sec. 30, T.18S, R.31E

FIELD/POOL Shugart / Yates-Seven Rivers-Queen

PLUG BACK DEPTH 2650' KB 3566' DF ELEVATION

10 sx Surface Plug

Hole Size 12 1/2

SURFACE CASING:

Perforate 5 1/2 -
8 5/8 casing at
50'. Pump cement
inside and out-
side 5 1/2 - 8 5/8
casing. Shut
casing valve and
pump cement
outside 8 5/8
casing to surface.

Size 8 5/8 Weight 24 Grade _____
Set at 811 with 50 Sacks Cement
Circulate TOC estimated at 595' Sacks to Surface

Remarks: _____

Perforate at 810:
Pump 50' cement plug outside & a 500' cement plug inside.

Hole Size 7 7/8

PRODUCTION CASING:

Size 5 1/2 Weight 14 Grade _____
Set at 2650 with 100 Sacks Cement
Cement Top: Calculated _____ Temperature Survey _____
Remarks: TOC estimated at 1400'

Set a cement retainer
at 1950'. Pump
75 sx of cement
through retainer.
Cap with 10 sx.

Top of tubing cut
off 1994'.

TUBING:

Size _____ Weight _____ Grade _____
Number of Joints _____ Set at _____
Packer Set at _____
Bottom Arrangement: _____

Perforations at
2570' - 2580'

RODS:

Size _____ Number _____
Gas Anchor Set at _____
Pump Set at _____
Arrangement: _____

PBTD - 2650'

Formation Tops:
Salt 811 - Base of Salt 1845
Yates 2070

TD - 3661'

WELL BORE SKETCH

OPERATOR/LEASE/WELL: Southland Royalty Co. - Shugart "C" #2
LOCATION: Unit 0, SW/4SE/4, 330'FSL & 1650'FEL, Sec 30, T18S, R31E
FIELD/POOL: Shugart / Y-SR-Q-G
PLUG BACK DEPTH: _____ KB: _____ ELEVATION: _____

Hole Size: 11"

SURFACE CASING:
Size: 8-5/8" Weight: 23 Grade: _____
Set at: 761 w/ 75 Sacks cement
Circulate: _____ Sacks to surface
Remarks: _____

Perforate 4 holes @
100', 60' & 30'.
Pump 45 sx cmt from
158' to surface.

Hole Size: _____

INTERMEDIATE CASING:
Size: _____ Weight: _____ Grade: _____
Set at: _____ w/ _____ Sacks cement
Circulate: _____ Sacks to surface
Cement Top: Calc _____ Temp Survey: _____
Remarks: _____

Perforate @ 820' &
786'. Set cmt retainer
@ 706'. Pump 30 sx
cmt below retainer.

Hole Size: 8"

PRODUCTION CASING:
Size: 7" Weight: _____ Grade: _____
Set at: 3675 w/ 200 Sacks cement
Cement Top: Calc _____ Temp Survey: _____
Remarks: _____

Perforate @ 850'. Pump
35 sx cmt from 999' to
793'. Tag @ 823'.

Perforate @ 1300 psi
to 1000 psi. Perforate
@ 945 to 1000 psi. Pump
20 sx cmt from 1300' to
1184'.

TUBING:
Size: _____ Weight: _____ Grade: _____
Number of Jts: _____ Set at: _____
Packer set at: _____
Bottom Arrangement: _____

RODS:
Size: _____ Number: _____
Gas Anchor Set at: _____
Pump set at: _____
Arrangement: _____

Perforations
(3594-3630')

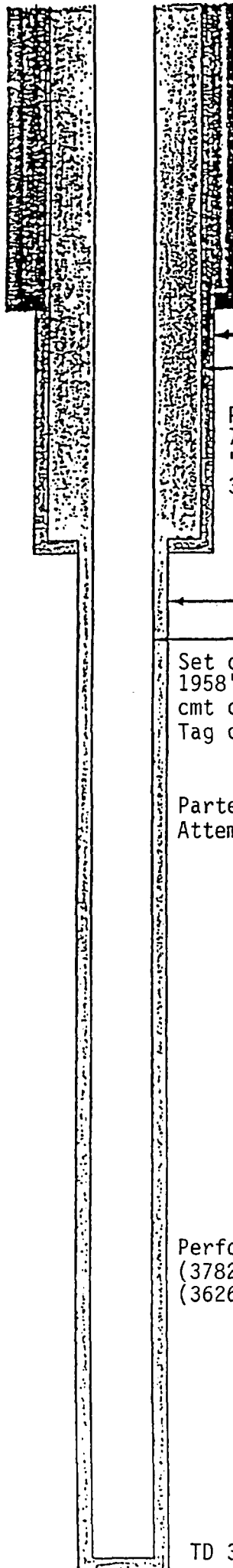
Formation Tops
Any = 525'
Base Salt = 1865'
Yates = 2198'
7-Rivers = 2615'
Queen = 3192'

