

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM90161	
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name	
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 432-818-1062		8. Well Name and No. HAWK B-1 36	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T21S R37E SESE 1310FSL 1310FEL 32.489731 N Lat, 103.163701 W Lon		9. API Well No. 30-025-36530-00-C1	
		10. Field and Pool or Exploratory Area Multiple-See Attached	
		11. County or Parish, State LEA COUNTY, NM	

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Apache plans to plug back the San Andres and produce the Grayburg, as follows: (WBD's attached)

1. POOH with rods and 2-7/8" production tubing.
2. PU workstring and RIH with 4-3/4" bit and 5-1/2" scraper. Clean out wellbore to 4100'. POOH.
3. RU wireline. RIH and set CIBP @ 4100'. Cap with 25 sacks of cement or dump bail 35' of cement. POOH. RD WL.
4. RIH and tag TOC. RIH w/ 2-7/8" production tubing and set SN @ ~4025'. RIH w/ rod string.
5. Return well to production.

Carlsbad Field Office
OCD Hobbs

14. I hereby certify that the foregoing is true and correct. Electronic Submission #490562 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 11/01/2019 (20PP0275SE)	
Name (Printed/Typed) REESA FISHER	Title SR STAFF REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/31/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>JONATHAN SHEPARD</u>	Title <u>PETROELUM ENGINEER</u>	Date <u>11/06/2019</u>
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 <u>Hobbs</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****
FOR RECORD ONLY

X J NM OCD 11-22-19

Additional data for EC transaction #490562 that would not fit on the form

10. Field and Pool, continued

WILDCAT;WOLFCAMP

Revisions to Operator-Submitted EC Data for Sundry Notice #490562

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	PLUGBACK NOI	PLUGBACK NOI
Lease:	NMNM90161	NMNM90161
Agreement:		
Operator:	APACHE CORPORATION 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705 Ph: 432-818-1000	APACHE CORPORATION 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705 Ph: 432.818.1000 Fx: 432-818-1190
Admin Contact:	REESA FISHER SR STAFF REGULATORY ANALYST E-Mail: Reesa.Fisher@apachecorp.com Ph: 432-818-1062	REESA FISHER SR STAFF REGULATORY ANALYST E-Mail: Reesa.Fisher@apachecorp.com Ph: 432-818-1062
Tech Contact:	REESA FISHER SR STAFF REGULATORY ANALYST E-Mail: Reesa.Fisher@apachecorp.com Ph: 432-818-1062	REESA FISHER SR STAFF REGULATORY ANALYST E-Mail: Reesa.Fisher@apachecorp.com Ph: 432-818-1062
Location:		
State:	NM	NM
County:	LEA COUNTY	LEA
Field/Pool:	PENSKELLY;GB/HARE,SA E	HARE PENROSE SKELLY WILDCAT;WOLFCAMP
Well/Facility:	HAWK FEDERAL B 1 36 Sec 9 T21S R37E SESE 1310FSL 1310FEL	HAWK B-1 36 Sec 9 T21S R37E SESE 1310FSL 1310FEL 32.489731 N Lat, 103.163701 W Lon

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Permanent Abandonment of a Production Zone

1. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet, a 3M system for a well not deeper than 13,636 feet, or a 5M system for a well not deeper than 22,727 feet (all depths are for measured well depth).
3. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.
4. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the approved depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours. In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. Before pumping cement on top of CIBP, a tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary. Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.
5. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file a Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back 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 work was completed. If plugging back to a new zone submit a Completion Report, form 3160-4 with the Subsequent Report.
6. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
7. **If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:** From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted

Apache

Downhole Well Profile w Cement

Well Name: HAWK B-01 36

API Surface Loc: 3002636630	Surface Log Location: 1310 FSL, 1310 FEL, Sec B, T-21S, R-37E	Prod Name: PENROSE SKELLY	State/Province: New Mexico
Spun Date: 2/3/2004	Original KB Deviation (q): 3,488.0	Ground Deviation (q): 3,478.0	AS-Original Surface (q): 10.0
Well ID: 47430	Well ID (q): 47430	Comments:	

Production, HAWK B-1 36 - Original Hole, 10/29/2219 11:24 AM

Vertical schematic (proposed)

