

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 API Number 30-025-36458 ✓
⁴ Property Code 33037 ✓	⁵ Property Name Rawhide 29 State ✓	⁶ Well No. 1 ✓
⁹ Proposed Pool 1 Grama Ridge (Wolfcamp) North (Gas)		¹⁰ Proposed Pool 2

Surface Location

UL or lot no. N	Section 29	Township 21S	Range 35E	Lot Idn	Feet from the 910	North/South line South	Feet from the 1980	East/West line West	County Lea
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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
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Additional Well Information

¹¹ Work Type Code P ✓	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code S ✓	¹⁵ Ground Level Elevation 3638
¹⁶ Multiple No	¹⁷ Proposed Depth	¹⁸ Formation Wolfcamp	¹⁹ Contractor S. Hobbs	²⁰ Spud Date 11/14/03
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: Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

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.

- Secure Lufkin C640D-365-144 and 100 Hp NEMA D Motor. ND Tree. NU BOP's.
- RU Wireline and 5000 psig lubricator. RIH w/ 3 3/4" Gauge Ring to 12,450'. RIH w/10,000 psig, 4 1/2", 13.50# CIBP and set @ 12,440'. Cap w/30' of Class 'H' Cement w/positive displacement bailer (3.2 sx mixed @ 16.4 ppg).
- Perforate 1st stage: (11,482' - 11,485'; 11,544' - 11,546'; 11,611' - 11,614' and 11,740' - 11,744') configured 3 SPF.
- RU Frac Crew. Frac Stage I (11,482' - 11,744') w/1200 gallons of 15% HCl, 23,000 gals of Slick Water and 113,861 #'s of 20/40 PR-6000 in 133,734 gals of 15-17 lb Linear Gel. Include 2000 gallons of 15% HCl in flush.
- RIH w/10,000 psig, 4 1/2", 13.50# Composite Frac Plug and set @ 11,190'. Perforate 2nd stage: (10,980' - 11,005') 2 SPF.

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

Printed name: J. L. Farrell, III

Title: District Engineer

E-mail Address: jfarrell@samson.com

Date: 5/17/2006

Phone: (432) 683-7063

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

JUN 09 2006

Conditions of Approval Attached ☐

PETROLEUM ENGINEER

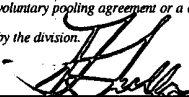
Rawhide 29 No. 1 (036070)


20-T21S-R35E Lea Co., NM

Wolfcamp Recompletion Procedure (continued)

6. Frac Stage II (10,980' - 11,005') w/13,000 gals of Slick Water and 59,000 #'s of 20/40 PR-6000 in 67,715 gals of 15-17 lb Linear Gel.
7. Begin flow back to clean up.
8. RU Completion Unit. TIH w/3 3/4" bit and 6, 3 1/8" DC's on 2 3/8", 4.70#, N80, EUE tubing. Drill out frac plug @ 11,190'. Clean out to PBTD of 12,410'. Do not drill cement and CIBP @ 12,410'. TOH w/BHA.
9. TIH w/ALE on 2 3/8", 4.70#, N80, EUE tubing. Set pump @ 11,750' +/-.
10. ND BOP, RD completion rig.
11. NU tree, place on pump and monitor production.

Operations will utilize metal tanks

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				<div style="text-align: right;">17: OPERATOR CERTIFICATION</div> <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; align-items: flex-end;"> <div style="text-align: center;">  Signature </div> <div style="text-align: right;"> May 17, 2006 Date </div> </div> <div style="border-top: 1px solid black; padding-top: 5px;"> J. L. Farrell Printed Name </div>
				<div style="text-align: right;">18: SURVEYOR CERTIFICATION</div> <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="border-top: 1px solid black; padding-top: 5px;"> Date of Survey </div> <div style="border-top: 1px solid black; padding-top: 5px;"> Signature and Seal of Professional Surveyor: </div> <div style="border-top: 1px solid black; padding-top: 5px;"> Certificate Number </div>

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Fri 6/9/2006 8:36 AM

Apache still has three one-well bonds to submit according to Jane's list.
30-025-04136; 30-025-33045; 30-025-33567
None of the rest appear on Jane's list.
All have blanket bonds.

From: Mull, Donna, EMNRD
Sent: Friday, June 09, 2006 8:21 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Pogo Producing Co (17891)
Mewbourne Oil Co (14744)
ConocoPhillips Co (217817)
John H Hendrix Corp (12024)
Yates Petroleum Corp (25575)
COG Operating LLC (229137)
Samson Resources Co (20165)
Marbob Energy Corp (14049)
Apache Corp (873)
Mack Energy Corp (13837)
COG Operating LLC (229137)
Marthon Oil Co (14021)
Lewis B Burleson Inc (13300)

I have checked these Operators in the Inactive well list.

Please let me know. Thanks and have a nice day. Donna