

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-31525
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-16181
7. Lease Name or Unit Agreement Name Ganso State
8. Well Number 4
9. OGRID Number 021712
10. Pool name or Wildcat Hat Mesa Delaware

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p>	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Strata Production Co.	
3. Address of Operator P. O. Box 1030, Roswell, NM 88202-1030	
4. Well Location Unit Letter <u>I</u> : <u>1,860</u> feet from the <u>South</u> line and <u>990</u> feet from the <u>East</u> line Section <u>32</u> Township <u>20S</u> Range <u>33E</u> NMPM <u>Lea</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,638' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Add perforations 7,269-7,276' and 6,399-6,408'. Isolate and acidize each interval with 2,500 gals acid. Isolate and fracture stimulate with 85,000 lbs proppant in 1,700 bbls 20# to 30# borate fluid.

Anticipated date to commence work 09/23/2021 with fracturing tentatively scheduled for 09/29/2021.

Spud Date:

03/26/1992

Rig Release Date:

04/20/1992

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jerry Elgin TITLE Vice President Operations DATE 9/22/2021
Type or print name Jerry Elgin E-mail address: jelgin@stratanm.com PHONE: 575-622-1127 x 18
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

**Strata Production Company
Ganso State #4
Hat Mesa Delaware Field
API 30-025-31525
Sub I Section 32-T20S-R33E
Lea County, New Mexico**

Current Status: Producing 5 BOPD and 17 BWPD on conventional rod pump.

Procedure: Add perforations in F-2 Sand and AAA Sand. Acidize and test. Fracture stimulate if warranted by swab testing. Return to pumping.

Current Well Configuration

Casing: 5-1/2" 17# J-55 set at 8,435' cemented with 1,498 sacks cement. Top of cement 1,815 by CBL. PBTD 8,050' (CIBP with 35' cement on top).
Tubing: 233 joints 2-7/8" 6.5# J-55 EUE tubing at 7,231'. Seating nipple at 7,200' with mud joint below. Tubing anchor at 6,386'.
Rods: 108 7/8" rods, 179 3/4" rods (no grade given). 2" X 20' pump (no description given).
Packer: No packer.
Current Perfs: AA Sand 6,602-6,672', B Sand 6,711-6,723', C-2 and D Sand 6,883-6,917'.
J Sand 8,103-8,133' below CIBP at 8,050'.





Detailed Procedure





1. File required Sundry Notice.
 2. Open well to tanks 24 hours prior to moving in rig to blow down pressure.
 3. MIRU well service unit and POOH with rods and pump. ND wellhead, NU BOP's. Release anchor and POOH with tubing. Scan tubing while POOH.
 4. TIH with 4-3/4" bit and casing scraper to PBTD at ~8,015'. Circulate hole clean with FSW (may not circulate – capacity of system 168 bbls). POOH with tubing.
 5. RU wireline truck and perforate as follows:
 - a) F-2 Sand 7,269-7,276'
 - b) AAS Sand 6,399-6,408'
-

Perforate with 3-3/8" Owen Hero charges (or comparable) 2 spf, 60° phasing, 0.42" EHD, 21g charges, average penetration 45". Keep hole full with FSW if possible. Depths correlated to Computalog CBL dated 04/23/92.

6. TIH with Arrowset 1X packer testing tubing to 5,000 psi above slips. Set packer at ~7,200' with 15M# compression.
7. Confirm ability to pump in F-2 perforations with FSW.
8. Open bypass on packer and circulate 1,750 gals 7-1/2% NeFe acid to EOT. Close bypass on packer and acidize with total of 2,500 gals acid with 24 diversion balls. Displace acid with FSW. Anticipate pumping at 3 BPM and 2,000 psi. Do not exceed 4,000 psi.
9. Swab test F-2 Sand to confirm entry.
10. Release packer and circulate well with FSW (if possible). POOH, keeping hole full of FSW if possible.
11. TIH with RBP and Arrowset 1X packer. Set RBP at ~6,500'. PU 1 joint, set packer, and test RBP to 2,000 psi.
12. Release packer and PU to ~6,350'. Dump 2 sacks sand on top of RBP and allow to settle overnight.
13. Set packer and test annulus to 1,000 psi.
14. Confirm ability to pump in AAA perforations with FSW.
15. Open bypass on packer and circulate 1,640 gals 7-1/2% NeFe acid to EOT. Close bypass on packer and acidize with total of 2,500 gals acid with 24 diversion balls. Displace acid with FSW. Anticipate pumping at 3 BPM and 1,800 psi. Do not exceed 4,000 psi.
16. Swab test AAA Sand to confirm entry.
17. Release packer and circulate hole with FSW.
18. TIH and circulate sand off RBP. Release RBP and POOH with tools.
19. TIH with Arrowset 1X 10K packer and set at ~7,200'.
20. MI 4 frac tanks and fill with 2,000 bbls fresh water. All water should be mixed to equivalent of 4% KCl (preferably mixed on fly) before pumping down hole (revised frac design 09/10/21 requires 1,700 bbls).