P&A 6/03/89

TD 3675'

WELL BORE SKETCH

OPERATOR/LEASE/WELL: Southland Royalty Co. - Shugart "D" Well #4
LOCATION: Unit H, SE/4NE/4, 2310'FNL & 990'FEL, Sec 30, T18S, R31E
FIELD/POOL: Shugart / Y-SR-Q-G
PLUG BACK DEPTH: _____ KB: _____ ELEVATION: _____

	Hole Size: <u>11"</u>	
	SURFACE CASING: Size: <u>8-5/8"</u> Weight: _____ Grade: _____ Set at: <u>768</u> w/ <u>75</u> Sacks cement Circulate: _____ Sacks to surface Remarks: _____	
	Hole Size: _____	
	INTERMEDIATE CASING: Size: _____ Weight: _____ Grade: _____ Set at: _____ w/ _____ Sacks cement Circulate: _____ Sacks to surface Cement Top: Calc _____ Temp Survey: _____ Remarks: _____	Perforate 4 holes @ 700'. Pumped 225 sx "C" cmt. Circulated 30 sx to surface.
	Hole Size: <u>8"</u>	
	PRODUCTION CASING: Size: <u>5-1/2"</u> Weight: <u>14#</u> Grade: _____ Set at: <u>3819</u> w/ _____ Sacks cement Cement Top: Calc _____ Temp Survey: _____ Remarks: _____	Set cement retainer @ 1958'. Pump 300 sx "C" cmt cap w/50' of cmt. Tag cmt @ 1908'.
	TUBING: Size: _____ Weight: _____ Grade: _____ Number of Jts: _____ Set at: _____ Packer set at: _____ Bottom Arrangement: _____	Parted casing @ 2160'. Attempted to reenter.
	RODS: Size: _____ Number: _____ Gas Anchor Set at: _____ Pump set at: _____ Arrangement: _____	
	Formation Tops Yates = 2120' Seven Rivers = 2502' Queen = 3155' Grayburg = 3680'	
	P&A 11/05/82	
	TD 3838'	

WELL BORE SKETCH

OPERATOR/LEASE/WELL: Southland Royalty Co. - Shugart "D" Well #3
LOCATION: Unit E, SW/4NW/4, 2310' FNL & 330' FWL, Sec 30, T18S, R31E
FIELD/POOL: Shugart / Y-SR-Q-G
PLUG BACK DEPTH: _____ KB: _____ ELEVATION: _____

Set a 10 sx cmt surface plug

Hole Size: 11"

SURFACE CASING:
Size: 8-5/8" Weight: _____ Grade: _____
Set at: 745 w/ 60 Sacks cement
Circulate: _____ Sacks to surface
Remarks: _____

Hole Size: _____

INTERMEDIATE CASING:
Size: _____ Weight: _____ Grade: _____
Set at: _____ w/ _____ Sacks cement
Circulate: _____ Sacks to surface
Cement Top: Calc _____ Temp Survey: _____
Remarks: _____

Hole Size: 8"

PRODUCTION CASING:
Size: 5-1/2" Weight: _____ Grade: _____
Set at: 3854' w/ 175 Sacks cement
Cement Top: Calc _____ Temp Survey: _____
Remarks: _____

Perforate 4 holes @ 2000'.
Pump 25 sx cmt. WOC
4 hrs. Did not tag cmt.
Pump 25 sx cmt @ 2096'.
Tag cmt @ 1696'.

TUBING:
Size: _____ Weight: _____ Grade: _____
Number of Jts: _____ Set at: _____
Packer set at: _____
Bottom Arrangement: _____

RODS:
Size: _____ Number: _____
Gas Anchor Set at: _____
Pump set at: _____
Arrangement: _____

Set CIBP @ 3250'.
Cap w/35' of cmt.

