

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address Samson Resources Company 200 N. Lorraine Street, Ste 1010 Midland, TX 79701		² OGRID Number 20165	
³ Property Code 15995		⁴ API Number 30-025-01039	
⁵ Property Name State BD		⁶ Well No. #2	
⁷ Proposed Pool 1 Bagley (Penn)		⁸ Proposed Pool 2 Hightower Bagley (Wolfcamp) North	

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	12S	33E		660	North	660	East	Lea

⁸ Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹¹ Work Type Code E P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4228'
¹⁶ Multiple No	¹⁷ Proposed Depth	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date 6/5/1952
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Determine wellhead requirements. MIRU PU. ND tree. NU BOP 5k
2. GIH w/ 5 1/2" 17# N-80 LTC and attempt to screw in to stub at 19'.
3. If top of 5 1/2" is not a collar, dress OD and run lead patch overshot.
4. Set slips. ND BOP. NU tubinghead. NU BOP.
5. GIH w/ bit and scraper on 2 3/8" 4.7# L80 EUE 8rd to 10580
6. RU WL and packoff.
7. Set CIBP @ 10550 and dump 35' cement cap.
8. Set CIBP @ 9359 and dump 35' cement cap.
9. Test casing to 1000 psi.
10. GIH w/ tubing OE to 9200'. Circ hole w/ 2% KCl water.

(Recompletion Procedure Continued on Attached)

²³ 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 ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Ken Krawietz
Title: District Engineer
E-mail Address: kkravietz@samson.com
Date: 6/21/2006
Phone: (432) 683-7063

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

JUL 06 2006

Conditions of Approval Attached ☐

PETROLEUM ENGINEER

STATE BD #2

Recomplete to Penn

(Continue Form C-101, Item 22)

11. RU WL and packoff.
12. Perf Penn w/ 2 spf
8962-68, 8984-9000, 9026-34, 9092-96, 9112-21 (66 holes)
Correlate to Welex Radioactivity log dated 11/14/70.
13. GIH w/ 10k retv pkr and on off tool with 1.81" profile on 2 3/8" tubing.
14. Spot acid across perms.
15. Set pkr @ 8860. Test to 500. ND BOP. NU tree.
16. Acidize Penn 8962 - 9121 w/ 10000 gal 20% gelled NEFE dropping 99 BS.
17. Swab test.

Bagley Field
No H2S

If Penn is not productive recompletion to Wolfcamp will be recommended.

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-01039		² Pool Code 3770	³ Pool Name Bagley Penn
⁴ Property Code 15995	⁵ Property Name State BD		⁶ Well Number 2
⁷ OGRID No. 20165	⁸ Operator Name Samson Resources Co.		⁹ Elevation 4228' GL

¹⁰ Surface Location

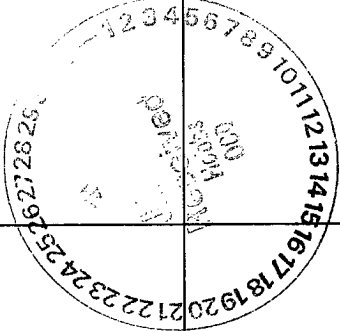
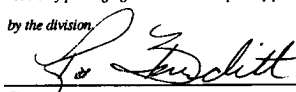
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16			<div style="border: 1px dashed black; width: 100px; height: 100px; margin: 0 auto; position: relative;"> 0.077 66.0' </div>
			<div style="text-align: center;">  </div>
			<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">  </div> <div style="width: 35%; text-align: right;"> <p>6/21/06</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Signature Date </div> <div style="margin-top: 10px;"> <p>Printed Name</p> <p>R. Burditt</p> </div>
			<p>18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <div style="margin-top: 20px;"> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> </div> <div style="margin-top: 20px;"> <p>Certificate Number</p> </div>

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-01039	² Pool Code 97431	³ Pool Name Bartley Wolfcamp North
⁴ Property Code 15995	⁵ Property Name State BD	⁶ Well Number 2
⁷ OGRID No. 20165	⁸ Operator Name Samson Resources Co.	⁹ Elevation 4228' GL

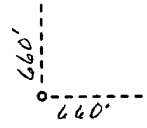

¹⁰ Surface Location

UL or lot no. A	Section 2	Township 12S	Range 33E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line East	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	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.						

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				18 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 Signature and Seal of Professional Surveyor:
				Certificate Number