

Submit 1 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. 30-025-01032	✓
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	✓
6. State Oil & Gas Lease No. 15995	✓
7. Lease Name or Unit Agreement Name State BD	✓
8. Well Number 1	✓
9. OGRID Number 20165	✓
10. Pool name or Wildcat Bagley (Devonian)	✓

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
Samson Resources Company

3. Two address of Operator  
Two West Second Street; Tulsa, OK 74103

4. Well Location  
Unit Letter H : 1980 feet from the North line and 660 feet from the East line  
Section 2 Township 12S Range 33E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4243'

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

NOTICE OF INTENTION TO:		SUBSEQUENT	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK	INT TO PA <u>Pm. x</u> P&A NR _____ P&A R _____
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS	
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETIONS <input type="checkbox"/>	CASING/CEMENT JOB	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: _____	

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.

SEE ATTACHED

NOTIFY OCD 24 HOURS PRIOR TO BEGINNING  
PLUGGING OPERATIONS

HOBBS OCD

MAY 23 2016

RECEIVED

Spud Date:

6/30/49

Rig Release Date:

11/23/49

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

SIGNATURE Patricia Holland TITLE Sr. Engineer/Technician DATE 10/14/2015

Type or print name Patricia Holland E-mail address: pholland@samson.com PHONE: 918-591-1682

For State Use Only

APPROVED BY: Mark Whitaker TITLE Petroleum Eng. Specialist DATE 5/24/2016

Conditions of Approval (if any):

mw



Samson Resources Company  
Samson Lone Star, LLC

## Plugging Procedure 10-5-15

**Well Name:** State BD #1 **Lease #:** 030252/048308

**Field:** Bagley (Devonian)

**Legal Description:** Sec 2, T12S, R33E **API #:** 30-025-01032

**County** Lea **State:** NM

### Well Information

**GL / KB:** 4243' GL, 4254' KB

**SITP/SICP//BHT:** 0 psi SITP, 0 psi SICP, 165° F BHT

**H2S Content:** None reported

**Contact(s):** Jack Gevecker: Work: 918-591-1230, Mobile: 214-236-8404  
Keith McCullough: Work: 903-988-0200, Mobile: 214-725-1098

### Directions:

- Notify the local office of the appropriate Regulatory Agency (i.e., TRRC/OCC/etc.) before P&A work begins, before setting each cement plug and if approved cementing procedure is changed at any time. Note on daily report each day any contact made with the TRRC/OCC/etc.
- Current perforations from 10,806' – 10,818' (squeezed), 10,776' – 10,782' (squeezed), 10,371' – 10,764' (open). The well was drilled and completed in 1949 and has produced 4,660 MCF, 1,916,027 BO, and 3,146,047 BW per PI Dwight. Last production was 11/1995.
- Prior to commencement of work, a safety and operational meeting will be conducted on location with plugging company and Samson representative.





Samson Resources Company  
Samson Lone Star, LLC

**Safety Notice**

Well control and overall work safety is imperative. In order to help assure a safe working environment, the wellsite supervisor must provide safe and effective leadership and exercise good judgment. If at any time you feel a situation is inordinately dangerous and additional measures are required, STOP and confer with Engineering before proceeding. Losing control of a well is not acceptable and the individual onsite is responsible for the safe management of the well at all times. Unless otherwise authorized, never begin operations without proper supervision onsite. Unless otherwise authorized, the wellsite supervisor will be the first on location at the beginning of a workday and the last to leave the location once the well is secured for the night. The wellsite supervisor should confer with the project engineer at least 3 times per day (morning, midday and evening) to discuss job progress, plans, well control and overall safety.

**BOP Guidelines**

- Hydraulic dual ram BOP with properly sized pipe rams on top and blind rams on bottom.
- Confirm wellhead flange size and pressure rating, ensuring BOP is equipped with proper flange size.
- The BOP pressure rating is to be above the maximum potential shut-in pressure that may be encountered at any time during workover.
- A stand alone 3000 psi closing unit shall be used and located at least 50ft from the wellhead.
- BOP to be function tested, with single charge on closing unit, at least three cycles (Close – Open – Close).

**Tbg Assembly**

No tbg in well

**Procedure to Plug and Abandon**

1. Hold Safety Meeting. Follow all Federal, State, Local and Samson safety & environmental requirements.
2. MIRU WOR. Blow down any pressure.