Casing - CASING JOINT(S) 8 825 in. J-55, 24 8 5/8;
24 00; J-55, 10 00-441 00
Surface Cement - 375 sz. 10 00-443 00; 2/22/04

Casing Float Shoe - CASING FLOATSHOE 6 625 in. J-55 441 60-443 00

Casing - CASING JOINT(S) 5 5 in. J-55, 17 5 1/2;
17 00; J-55, 10 00-3,507 87
Production Cement - 1300 sz. 290 00-4,743 60 2/12/2004

Casing - CASING JOINT(S) 5 5 in. J-55, 17 5 1/2;
17 00; J-55, 3,522 69-4,695 15

Casing Float Collar - CASING FLOAT COLLAR 5 5 in. J-55, 4,695 15-4,696 45

Casing - CASING JOINT(S) 5 5 in. J-55, 17 5 1/2;
17 00; J-55, 4,696 45-4,741 60

Casing Float Shoe - CASING FLOATSHOE 5 5 in. J-55, 4,741 60-4,743 60

Casing Strings

Cas ID	OD (in)	ID (in)	Weight (lb/ft)	Grade	Set Depth (ft)
Surface	8 5/8	7 1/8	24.00	J-55	443.00
Prod 1	5 1/2	4 8/9	17.00	J-55	4,743.00

Cement

String	Description	Top Depth (ft)	Bottom Depth (ft)	Top Well Man Returns at Surface	Start Date
Surface	Surface Cement - 375 sz	10.00	443.00		2/3/2004
Prod 1	Production Cement - 1000 sz	290.00	4,743.00		2/12/2004

Perforations

Date	Type	Top (ft)	Bot (ft)	Shot Date (month)	Shotted Well Top
6/3/2004	Cased Hole	3,817	3,820	1.0	
6/3/2004	Cased Hole	3,860	3,862	1.0	
6/3/2004	Cased Hole	3,916	3,918	1.0	
6/3/2004	Cased Hole	3,937	3,939	1.0	
6/3/2004	Cased Hole	3,987	3,990	1.0	
6/3/2004	Cased Hole	3,994	3,996	1.0	
2/25/2004	Cased Hole	4,108	4,114	2.0	1
2/25/2004	Cased Hole	4,116	4,134	2.0	3
2/25/2004	Cased Hole	4,144	4,156	2.0	2

Tubing Strings

Tubing Description	Run Date	Set Depth (ft)					
Tubing - Rod Pump	2/12/2019	4,188.6					
Item Desc	Size	Material/Manufacture	Model	OD (in)	WT (lb/ft)	Grade	Length (ft)
Tubing	12 8		T&C Upset	2 7/8	6.50	J-55	4,134.50
Tubing Sub	1			2 7/8	8.50		4.00
Tubing Pump	1			2 7/8	6.50		26.00
Perforated Joint	1			2 7/8	6.50		4.10
Tubing Sub	1			2 7/8	6.50		4.10
Anchor/catcher	1		Baker	6 1/2	23.00	N-80	2.70

Rod Strings

Rod Description	Run Date	Set Depth (ft)					
Rod	2/13/2019	4,180.0					
Item Desc	Size	Material	Model	OD (in)	WT (lb/ft)	Grade	Length (ft)
Polished Rod	1	Manufacture	Sprayloy	1 1/2	6.10	PRS	26.00
Sucker Rod	69		587 WSM CPLG/FULL	7/8	2.15	KD	1,475.00
Sucker Rod	97		587 WSM CPLG/FULL	3/4	1.60	KD	2,428.00
Sinker Bar	10		1-1/2 NECKED K. BARS W 3/4 PINS	1 1/2	6.01	K	250.00
Right Hand Release	1		RHR	1.63		X	0.60
Plunger	1		EUNICE PUMP 2-1/4 TBO PUMP PLUNGER	2 1/4		X	7.00

