

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

DEC 11 2007

2. Name of Operator

Samson Resources Company

OCD-ARTESIA

3a. Address

200 N. Loraine St., Ste. 1010; Midland, TX 79701

3b. Phone No (include area code)

(432) 683-7063

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2310' FNL & 660' FEL
Section 17-18S-30E

5. Lease Serial No

LC-063621-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No

Sand Tank 17 Fed
#1

9. API Well No

30-015-29623

10. Field and Pool, or Exploratory Area

Wolfcamp, Bone Spring

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|-----------------------------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

NU BOP. POH. RU WL and packoff. Set CIBP @ 7266'. Test casing to 1000. Dump 50' cement.

ND BOP and tubing head.

NU 5k BOP. Cut 5 1/2" casing @ 6400'.

Circ hole w/mud laden fluid. Spear 5 1/2" casing. POH LD casing.

GIH w/tbg OE'd.

Spot 100' cement plugs @ 6450', 3997', 1483', 702'.

ND BOP. Spot surf plug. Cut off casing. Weld on plate, install P&A marker.

60'

Accepted for record
NMOCD14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Ken Krawietz

Title District Engineer

Signature

Date 11/26/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS

Title

PETROLEUM ENGINEER

Date

DEC 06 2007

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

SEE ATTACHED FOR

CONDITIONS OF APPROVAL

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 or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

TOC @Surf

11 75" @652'

8 625" @3907'

TOC @6450'

TAC @ 7053'

Tbg @ 7248'

7286'-7314'

CIBP @ 8000'

8065'-8078', 8100'-8120'

CIBP @ 8200'

6273'-8290'

CIBP @ 8400' w/35' cmt

8552'-8674'

8552'-8674'

CIBP @ 9050' w/35' cmt

9082'-9136'

MJ 10,993'

CIBP @ 11329'

w/35' cmt on top

11354'-58'

11428'-32'

11467'-71'

FC 11,651'

FS 11,695'

5 5" @11687'

TD 12001'

WELL NAME.		SandTank 17 Fed Com #1 Re-entry		FIELD: SandTank		LSE#: 036848					
STATE:		NM		COUNTY: Eddy		LOCATION: 17-18S-30E					
API NO:		30-015-29623		SPUD DATE: 6/28/1997		FORMATION: Morrow					
TD:		12001'		RE-ENTRY DATE: 12/7/04		ELEVATION: 3501 GL					
PBTD		11648'									

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
	11 750"	H40	STC	42 00#	0'	652'		14 750"		400		Surf
Inter	8 625"	J55	STC	32 00#	0'	3907'		11 000"		1300		Surf
Prod	5 500"	P110	LTC	20 00#	0'	11697'	275	7 875"		795		6450'
Tbg	2 375"	N80	EUE	4 70#	0'	7248'	229					CBL

Remarks:

2/3/05: Frac'd (11354-11471') w/99,876# of 20/40 VersaProp 283 tons of Co2 downhole
ISIP-5810#, 5 min-5230#, 10 min-5167#, 15 min-5156#

2/10/05: First Sales Flowing up casing until workover rig available

6/8/07: (Perfs 9082'-9136') Acdz w/2000 gals 15% NEFE acid & 72 balls Ball out w/70 balls on

6/14/07: (Perfs 8552'-8674') Acdz w/2000 gals 15% NEFE acid & 31 balls Good ball action

6/20/07: (Perfs 8273'-8290') Pump 5 bbls acid switch to water Broke down formaton @ 5840#,
broke back to 3850#

6/25/07: (Perfs 8065'-8120') Acdz w/2000 gals 7 5% acid, drop 52 balls Balled out @ 6850#

6/28/07: (Perfs 7286'-7314') Acdz w/1800 gals 15% NEFE acid, drop 85 balls Did not ball out

8/9/07: (Perfs 7286'-7314') Frac w/ 195,080# 20/40 Ottawa sand and 2364 bbls fluid
Pumped SPC-II scale inhibitor thruoutout pad and sand stages

CAPACITIES				(bbl/ft)	(ft/bbl)	(cf/ft)
TBGxCSG	2 375 in	4 7#		00387	258 65	02171
CSG	8 625 in	32#		06090	16 41	34220
CSG	5 5 in	20#		02210	45 09	12450

VOLUME BETWEEN				(bbl/ft)	(ft/bbl)	(cf/ft)
TBGxCSG	2 375x5 5			02390	41 83	13420
TBGxCSG						
CSGxHOLE						
TBGxHOLE						
TBGxHOLE						