3. ND wellhead and NU 5K BOPs and test to a low of 300 psi and a high of 5000 psi.

4. ~~TIH w/ 2-3/8" J 55 tubing to 6,200'~~ *Perforate & Attempt to SgZ w/ 40 sx Class 'C' cmt 3' above CIBP. WOC & Tag TOC @ 6585' by T.S.*

5. Circulate hole clean w/ 9.5 ppg mud laden fluid. *Pressure test csg.*

6. ~~Spot 20 sx 16.4 PPG Class H cement from 5,025'-5,200'.~~ *Perforate & Attempt to SgZ w/ 40 sx Class 'C' WOC & Tag*

7. Perf @ ~~3,975'~~ *3983'* and squeeze 40 sx. ~~16.4 PPG Class H cement from 3,800'-3,975'.~~ *14.8 PPG Class H cement from 3,800'-3,983'. WOC & Tag*

8. Perf @ 2525' and squeeze 40 sx. ~~16.4 PPG Class H cement from 2,350'-2,525'.~~ *14.8 PPG Class H cement from 2,350'-2,525'. WOC & Tag*

9. Perf @ 1700' and squeeze 40 sx. ~~16.4 PPG Class H cement from 1,525'-1,700'.~~ *14.8 PPG Class H cement from 1,525'-1,700'. WOC & Tag*



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10. Perf @ <sup>379'</sup>375' and squeeze 40 sx. <sup>14.8</sup>16.4 PPG Class <sup>C</sup>H cement from 200'-<sup>379'</sup>375'. WOC overnight and tag.  
*Perforate @ 60' & Circulate cement to surface inside/outside 7"*
11. ~~Spot a 20 sx 16.4 PPG Class H cement plug from 13' 3' using balance plug method~~  
*all strings.*
12. Cut off wellhead 3' below ground level. Visually verify cement top. Top off if necessary. Weld plate with API number and other pertinent well data permanently inscribed on it on a 4' stub above ground.
13. Send all cementing reports to Jack Gevecker and Patty Holland in the Tulsa Office.  
[jgevecker@samson.com](mailto:jgevecker@samson.com) and [pholland@samson.com](mailto:pholland@samson.com)



<b>WELL NAME:</b> State BD #1			<b>FIELD:</b> North Bagley			<b>LSE #:</b> 030252/048308						
<b>COUNTY:</b> Lea, NM			<b>SPUD DATE:</b> 6/30/49			<b>SURVEY:</b> Sec 2-12S-33E						
<b>API #:</b> 30-025-01032			<b>COMP DATE:</b> 11/23/49			<b>FORMATION:</b> Devonian						
<b>TD:</b> 10914' <b>PBTD:</b> 10772'			<b>ELEVATION:</b> 4243' KB			<b>ZERO DATUM:</b> 11 FT. ABOVE GL						
<b>PIPE RECORD</b>						<b>CEMENT &amp; HOLE DATA</b>						
<b>CSG</b>	<b>OD</b>	<b>GRADE</b>	<b>THD</b>	<b>WT/FT</b>	<b>TOP</b>	<b>BTM</b>	<b># JTS</b>	<b>BIT SIZE</b>	<b>DEP</b>	<b>SX</b>	<b>WT.</b>	<b>Top Cmt</b>
Surf	12.500			50.00#	Surf	329'				350		Surf
Int	9.625	J55		36.00#	Surf	3933'				2500		
Prod	7.000	N80		23.00#	Surf							6585 (T.S.)
	7.000	N80		26.00#								
	7.000	N80		29.00#		10765'						
Liner	4.500	J55		12.60#	10524'	10902'				50		
Tbg			EUE		Surf							
<b>COMMENTS:</b>						<b>CAPACITIES</b> BBL/FT FT/BBL CF/FT						
<b>STATUS:</b> TA'd w/ casing collapsed CIBP @ 6300' w/25' cmt cap  <b>NOTE:</b>						TBG:						
						CSG:						
						LNR:						
						VOLUME BETWEEN BBL/FT FT/BBL CF/FT						
						TBGxCSG:						
						GxLNR:						
						CSGxHOLE:						
<b>SURFACE EQUIPMENT</b>						<b>PERFORATION RECORD</b>						
Artificial Lift:						<b>ISPF</b>	<b>DATE</b>	<b>TOP</b>	<b>BTM</b>	<b>ZONE</b>	<b>STATUS</b>	
Facility:							11/49	10675		Devonian	OH-P&A'd	
						4	8/62	10806	10818	Devonian	P&A'd	
						2	8/62	10776	10782	Devonian	P&A'd	
						1	8/62	10731	10764	Devonian	Open	
						2	3/70	10731	10764	Devonian	Re-perf	
<b>SRC WY:</b>						<b>SRC NRI%:</b> 88%						
<b>BHT:</b>												
<b>ENGINEER:</b> Jeff Ros						<b>GEOLOGIST:</b> Nelson Moore						

12.5" @ 329'

9.625" @ 3933'

CIBP @ 6300' w/25' cmt cap

TOL @ 10524'  
7" @ 10765'