Perforations
(3572-82')
(3552-58')
(3428-40')
(3380-88')

TD 3854'

Formation Tops
Anhy = 485'
Salt = 720'
Base Salt = 1805'
Seven Rivers = 2460'
Queen = 3110'
Penrose = 3364'
Grayburg = 3608'

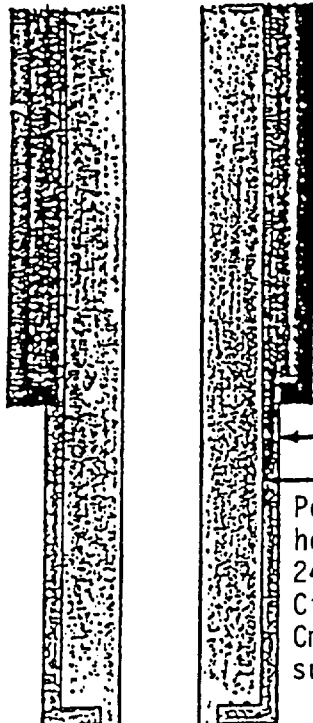
WELL BORE SKETCH

OPERATOR/LEASE/WELL: Southland Royalty Co., Shugart "D" #2

LOCATION: Unit F, SE/4NW/4, 2310'FNL & 1650'FWL, Sec 30, T18S, R31E

FIELD/POOL: Shugart / Y-SR-Q-G

PLUG BACK DEPTH: _____ KB: _____ ELEVATION: _____



Hole Size: 11"

SURFACE CASING:

Size: 8-5/8" Weight: _____ Grade: _____

Set at: 746 w/ 50 Sacks cement

Circulate: _____ Sacks to surface

Remarks: _____

Hole Size: _____

INTERMEDIATE CASING:

Perforated 4 squeeze
holes @ 750'. Pumped
240 sx "C" cmt.
Circulated to surface.
Cmt in 5-1/2" at
surface.

Size: _____ Weight: _____ Grade: _____

Set at: _____ w/ _____ Sacks cement

Circulate: _____ Sacks to surface

Cement Top: Calc _____ Temp Survey: _____

Remarks: _____

Hole Size: 8"

PRODUCTION CASING:

Size: 5-1/2" Weight: _____ Grade: _____

Set at: 3747 w/ 150 Sacks cement

Cement Top: Calc _____ Temp Survey: _____

Remarks: _____

Perforated 4 squeeze
holes @ 1960'. Set cmt
retainer @ 1860'.
Pumped 50 sx "C" thru
retainer and capped
w/50 sx cmt.

TUBING:

Size: _____ Weight: _____ Grade: _____

Number of Jts: _____ Set at: _____

Packer set at: _____

Bottom Arrangement: _____

RODS:

Size: _____ Number: _____

Gas Anchor Set at: _____

Pump set at: _____

Arrangement: _____

Pumped 30 sx cmt @
3350' to 2451'.

Perforations
(3450-60')
(3662-72')

Formation Tops:

Anhy = 500'

Salt = 760'

Base Salt = 1810'

Queen = 3130'

Penrose = 3385'

Grayburg = 3585'

Swedged
casing out
@ 2350'

P&A 6/20/89

TD 3747'

