

District I
1625 N. French Dr. Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
511 S. First St. Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 848-0736
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6176
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 376-3460 Fax: (505) 476-3462

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

Form C-101
June 16, 2008
Permit

HOBBS OCD

JUL 26 2011

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Samson Resources 200 N. Loraine Ste 1010 Midland, TX 79703		OGRID Number 20165
Property Code 15995		API Number 10-025-35662 → 30-025-35662
Property Name State BD		Well No 4

Surface Location

UT - Lot	Section	Township	Range	Foot Idn	Feet from	N/S Line	Feet From	E/W Line	County
11	2	12S	33E		1894	North	604	East	Lea

Pool Information

Wildcat <97857> East Gloria and San Andres	Wildcat San Andres <97839>
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Additional Well Information

Work Type Recomplete	Well Type Oil	Cable/Rotary	Lease Type S	Ground Level Elevation 4232
Multiple	Proposed Depth	Formation Test Gloria/San Andres	Contractor	Spud Date
Depth to ground water		Distance from nearest fresh water well		Distance to nearest surface water

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> <i>Kenneth Krawietz</i>		OIL CONSERVATION DIVISION	
Printed name: Kenneth Krawietz		Approved By: <i>[Signature]</i>	
Title: Operations Manager		Title: PETROLEUM ENGINEER	
E-mail Address: Kkrawietz@samson.com		Approved Date	Expiration Date
Date: 07/26/11		JUL 28 2011	
Phone: 432-686-6337		Conditions of Approval Attached	

STATE BD #4

Test Glorieta and San Andres

1. RU H2S equipment Load hole
2. ND tree. NU BOP 5000 psi. Test casing to 500 psi.
3. RU wireline and packoff. RIH w/ GR JB to CIBP at 8500'
4. Dump bail 35' cmt on CIBP
5. Set CIBP @ 6100' and dump bail 35' cmt Test casing to 4000 psi
6. Perf Glorieta 5784-88, 5823-27, 5835-42 w/ 2 spf.
7. GIH w/ pkr w/ on off tool on 2 7/8 " 6 5# J55 8rd
8. Displace hole w/ 2% KCl and spot 7 1/2% acid across perfs.
9. Set pkr @ 5680±.
10. Acidize Glorieta 5784-5842 w/ 2000 gal 7 1/2% NEFE dropping 45 BS.
11. Swab test and evaluate for frac
12. frac procedure to follow if nec
13. If commercial, rls on off tool and circ pkr fluid. Space out ND BOP. NU Tree.
14. If not commercial, RU wireline and packoff
15. Set CIBP @ 5764 and dump 35' cmt
16. Perf San Andres 4428-46 w/ 2 spf
17. GIH w/ pkr and on off tool
18. Spot 15% NEFE across perfs
19. Set pkr @ 4330±
20. Acidize San Andres 4428-46 w/ 3000 gal 15% NEFE dropping 55 BS.
21. Swab test and evaluate for frac
22. If not commercial, POH. RU WL and packoff
23. Set CIBP @ 4408' Dump 35' cmt TA

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drower DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brozos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Minerals, and Natural Resources

Form C-102
Revised 02-10-94
Instructions on back

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35662		2 Pool Code 97857		3 Pool Name Wildcat-Glorieta					
4 Property Code 15995		5 Property Name STATE BD #						6 Well Number 4	
7 OGRID No. 20165		8 Operator Name SAMSON RESOURCES COMPANY						9 Elevation 4232'	
10 SURFACE LOCATION									
UL or lot no. H	Section 2	Township 12 SOUTH	Range 33 EAST, N.M.P.M.	Lot Ida	Feet from the 1894'	North/South line NORTH	Feet from the 604'	East/West line EAST	County LEA
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

State BD
Samson WI 100%
Royalty State of New Mexico 12.5%

OPERATOR CERTIFICATION

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

Signature
Kenneth Krawietz

Printed Name
Kenneth Krawietz
Title
Operations Mgr
Date
7/26/11

56789
SURVEYOR CERTIFICATION

I hereby certify that the well
location shown on this plat was
plotted from field notes of actual
surveys made by me or under
my supervision and that the
same is true and correct to the
best of my belief.

Date of Survey
JULY 25, 2011

Signature and Seal of
Professional Surveyor

Certification No.
V. L. BEZNER R.P.S. #7920

JOB #77737-147 SE / JCP

OPERATOR: Please do not report production
under this temporary pool code until you have
checked with the OCD District I Geologist Paul Kautz,
and he confirms where your perfs are producing
from and gives you the correct pool code.

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State of New Mexico
Minerals, and Natural Resources

Form C-102
Revised 02-10-94

Instructions on back

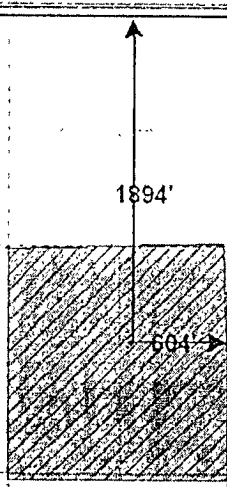
Submit to the Appropriate
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OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35662		2 Pool Code 97839		3 Pool Name Wildcat-San Andres					
4 Property Code 15995		5 Property Name STATE BD #					6 Well Number 4		
7 OGRID No. 20165		8 Operator Name SAMSON RESOURCES COMPANY					9 Elevation 4232'		
10 SURFACE LOCATION									
UL or lot no. H	Section 2	Township 12 SOUTH	Range 33 EAST, N.M.P.M.	Lot Ida	Feet from the 1894'	North/South line NORTH	Feet from the 604'	East/West line EAST	County LEA
11 "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE"									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code		15 Order No.			
NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION									
State BD Samson WI 100% Royalty State of New Mexico 12.5%									
<div>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Kenneth Krawietz</i> Printed Name: Kenneth Krawietz Title: Operations Mgr. Date: 7/26/11</div> <div>SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. Date of Survey: JULY 25, 2001 Signature and Seal of Professional Surveyor: <i>V. L. Bezner</i> Certified by: <i>V. L. Bezner</i> V. L. BEZNER, R.P.S. #7920 JOB #77737-1, 147 SE / JCP</div>									

OPERATOR: Please do not report production under this temporary pool code until you have checked with the OCD District I Geologist Paul Kautz, and he confirms where your perfs are producing from and gives you the correct pool code.

CLOSED LOOP SYSTEM

Design Plan

Equipment list

- 2-250 BBL tanks to hold fluid
- 2-CRI Bins with track system
- 2-500 BBL frac tanks for fresh water
- 2-500 BBL frac tanks for brine water

Operation and Maintenance

Closed Loop equipment will be inspected daily by each tour and any necessary maintenance performed
Any leak in system will be repaired and/or contained immediately
OCD notified within 48 hours
Remediation process started

Closure Plan

During drilling operations all liquids, drilling fluids and cuttings
Will be hauled off via CRI (Controlled Recovery Incorporated Permit R-9166).

Completion

- 1-Steel tank for flowback
- 1-Steel tank for cleanout
- Fluids Disposed by CRI Permit R-9166
- Solids Disposed at CRI