Perf Devonian @ 10731 - 10764'

CIBP @ 10772' w/ 42 sxs sqz'd in formation  
Perf Devonian @ 10776 - 10782'

CIBP @ 10795' w/ 28 sxs sqz'd in formation  
Perf Devonian @ 10806 - 10818'  
4.5" @ 10902'  
TD @ 10914'

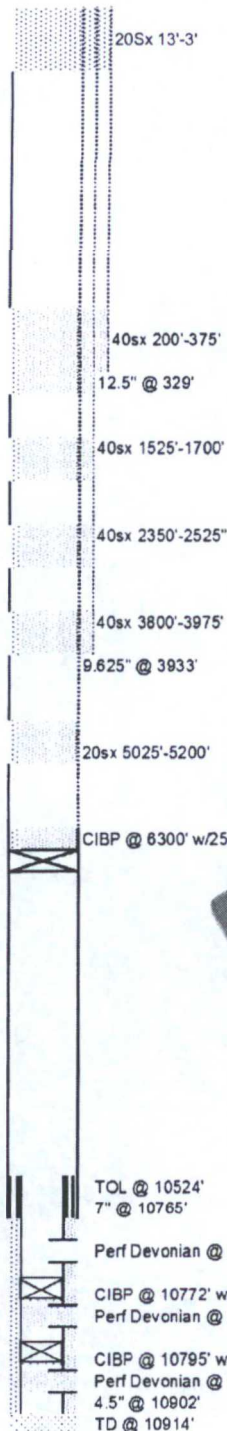
#### WELL HISTORY

11/49: Completed as OH; Acid w/ 5000 g reg acid  
8/62: Set 4.5" liner to eliminate wtr prod  
Perf Devonian (10806-10818') Acid perms; 100% wtr prod.  
Set CIBP @ 10795'; Sqz'd below BP w/ 28 sxs cmt  
Perf Devonian (10776-10782'); Acid w/ 500 g reg acid; 100% wtr  
Set CIBP @ 10772'; Sqz'd 42 sxs cmt  
Perf Devonian (10731, 738, 747, 756, 764');  
Spot 800 g acid in 3 stgs; POP  
6/68: Acid 10731-764 w/ 2000 g 28% HCl; AIR 2.2 bpm; ISIP 1600  
Put on hydraulic pump  
12/70: Acid 10731-764 w/ 2000 g 28% HCl w/ 6 BS; ISIP 3400; AIR 3 bpm  
3/70: Reperf existing interval 2 jspt  
Treat w/ 2000 g lse crude w/ 25 PFT Adomite Mark II + 4000 g  
Super-Emulsi-Frac + 2000 g 20% CRA; Flush w/ 2500 g treated  
1% KCl wtr; MP 5100, MP 4800, ISIP 4900  
Put on Kobe pump  
4/73: Well TA'd; Proration acreage was assigned to St. BD #2 to gain  
advantage of higher structural position. Previously, the  
St. BD #2 had not produced due to spacing requirements  
11/81: Evaluated prod and return to operation if economical  
Attempted to bleed well down, unsuccessful  
Killed well w/ 130 bbls lse wtr, circ 130 BO to frac tank  
Pulled tbg & pump; RIH w/ 6.25" RD & csg scraper to 10400'; Swab'd  
Returned to prod on pump  
4/88: Tbg leak caused by rod wear; repaired  
6/93: RIH w/ SL equipment on tbg; SL @ 7300' stacked out.  
7/93: Casing collapsed - not economic to repair  
Unsure of tbg/equip in hole

#### TUBULAR GOODS PERFORMANCE

Material	Tensile* (lbs)	Burst* (psi)	Collapse (psi)	Drift (in)	ID (in)	Capacity (bbl/ft)
* Safety Factor Not Included						





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Tbg			EUE		Surf
CEMENT & HOLE DATA					
BIT SIZE	DEP	SX	WT.	Top Cmt	
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		2500		6585 (T.S.)	
		50			
COMMENTS:					
STATUS: TA'd w/ casing collapsed CIBP @ 6300' w/25' cmt cap NOTE:					
CAPACITIES BBL/FT FT/BBL CF/FT					
TBG: CSG: LNR: VOLUME BETWEEN BBL/FT FT/BBL CF/FT TBGxCSG: TBGxLNR: Casing HOLE:					
SURFACE EQUIPMENT			PERFORATION RECORD		
Artificial Lift Facility:			DATE	TOP	BTM
			4	10675	10818
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			1	10731	10764
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SRC Wt%: 100%			NRI: 66%		
BHT:					
ENGINEER: Jeff Ross			GEOLOGIST: Nelson Moore		

Proposed P&A

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\* Safety Factor Not Included