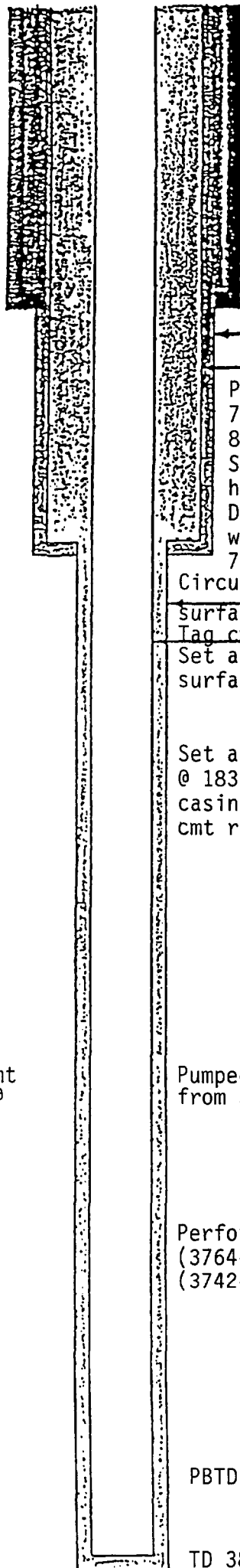
WELL BORE SKETCH

OPERATOR/LEASE/WELL: Southland Royalty Co., Shugart "C" Well #6

LOCATION: Unit J, NW/4SE/4, 2310' FSL & 1980' FEL, Sec 30, T18S, R31E

FIELD/POOL: Shugart / Y-SR-Q-G

PLUG BACK DEPTH: _____ KB: _____ ELEVATION: _____



Tag cmt
plug @
3096'.

Hole Size: 11"

SURFACE CASING:

Size: 8-5/8" Weight: _____ Grade: _____

Set at: 725 w/ 75 Sacks cement

Circulate: _____ Sacks to surface

Remarks: _____

Hole Size: _____

INTERMEDIATE CASING:

Perforate 4 holes @
775' between 5-1/2" &
8-5/8" annulus.

Squeeze 50 sx cmt into
holes. Wait 4 hrs.

Did not tag plug. RIH

w/pkr to 770'. Pumped

70 sx "C" into holes.

Circulated to Hole Size: _____

Surface then fell back.

Tag cmt @ 75'

Set a 75 sx cmt plug to
surface.

Set a cement retainer
@ 1838'. Squeeze bad
casing w/75 sx cmt. Cap
cmt retainer w/5 sx.

Size: _____ Weight: _____ Grade: _____

Set at: _____ w/ _____ Sacks cement

Circulate: _____ Sacks to surface

Cement Top: Calc _____ Temp Survey: _____

Remarks: _____

PRODUCTION CASING:

Size: _____ Weight: _____ Grade: _____

Set at: _____ w/ _____ Sacks cement

Cement Top: Calc _____ Temp Survey: _____

Remarks: _____

TUBING:

Size: _____ Weight: _____ Grade: _____

Number of Jts: _____ Set at: _____

Packer set at: _____

Bottom Arrangement: _____

RODS:

Size: _____ Number: _____

Gas Anchor Set at: _____

Pump set at: _____

Arrangement: _____

Perforations
(3764-3776') 42
(3742-3754') 72'

PBTD 3821'

TD 3848'

Formation Tops
Any = 520'
Salt = 750'
Base Salt = 1825'
Yates = 2110'
Seven Rivers = 2428'
Queen = 3396'
Grayburg = 3634'

P&A 6/12/89

NEIL B. WATSON
FRED A. WATSON
JOHN W. FISK

LAW OFFICES
WATSON & WATSON
AMERICAN HOME BUILDING
P O DRAWER E
ARTESIA, NEW MEXICO 88210

AREA CODE 505
746-4151 · 746-2201

March 1, 1979

Mr. R. Q. Silverthorne
P. O. Drawer 10
Plainview, Texas 79072

Dear Mr. Silverthorne:

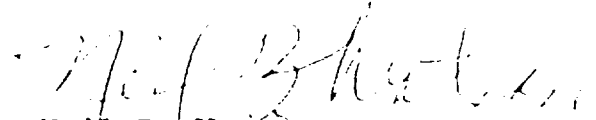
I expected a phone call from you yesterday afternoon but did not hear from you.

The situation on your water disposal well is that I called Mr. Nutter in the Santa Fe office of the New Mexico Oil Conservation Commission on Tuesday and he said that the Commission could handle your request to use Well No. 5 as a water disposal well and that it could be handled on an administrative basis (in other words, no hearing in Santa Fe would be necessary) if you would file an application on Form C-108 and otherwise comply with the provisions of Rule 701.

I am enclosing xerox copy taken from our book of Rules and Regulations of the Oil Conservation Commission and I am also enclosing a blank form of C-108, and you will see that most of the provisions of the rule and completing the application are matters regarding the well equipment, etc., and engineering matters, rather than legal. I called Nancy King and then went to see her and she does have your well records on Well No. 5. I showed her the form and she said there were a number of questions that she could not answer from your files and that Garrel Westall would probably have to answer some of the questions. There is a possibility that you will need to get Ralph Gray or some other engineer to assist in completing the application. I have not contacted Mr. Gray or gone any further with it because I thought you were going to call me yesterday afternoon.