PERFORATION RECORD					
DATE	TOP	BTM	ZONE	STATUS	SPF
2/1/2005	11467'	11471'	Morrow	Abandoned	4
2/1/2005	11428'	11432'	Morrow	Abandoned	4
2/1/2005	11354'	11358'	Morrow	Abandoned	4
6/7/2007	9118'	9136'	Wolfcamp	Abandoned	2
6/7/2007	9082'	9088'	Wolfcamp	Abandoned	2
6/12/2007	8606'	8674'	Bn Spr Lwr	Abandoned	1
6/12/2007	8552'	8597'	Bn Spr Lwr	Abandoned	1
6/19/2007	8273'	8290'	Bone Sprg	Inactive	2
6/22/2007	8100'	8120'	Bone Sprg	Inactive	1
6/22/2007	8065'	8078'	Bone Sprg	Inactive	1
6/27/2007	7294'	7314'	Bone Sprg	Open	2
6/27/2007	7286'	7293'	Bone Sprg	Open	2

TUBULAR GOODS PERFORMANCE		ID	Drift	Collapse*	Burst*	Tensile*
Material		(in)	(in)	(psi)	(psi)	(lbs)
11 75" H40 STC 42#		11 084	10 928	1,070	1,980	307,000
8 625" J55 STC 32#		7 921	7 796	2,530	3,930	372,000
5 5" P110 LTC 20#		4 778	4 653	11,080	12,640	548,000
2 375" N80 EUE 4 7#		1 995	1 901	11,780	11,200	104,340

SRG WI%:

LOGS:

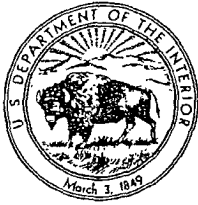
LANDMAN:

GEOLOGIST:

TUBING Detail as of 8/23/07
223 JTS 2 375" N80 TBG 7053'
5 5" X 2 375" TAC 40K SHR
SET W/ 14K TENSION @ 7053'
4 JTS 2 375" N80 TBG 125'
2 375" MECH HOLD DOWN W/ 6' X 1" EXT
& 8' X 1" SAND SCREEN @ 7181'
4' X 2 375" PERF SUB
2 JT 2 375" BPMA
EOT @ 7248'

Safety Factor Not Included

Accepted for record
NMOCD



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220

Interim Reclamation Procedures for Permanently Abandoned Federal Wells

1. After Subsequent Report of Abandonment, Form 3160-5, is filed and approved by the BLM the surface protection specialist (SPS) will conduct a surface inspection of the abandonment. The SPS will establish the reclamation requirements the operator will need to complete. **DO NOT START RECLAMATION UNTIL THE SPS HAS INSPECTED THE LOCATION.**
2. The reclamation requirements will be given to an environmental protection specialist (EPS). The EPS will issue the operator a Notice of Written Order outlining the reclamation requirements. **DO NOT START RECLAMATION UNTIL A NOTICE OF WRITTEN ORDER FOR RECLAMATION HAS BEEN RECEIVED.** The EPS will be responsible for all further abandonment work and inspections.
3. **Notification: CONTACT THE EPS 3 DAYS PRIOR TO RECLAMATION WORK.** This notification gives the EPS an opportunity to discuss by phone or on location the reclamation requirements, any special concerns and the timeframes. It also allows the EPS an opportunity to witness various aspects of the reclamation work to determine if an adequate seedbed has been prepared and all reclamation requirements have been completed. **CONTACT THE EPS AT LEAST 3 DAYS PRIOR TO SEEDING.** This allows the EPS to witness the seeding operation to make sure the location is seeded properly and with the appropriate seed mixture. **DO NOT START RECLAMATION UNTIL THE EPS HAS BEEN NOTIFIED.**
4. After reclamation work has been completed, submit the **I & E copy of the Notice of Written Order** to the BLM. It will need to be signed by a company representative and dated. Also submit one original and five copies of the **Final Abandonment Notice, Form 3160-5.** The report should state that all reclamation work has been completed, and the location is ready for a final abandonment inspection.
5. The BLM will continue to monitor the location to ensure the location vegetates successfully, and salts from the reserve pit do not leach to the surface. The location will be monitored until such time as vegetation (20%) is established evenly across the location (including the reserve pit and access road). Once EPS determines that vegetation (20%) is evenly spread across the location, final abandonment will be authorized.

If there are any questions please feel free to contact any of the following:

Jim Amos
Supervisory Environmental Protection Specialist
(505) 234-5909

**Accepted for record
NMOCD**

Barry Hunt
Surface Protection Specialist
(505) 234-5965

Cody Layton
Natural Resource Specialist
(505) 234-5959

Todd Suter
Surface Protection Specialist
(505) 234-5987

Paul Evans
Environmental Protection Specialist
(505) 234-5977

Trishia Bad Bear
Natural Resource Specialist – Lea County
(505) 393-3612

Terry Gregston
Environmental Protection Specialist
(505) 234-5958

10/18/2006

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220-6292
(575) 234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon. **If you are unable to plug the well by the 90th day provide the appropriate BLM office, prior to the 90th day, with the reason for not meeting the deadline and a date when the appropriate BLM office can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (575) 361-2822; for wells in Lea County call (575) 393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10 feet in length, 4 feet above the ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval shall be developed and furnished to you.

Accepted for record
NMOCD