Form 3160-5 (April 2004)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR OCD-HOBBS **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

5. Lease Serial No.

NM-01747

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS
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Do not use this form for proposals to drill or to re-enter an

6. If Indian, Allottee or Tribe Name

abandoned wen. Ose Forn	ii 3 100-3 (APD) 101 Su	cii proposais.		
SUBMIT IN TRIPLICATE - 0	7. If Unit or CA/Agreement, Name and/or No			
1. Type of Well  X Oil Well Gas Well Other  2. Name of Operator Samson Resources Company  3a. Address 200 N. Loraine, Suite 1010, Midland  4. Location of Well (Footage, Sec., T., R., M., or Survey I. 660' FSL & 990' FEL of Section 12-T2  12. CHECK APPROPRIATE  TYPE OF SUBMISSION	. TX 79701 Description) 20S-R34E	Phone No. ( <i>include ar</i> (432) 683-706	3	8. Well Name and No. Lea Federal Unit #19  9. API Well No. 30-025-36905  10. Field and Pool, or Exploratory Area Lea; Bone Spring  11. County or Parish, State Lea. NM  PORT, OR OTHER DATA
		111	TE OF ACTION	
X Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Reclamati	ete Other
If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations. I testing has been completed. Final Abandonment Metermined that the final site is ready for final inspect 1. Install and set PU and POC.  2. ND Tree. RU Completion Unit.  3. TOH w/tubing and lay down sam 4. RU e/l, mast truck lubricatr.  12,730'. Cap w/7 sx Class H mixe 5. RU Howco acid single and casi psig. Notify Midland if casing a 6. RU e/l, lubricator and mast t After breakdown pump 50 bbls 4% K 30 minutes. Perf Stage Ia,b (10, 7. Frac Bone Spring I perfs (10, in 81,797 gals. DeltaFrac. Flush 8. RU Completion Unit. TIH w/AL 9. ND BOP. RD Completion Unit.  10. ND Tree. RU Completion Unit.  ***********************************	nformed or provide the Bond of the operation results in a resolution.)  NU BOP's.  NU BOP.  NU Tree.  NU BOP.  NU Tree.  NU BOP.  NU TOTAL STATE TO A	Unit. ring to 12,740 nt volume doubl ary. Load casi t. (10,458'-10,464 te (below Pmax) 336'-10,342'). 00 gals 15% Fer back. N80, EUE tubi st completed in ALE. RD Comple	'. RIH w/1 e due to de ng w/2% KC1 '). Breakd . SI and m chek SC and ng. terval.	subsequent reports shall be filed within 30 day new in the Certain 160-4 shall be filed one on, have been presented, and the operator had 0.000 psig CIBP and set @ pth). WOC 48 hours.  water and test to 8000  own perfs w/4% KCl water. onitor falloff pressures for
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)		Title	ict Enginee	•
J L Fargell, III		Distr. Date 12/27/2		APPROVED
TUIS	S SPACE FOR FEDER			ALLINOVED
Approved by	O OFACE FOR FEDER	Title	. 102 002	JAR <sup>ate</sup> 1 7 2007
Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations the second conduct operations to conduct operations.	those rights in the subject	nt or Office lease		WESLEYW INGRAM
				CIM LNGINEEK

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Lea Federal Unit Well No. 19 12-T20S-R34E Lea Co., NM Bone Spring Recompletion Procedure Page -2- (Item 13 continued)