If you will examine the enclosures and then let me know what else you want me to do (that is to say, do you want me to ask Nancy and Garrel to try to fill this out for your signature or just what you want us to do), we will then proceed.

Yours very truly,


Neil B. Watson.

NBW:js
Enc.



BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

May 17, 1979

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

Mr. R. Q. Silverthorne
P. O. Drawer 10
Plainview, Texas 79072

Dear Mr. Silverthorne:

After meeting with Mr. G. R. Westall on May 15, 1979, and examining your fracture treatment pressures on the proposed SWD well located in Unit K of Section ~~25~~³⁵ T-18-S, R-31-E, I concur that the fracture pressure is 1900 psi and that under our guide lines of staying below fracture pressure, you are authorized to inject into the SWD well at up to 1850 psi pressure.

Yours very truly,

OIL CONSERVATION DIVISION

Jerry Sexton
Supervisor, District 1

JS/mc

cc-Mr. Joe D. Ramey, Director
OCD, Santa Fe, New Mexico

Mr. R. L. Stamets, Technical Support Chief
OCD, Santa Fe, New Mexico

U. S. G. S.
Artesia, New Mexico

OCD, Artesia, New Mexico

RECEIVED

MAY 18 1979

R. Q. SILVERTHORNE

Form 3160-5
(June 1990)

RECEIVED
OCT 13 10 30 AM '95

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

LC 029387-D

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Benson Shugart Waterflood #3

9. API Well No.

30-015-10369

10. Field and Pool, or Exploratory Area

Shugart Yates 7 River Queens

11. County or Parish, State

Eddy

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Hanson Operating Company, Inc.

3. Address and Telephone No.

P.O. Box 1515, Roswell, New Mexico 88202-1515

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE 1/4 SW 1/4 Unit K 2160' FWL & 2310' FSL 30T18S R31E

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☒ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Hanson Operating Company plans to convert this well from a water source well, back into a salt water disposal well. This well was initially a salt water disposal well, (R-4741) produced water for disposal into Perforations (3378-3614) Queen Grayburg formations. A packer will be set at 3310' plus 2 3/8 plastic coated tubing will be used for SWD and the casing will be filled with packer fluid.

Subject to
Like Approval
By State

14 I hereby certify that the foregoing is true and correct

Signed

Betsy Spivey

Title

Production Analyst

Date

10-12-95

(This space for Federal or State office use)

Approved by

Adam S. Cane

Title

Petroleum Engineer

Date

10/30/95

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5176
Order No. R-4741

APPLICATION OF R. Q. SILVERTHORNE
FOR SALT WATER DISPOSAL, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 27, 1974, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 15th day of March, 1974, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, R. Q. Silverthorne, is the owner and operator of the Kenwood Well No. 4, located in Unit K of Section 30, Township 18 South, Range 31 East, NMPM, Shugart Pool, Eddy County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Yates formation, with injection into the perforated interval from approximately 2485 feet to 2506 feet.

(4) That the injection should be accomplished through 2 7/8-inch or larger plastic-lined tubing installed in a packer set at approximately 2470 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should be attached to the annulus and annular pressure should be reported monthly on Form C-120-A in order to determine leakage in the casing, tubing, or packer.

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

②

IT IS THEREFORE ORDERED:

(1) That the applicant, R. Q. Silverthorne, is hereby authorized to utilize its Kenwood Well No. 4, located in Unit K of Section 30, Township 18 South, Range 31 East, NMPM, Shugart Pool, Eddy County, New Mexico, to dispose of produced salt water into the Yates formation, injection to be accomplished through tubing installed in a packer set at approximately 2470 feet, with injection into the perforated interval from approximately 2485 feet to 2506 feet;

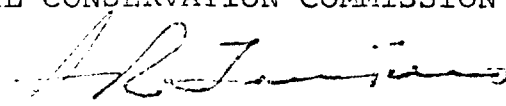
PROVIDED HOWEVER, that the tubing shall be at least 2 7/8 inches in diameter and plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus and annular pressure shall be reported monthly on Form C-120 A in order to determine leakage in the casing, tubing, or packer.

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinafter above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


I. R. TRUJILLO, Chairman

ALEX J. ARMIJO, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

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