-
21. Fracture stimulate F-2 Sand per accepted service company recommendation. Tentative design to consist of 50M# 16/30 resin coated sand in 700 bbls 30# cross linked borate fluid at 20 BPM with anticipated TTP of 2,200 psi. Flush frac with FSW for balance when releasing packer. Have sufficient FSW on location to pump into open perforations on annulus to keep hole full while pumping frac (if able to maintain fluid column).
 22. Release Arrowset packer and POOH, keeping hole full while POOH.
 23. RU wireline and set composite frac plug at ~6,500'
 24. TIH with Arrowset 1X 10K packer. Tag composite plug, PU 1 joint, set packer, and test composite plug to 2,000 psi.
 25. Release packer and PU to ~6,350'. Circulate 2 sacks sand to EOT and allow to settle.
 26. Set packer and test annulus to 1,000 psi.
 27. Fracture stimulate AAA Sand per accepted service company recommendation. Tentative design to consist of 35M# 16/30 resin coated sand in 500 bbls 20# cross linked borate fluid at 20 BPM with anticipated TTP of 2,000 psi. Have sufficient FSW on location to pump into open perforations on annulus to keep hole full while pumping frac (if able to maintain fluid column).
 28. Shut well in overnight (or as recommended by service company lab results).
 29. Flow well down.
 30. Release packer and POOH.
 31. TIH with 4-3/4" bit and casing scraper, drill out composite plug, and clean out well to PBTD.
 32. TIH with tubing as before recompletion (with new seating nipple) and set redressed tubing anchor. ND BOP's, NU wellhead.
 33. Swab test if desired.
 34. Run pump (check Rodstar design) and rods as before recompletion.
 35. Return well to production.
 36. File required paperwork.

COMPANY STRATA PRODUCTION CO.		LEASE TYPE <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FEDERAL				API NO. #30-025-31525		SPUD DATE 3/26/1992	
WELL NAME GANSO STATE #4		SECTION 32		TWP. 20-S		RANGE 32-E		COUNTY / STATE LEA / NM	
FOOTAGE 1860' FSL & 990' FEL		ELEVATION = 3636'		KELLY BUSHING = 3647'		STATUS OIL		TOTAL DEPTH = 8435'	
FIELD/POOL/AREA HAT MESA		Size		Sks. Cmt.		Circ Depth		Weight	
LOCATION DESCRIPTION 29 MI NE OF LOVING, NM		Grade		Thread		Depth			
		SURF. CASING		13 3/8"		315		Surface	
		INT. CASING		8 5/8"		1380		Surface	
		CASING		5 1/2"		1495		1815'	
Depth ft.		Description		O.D.		Length		Depth	
300		13 3/8" CSG. 68# @313' w/300 sacks							
1000		Current Configuration							
2000		TOC @ 1815' FROM CBL							
3000									
4000		8 5/8" CSG. 24# SET @ 3176' w/1380 sacks							
5000									
6000									
		TAC @ 6386'							
		(AA SAND) PERF: 6602'-6672' (25 HOLES) ACIDIZED w/1900GAL 7.5% NEFE; FRAC w/141,080# 16/30							
		(B SAND) PERF: 6711'-6723' (16 HOLES) ACIDIZED w/1500GAL 7.5% NEFE; FRAC w/20,000# 16/30							
7000		(C-2/ D SAND) PERF: 6883'-6917' (19 HOLES) ACIDIZED w/1500GAL 7.5% NEFE; FRAC w/42,000# 16/30							
		SEAT NIPPLE @ 7200'							
		MUD JOINT @ 7231'							
8000		CIBP w/35' CEMENT CAP @ 8050							
		(J SAND) PERF: 8108'-8133' (17 HOLES) ACIDIZED w/1500GAL 7.5% NEFE							
		Frac via 5 1/2" csg with 10500 gal 35# 2% KCl water, 36 tons CO2 & 37500# 16/30 RC sand							
		5 1/2" CSG. 17# SET @ 8435' w/ 1495 sacks							
8500		TD = 8435' PBTD = 8015'							
COMMENTS: Cumulative Production @ 04/2016: 137,939 BO, 193,077 MCFG, 326,583 BW ALL PERFS FROM ORIGINAL COMPLETION		 =Existing Packer  =Tubing Anchor  =Perfs-Open  =Perfs-Squeezed		STRATA PRODUCTION CO P.O. BOX 1030 ROSWELL, NEW MEXICO 88202 Revised 06/29/2016					

