

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. 30-025-08321	✓
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	✓
6. State Oil & Gas Lease No. NM211	✓
7. Lease Name or Unit Agreement Name State C AC 1	✓
8. Well Number 6	✓
9. OGRID Number 20165	✓
10. Pool name or Wildcat Bagley (Penn)	✓

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. Address of Operator  
Two West Second Street; Tulsa, Ok 74103

4. Well Location  
Unit Letter F : 2050 feet from the North line and 2051 feet from the West line  
Section 2 Township 12S Range 33E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4238'

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

NOTICE OF INTENTION TO:		SUBSEQUEN	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK	INT TO PA <u>3m</u> X P&A NR _____ P&A R _____
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPN:	
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <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:

12/06/52

Rig Release Date:

2/19/53

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 C A/C 1 #6 **Lease #:** 040579/048322

**Field:** Bagley (Penn)

**Legal Description:** Sec 2, T12S, R33E **API #:** 30-025-08321

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

### Well Information

**GL / KB:** 4238' GL, 4245' KB

**SITP/SICP//BHT:** 0 psi SITP, 0 psi SICP, 155° 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 9,920' – 9,443' (squeezed), 8,996' – 9,045' (CIBP @ 8,980'), 8,852' – 8,968' (CIBP @ 8,842' + 35' cement), 8,634' – 8,831' (CIBP @ 8,610'), 8,518' – 8,536' (CIBP @ 8,493' + 35' cement). The well was drilled and completed in 1953 and has produced 22,922 MCF, 179,980 BO, and 133,989 BW per PI Dwight. Last production was pre 1980.
- 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 tbgr 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 7,300'. **8458' (Tag CIBP)**

5. Circulate hole clean w/ 9.5 ppg mud laden fluid. **Pressure Test Casing.**  
**Perforate & Attempt to sgz w/ 40 sx**

6. ~~Spot 20 sx~~ 16.4 PPG Class H cement from 7,125'-7,300'. **WOC & TAG**

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

8. Perf @ 3,950' and squeeze 40 sx. **14.8 C** 16.4 PPG Class H cement from 3,700'-3,950'. **WOC & TAG**

**TOL @ 8070'**  
**by T.S.**





Samson Resources Company  
Samson Lone Star, LLC

9. Perf @ 2525' and squeeze 40 sx. 16.4 PPG Class H cement from 2,350'-2,525'. WOC + TAG
10. Perf @ 1700' and squeeze 40 sx. 16.4 PPG Class H cement from 1,525'-1,700'. WOC + TAG
11. Perf @ 353' and squeeze 40 sx. 16.4 PPG Class H cement from 175'-353'. WOC overnight and tag.  
Perf @ 60'. Circ cmt to surface
12. ~~Spot a 20 sx 16.4 PPG Class H cement plug from 13' 3' using balance plug method~~  
all strings
13. 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.
14. 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)

WELL NAME: State "C" A/C 1 #6 FIELD: Bagley OPERATOR: Samson LEASE#: 048322  
 STATE: NM COUNTY: Lea SURVEY: Sec 2F-12S-33E 040579  
 COMP DATE: 2/19/1953 SPUD DATE: 12/6/1952 FORMATION:  
 TD: 9950' PBTD: 9520' ELEVATION: 4238' GL ZERO DATUM: 7' FT. ABOVE GL

PIPE RECORD									CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEP	SX	WT.	Top Cmt	
Surf	13.375	H40		48.00#	Surf	303'		17.500		350		Surf	
Int	9.625	J55		36.00#	Surf	2476'		12.000		1706		Surf	
Prod	7.000		LT&C	23.00#	Surf	9171'		8.750		250		8070' TS	
	7.000		LT&C	26.00#									
Liner	4.500	N-80		10.50#	8920'	9550'				90			

625" @ 2476'

Tba

13.375" @ 303'  
 9.625" @ 2476'  
 Tbg

COMMENTS: API 30-025-08321

Penn: 8885-8990 DST  
 FSIP 2710  
 570 MCFPD  
 2700' Oil

cum prod 179,980 BO last prod pre 1980  
 22,922 MCF  
 133,989 BW

#### SURFACE EQUIPMENT

Artificial Lift:  
 Facility:

STATUS:

NOTE:

#### PERFORATION RECORD

SPF	DATE	TOP	BTM	ZONE	STATUS
	12/71	8996	9016	Penn	Abandoned
		9220	9443		

TOC @ 8070' by TS

SRC Wt%:

SRC NRI%:

BHT:

ENGINEER:

GEOLOGIST:

CIBP @ 8493 w/ 35' cmt on top 12/5/06  
 Perf Wilcomp 8518' - 8536 2% oil cut

CIBP @ 8610' 11/28/06

Perf 8634' - 8692'

Perf 8700' - 8759' 3% oil cut

Perf 8767' - 8831'

CIBP @ 8842 w/ 35' cmt on top 11/17/06

Perf 8852' - 8897', 8907' - 8912'

Perf 8924' - 8928', 8952' - 8968'

Top of 4.5" Lnr @ 8920'

CIBP @ 8980 11/3/06

Perf Penn @ 8996' - 9045'

7" @ 9171'

Perf 9220' - 9443' (Sqz w/75 sx)

Drill out to 9520'

4.5" Lnr @ 9550'

TD @ 9950'

#### WELL HISTORY

1953: (8996'-9045') Cum 180 MBO, 23 MMCF, 134 MBW  
 1971: Deepen, run 4.5", Test 9220-9443, Squeeze perms, TA  
 12/6/1971 - 12/20/1971: Acdz (9220' - 9443') w/500 gals. Acdz w/2000 gals (3 Stgs). Sqz w/75 s  
 10/31/2006: Circ hole clean to 9150'  
 11/7/2006: (Perfs 8924' - 8968') Acdz w/60 bbls 15% NeFe HCl.  
 11/15/2006: (Perfs 8852' - 8968', 55 holes) Acdz w/ 2500 gals 15% HCL. Flush w/ 45 BBL 2% KC  
 11/21/2006: (Perfs 8634' - 8692' and 8700' - 8759') Acdz w/ 2500 gals 15% NEFE. Drop 40 BS  
 11/29/2006: (Perfs 8518' - 8536') Spot 3 bbls 15% NEFE, Acdz w/ 37 bbls 15% NEFE  
 12/8/2006: Upper Penn and Wolfcamp proved non-commercial.  
 Set CIBP @ 8493'. Dump 35' cement on plug.  
 Well TA'd.

#### TUBULAR GOODS PERFORMANCE

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

PREPARED BY: R. Burditt

OFFICE: (432) 683-7063

DATE: 2/7/2006

HOME:

Updated: 1/7/2007, 10/5/15 JRG





<b>WELL NAME:</b> State "C" A/C 1 #6		<b>FIELD:</b> Bagley		<b>OPERATOR:</b> Samson		<b>LEASE#:</b> 040579-0006	
<b>STATE:</b> NM		<b>COUNTY:</b> Lea		<b>SURVEY:</b> Sec 2F-12S-33E			
<b>COMP DATE:</b> 2/19/1953		<b>SPUD DATE:</b> 12/6/1952		<b>FORMATION:</b>			
<b>TD:</b> 9950'		<b>PBD:</b> 9520'		<b>ELEVATION:</b> 4238' GL		<b>ZERO DATUM:</b> 7' FT. ABOVE GL	
PIPE RECORD							
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS
Surf	13.375	H40		48.00#	Surf	303'	
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Liner	4.500	N-80		10.50#	8920'	9550'	
CEMENT & HOLE DATA							
BIT SIZE	DEP	SX	WT.	Top Cmt			
17.500		350		Surf			
12.000		1706		Surf			
8.750		250		8070' TS			
		90					
<b>COMMENTS:</b> API 30-025-08321							
Penn: 8885-8990 DST FSIP 2710 570 MCFPD 2700' Oil  cum prod 179,980 BO 22.922 MCF 133.989 BW							
SURFACE EQUIPMENT				PERFORATION RECORD			
Artificial Lift:				JSPF	DATE	TOP	BTM
Facility:							ZONE
				1	12/71	8996 9220	9016 9443
							Penn
							Abandoned
SRC W/ff:				SRC NR			
BHT:							
ENGINEER:				GEOLOGIST:			

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\* Safety Factor Not Included

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