- 11. RU e/l, mast truck lubricator. RIH w/4 ½", gauge ring to 10,130'. RIH w/10,000 psig Composite BP for 5 ½", 20# casing and set @ 10,120'. Note: If the production test for the Stage I completion did not yield hydrocarbons and the decision has been made to abandon the zone, RIH w/10,000 psig CIBP for 5 ½", 20# casing and set @ 10,120'. Cap w/7 sx Class 'H' mixed @ 16.4 ppg (cement volume double due to depth). WOC 48 hours. This will change the maximum allowable pressure on stage II to 8,000 psig.
- 12. RU Howco acid single or kill truck. Load casing w/4% KCl water and test same to 6000 psig (8000 psig if Stage I was abandoned). Notify Midland if casing and plug do not test.
- 13. RU e/l, lubricator and mast truck. Perforate Stage II (9,710' 9,716'; 9,732' 9,738' & 9,785' 9,791') using a 3 3/8", 25.0 gm, 0.42" EHD, 47.36" Titan casing gun configured 2 SPF and 0 degree phasing.
- 14. Frac Bone Spring II perfs (9,710' 9,791') with 1500 gallons of 15% Ferchek SC and 108,811 #'s of 20/40 PR-6000 in 41,457 gals of DeltaFrac 200 R (16). Flush w/8,500 gallons of WaterFrac GR (5) as per attached Sierra schedule. Pmax: 6000 or 8000 psig depending upon plug setting. Rate: 50 bpm. After flush, monitor and record SIP for 30 minutes.
- 15. RU e/l, lubricator and mast truck. RIH w/4 ½", gauge ring to 9,680'. RIH w/10,000 psig Composite Frac Plug for 5 ½", 20# casing and set @ 9,670'. Tie onto casing and test plug to 6000 psig. Perforate Stage III (9,511' 9,517'; 9,548' 9,554' & 9,589' 9,595') using a 3 3/8", 25.0 gm, 0.42" EHD, 47.36" Titan casing gun configured 2 SPF and 0 degree phasing.
- 16. Frac Bone Spring III perfs (9,511' 9,595') with 1500 gallons of 15% Ferchek SC and 121,820 #'s of 20/40 PR-6000 in 49,574 gals of DeltaFrac 200 R (16). Flush w/8,350 gallons of 4% KCl water as per attached Sierra schedule. Pmax: 6000. Rate: 50 bpm. After flush, monitor and record SIP for 30 minutes.
- 17. Flow back back well for clean-up.
- 18. RU Completion Unit, power swivel and reverse unit. TIH w/4 ½" bit and 4 3 1/8" DC's on 2 7/8", 6.50#, N80, EUE tubing. Drill out plugs @ 9670' and 10,120'. Clean out to PBTD @ 12,700'. Note: Do not drill out plug @ 10,120' if the Stage I completion was abandoned. TOH w/BHA
- 19. TIH w/ALE on 2 7/8", 6.50#, N80, EUE tubing.
- 20. ND BOP, RD completion rig. NU Wellhead, place on pump and monitor production.

DISTRICT I 1606 M. PRENCE DR., MORRE, RM 96240

## State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W. GRAND AVENUE, ARTESEA, INC DOCID

1900 Rie Brance Rd., Axtec, NM 87410

DISTRICT III

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV	DE, SANTA PE, Humber	INC 87506	WELL LO	CATION	AND ACREA	AGE DEDICATI	ON PLAT		
30-025 Property	5-360			Pool Code		a; Bone	Bool W.	LI AMEND	ED REPORT
OGRID N	io.				Property Nam LEA FEDER Operator Nam	e RAL		Well Num	
2016	5			SA	MSON RESO	URCES		Blevation 366	
UL or let No.	Section	Township			Surface Loca	ation			
Р	12	20-5	Renge 34-E	Lot Idn	Foot from the	North/South line	Feet from the	East/West line	County

			D.44	<u> </u>	000	SOUTH	990'	EAST	LEA
UL or lot No.	Bottom Hole Location If Different From Surface								
1			hip Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West Line	County
Dedicated Acr	es Joint	r Infili	Consolidation	Code I o	der No.				
80				Code 0	der No.				<del></del>
	OWADIE								

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

	OR A NON-STANDARD UNIT HAS BEEN APPROVED BY	THE DIVISION
		OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
-		Strature R. M. Burditt
		Sr. Engineer Tech. 12/27/2006 Date
	GEODETIC COORDINATES NAD 27 NME  Y=576450.5 N X=754257.5 E	SURVEYOR CERTIFICATION  I hereby certify that the well lecution shows on this yiel was plotled from field notes of action receives made by one or under my supervisor, and that the same is from and correct to the best of my belief.
	LAT. = 32 34 55 47 N LONG. = 103 30 28 40 W	JUNE 21, 2004  Date Surveys Confidence LA  Signature & South Confidence Profingional Surveyor
	3660.9' \$ 3663.9'	04_11.07642 Cortification CARY EDGON 12841