COMPANY STRATA PRODUCTION CO.		LEASE TYPE <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FEDERAL				API NO. #30-025-31525		SPUD DATE 3/26/1992	
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FOOTAGE 1860' FSL & 990' FEL		ELEVATION = 3636'		KELLY BUSHING = 3647'		STATUS OIL		TOTAL DEPTH = 8435'	
FIELD/POOL/AREA HAT MESA		Size		Sks. Cmt.		Circ Depth		Weight	
LOCATION DESCRIPTION 29 MI NE OF LOVING, NM		SURF. CASING		13 3/8"		315		Surface 54#	
		INT. CASING		8 5/8"		1380		Surface 24#	
		CASING		5 1/2"		1495		1815' 17#	
Depth ft.		Description		O.D.		Length		Depth	
300		13 3/8" CSG. 68# @313' w/300 sacks							
1000		Proposed Configuration							
2000		TOC @ 1815' FROM CBL							
3000		8 5/8" CSG. 24# SET @ 3176' w/1380 sacks							
4000		2-7/8" 6.5# J-55 EUE tubing							
5000		Perforate AAA Sand 6,399-6,408' 2 spf, 16 holes total							
6000		Acidize with 2,500 gals 7-1/2% NeFe							
		Frac with 35M# 16/30 RC in 25-35 ppg cross linked gel at 15-20 bpm							
		TAC @ 6386'							
		(AA SAND) PERF: 6602'-6672' (25 HOLES) ACIDIZED w/1900GAL 7.5% NEFE; FRAC w/141,080# 16/30							
		(B SAND) PERF: 6711'-6723' (16 HOLES) ACIDIZED w/1500GAL 7.5% NEFE; FRAC w/20,000# 16/30							
7000		(C-2/ D SAND) PERF: 6883'-6917' (19 HOLES) ACIDIZED w/1500GAL 7.5% NEFE; FRAC w/42,000# 16/30							
		SEAT NIPPLE @ 7200'							
		MUD JOINT @ 7231'							
		Perforate F-2 Sand 7,269-7,276' 2 spf, 16 holes total.							
		Acidize with 2,500 gals 7-1/2% NeFe							
		Frac with 50M# 16/30 RC in 25-35 ppg cross linked gel at 20-25 bpm							
8000		CIBP w/35' CEMENT CAP @ 8050							
		(J SAND) PERF: 8108'-8133' (17 HOLES) ACIDIZED w/1500GAL 7.5% NEFE							
		Frac via 5 1/2" csg with 10500 gal 35# 2% KCl water, 36 tons CO2 & 37500# 16/30 RC sand							
		5 1/2" CSG. 17# SET @ 8435' w/ 1495 sacks							
8500		TD = 8435' PBTD = 8015'							
COMMENTS: Cumulative Production @ 07/2021: 149 MBO, 209 MMCFG, 368 MBW		 = Existing Packer  = Tubing Anchor  = Perfs-Open  = Perfs-Squeezed		STRATA PRODUCTION CO P.O. BOX 1030 ROSWELL, NEW MEXICO 88202 Revised 09/22/2021					

Released to Imaging: 11/12/2021 2:22:18 PM

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WELL NAME GANSO STATE #4	SECTION 32		TWP. 20-S		RANGE 32-E		COUNTY / STATE LEA / NM		COMP. DATE 5/21/1992
FOOTAGE 1860' FSL & 990' FEL	ELEVATION = 3636'	KELLY BUSHING = 3647'		STATUS OIL		TOTAL DEPTH = 8435'		P.B.T.D. 8015'	
FIELD/POOL/AREA HAT MESA		Size	Sks. Cmt.	Circ Depth	Weight	Grade	Thread	Depth	
LOCATION DESCRIPTION 29 MI NE OF LOVING,NM	SURF. CASING	13 3/8"	315	Surface	54#	J-55		411'	
	INT. CASING	8 5/8"	1380	Surface	24#	J-55		3176'	
	CASING	5 1/2"	1495	1815'	17#	J-55		8435'	
Depth ft.	Description					O.D.	Length	Depth	
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300	<div>Proposed Configuration</div>								
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	TAC @ 6386'								
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	SEAT NIPPLE @ 7200'								
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	Perforate F-2 Sand 7,269-7,276' 2 spf, 16 holes total.								
	Acidize with 2,500 gals 7-1/2% NeFe								
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						<div>STRATA PRODUCTION CO</div> <div>P.O. BOX 1030</div> <div>ROSWELL, NEW MEXICO</div> <div>88202</div> <div>Revised 09/22/2021</div>			

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 51171

CONDITIONS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 51171
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	11/12/2021