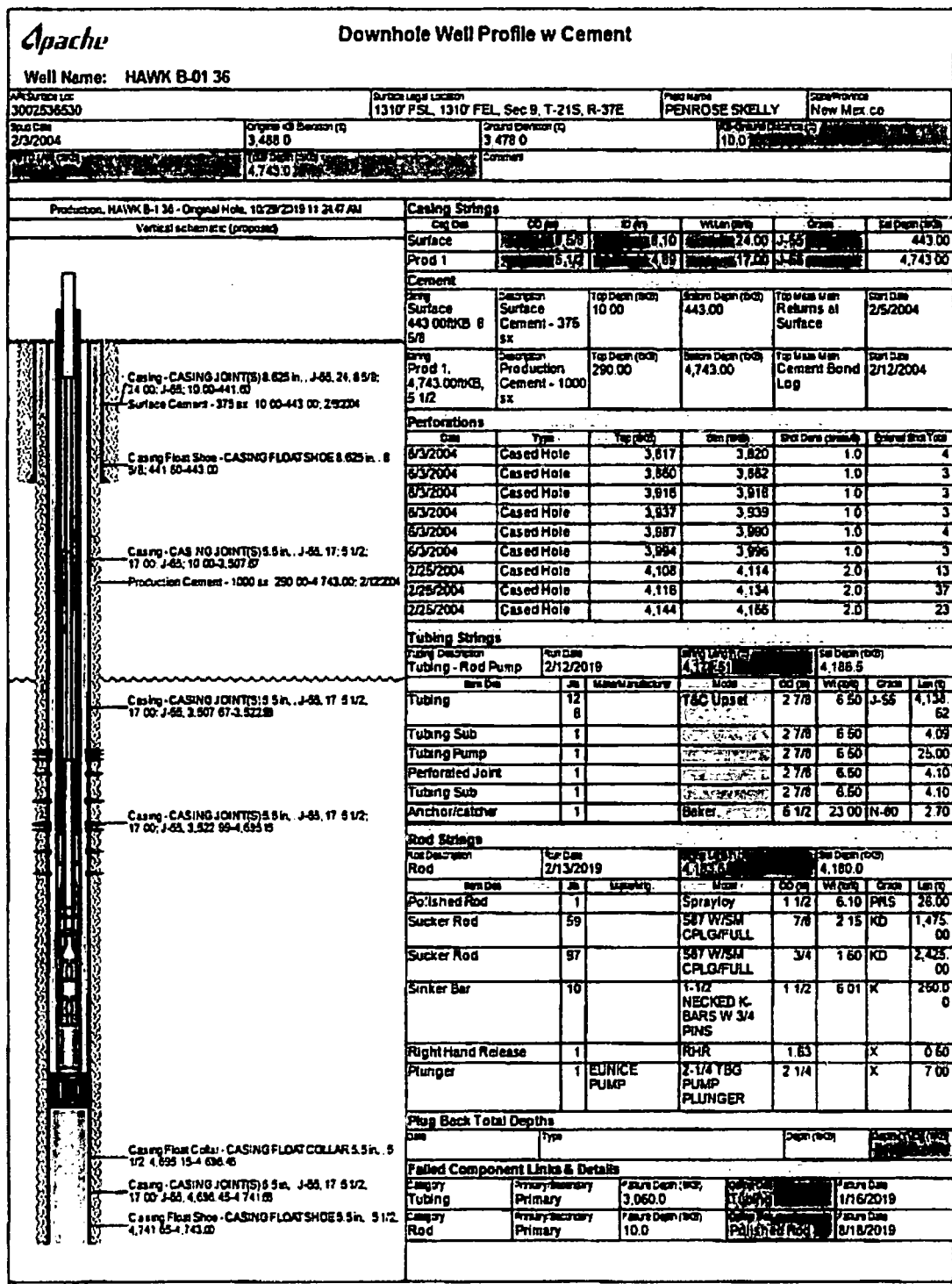
Plug Back Total Depths

Date	Type	Depth (ft)	Depth (ft) (C)
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Failed Component Links & Details

Category	Primary/Secondary	Failure Depth (ft)	Complete	Failure Date
Tubing	Primary	3,060.0	TOP OF	1/16/2019
Category	Primary/Secondary	Failure Depth (ft)	Complete	Failure Date
Rod	Primary	10.0	FAILURE	8/16/2019

Current Wellbore Diagram



Proposed Wellbore Diagram (Proposed Changes in Yellow)

