Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135

	Expires: July 31, 201
5. Lease Ser	rial No.
NMSF0	78387A

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.

6.	1f	Indian.	Allo	ttee or	Tribe	Name

abandoned well. Use form 3160-3 (APD) for such proposals.				6. If Indian, Allottee or Tribe Name	
SUBMIT IN TRIPLICATE - Other instructions on reverse side. 1. Type of Well				7. If Unit or CA/Agreement, Name and/or No. 8. Well Name and No.	
Name of Operator BP AMERICA PRODUCTION	COntact: CH	ERRY HLAVA	9. API Well No. 30-045-22422-00-S1		
3a. Address 200 ENERGY COURT FARMINGTON, NM 87401 3b. Phone No Ph: 281-36			de) 10. Field and Pool, BLANCO MES		
Location of Well (Footage, Sec., 7	C., R., M., or Survey Description)		11. County or Paris	11. County or Parish, and State	
Sec 30 T31N R8W SESE 0830FSL 0890FEL 36.86406 N Lat, 107.70999 W Lon			SAN JUAN C	OUNTY, NM	
12. CHECK APPI	ROPRIATE BOX(ES) TO IN	NDICATE NATURE OF	NOTICE, REPORT, OR OTHI	ER DATA	
TYPE OF SUBMISSION		ТҮРЕ	OF ACTION	****	
- Nation of Intent	Acidize	Deepen	Production (Start/Resume)	☐ Water Shut-O	
Notice of Intent Notice of Intent	Alter Casing	Fracture Treat	Reclamation	☐ Well Integrity	
☐ Subsequent Report	Casing Repair	☐ New Construction	Recomplete	Other	
Final Abandonment Notice	Change Plans	□ Plug and Abandon	Temporarily Abandon	_	
	1 –		Water Disposal		
If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final Addetermined that the site is ready for for November 2010 Compliance of the proposed testing has been completed.	ally or recomplete horizontally, given the will be performed or provide the doperations. If the operation results bandonment Notices shall be filed of inal inspection.) Well	e subsurface locations and mea Bond No. on file with BLM/B s in a multiple completion or re only after all requirements, incl	ing date of any proposed work and app issured and true vertical depths of all per IA. Required subsequent reports shall ecompletion in a new interval, a Form 3 uding reclamation, have been complete	rtinent markers and zone be filed within 30 days 160-4 shall be filed one	
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SJ Basin Well Work Procedure

API#: 30-045-22422

Well Name: Kernaghan B 4A

Date: Repair Type: County: State: Engr: BM Engr:		exico Vages Ph:	281-366-7929 Cell:4 281-366-5721	106-231-4679
Well Information:		Production Data:		
APIN	lumber:	30-045-22422	Tubing Pressure:	14 psi
	BP WI:	50.00%	Casing Pressure:	14 psi
	Run #:	33 Unit P-Sec 30-T31N-	Line Pressure:	150 psi
Surface Lo	cation:		Pre-rig Gas Rate:	0 MCFD
Meter N	lumber:	90007	Anticipated Uplift:	N/A
Wel	I FLAC:		Water Rate:	0
Cost	Center:		CO2 (%):	1.2520
Lease	FLAC:		H2S (PPM):	0
Restri	ictions:	Nov. Compliance	Gas BTU:	1151
Regulatory A			Artificial Lift Type:	Plunger
Compressed	d (Y/N):	,	Order Information	
	Budget:		Total AFE Amount	
P&C E	Budget: _		AFE #	f:
	wellbore	ellbore. is clear of obstructions. ugs and remove wellhead		
Well History: Spud date 9/11 Sidetracked 10 Completed 4/4/	/1977	à		

Note: Will use Class G neat cement or Type III cement to P&A this well.

Completion Information

End of Tubing:		Tubing Size	
Liner Size and Top:	4-1/2" @ 2716'	Casing size	7"
PBTD:	5920'		

P&A Procedure:

Standard Site Preparations

- 1. Perform pre-rig site inspection. Per Applicable documents, check for:
 - Size of location,
 - Gas taps,
 - Other wells.
 - Other operators,
 - · Production equipment,
 - Wetlands,
 - Wash (dike requirements),
 - H2S
 - · Barriers needed to protect equipment,
 - Landowner issues.
 - Location of pits (buried or lines in pits),
 - Raptor nesting,
 - Critical location,
 - Check anchors,
 - ID wellhead, etc.
 - Allow 48 hours for One Call if earth pit is required.
- 2. Identify wellhead for proper flange connections and BOP equipment.
- 3. Work with San Juan through CoW and w/P&S to develop a plan to move or temporarily relocate equipment that prohibits well servicing/plugging objectives.
- 4. Notify land owners with gas taps on well.
- Perform second site visit after lines are marked to ensure all lines locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.
- 6. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.
- 7. Have wellhead ID'd by wellhead company. Wellhead company to work lock-down pins, wellhead bolts (one at a time), and use hand pump to pressure test hanger and secondary seals to wellhead working pressure if wellhead is so designed.

Initial Well Checks & Preparations:

- 8. Notify BLM and NMOCD 24 hours prior to beginning P&A operations to ensure scheduling of personell to witness CBL results and cement placement.
- Check gas H2S content and treat if the concentration is > or equal to 10 ppm/Treat for H2S, if necessary per H2S Wells NOTICE.
- Fill out hot work permit for spotting rig to wellhead. MIRU workover rig. Complete necessary paperwork and risk assessment.
- 11. Check and record tubing, casing and bradenhead pressures and record in OpenWells
- 12. BLOWDOWN braden head (BH) pressure as required, especially if there is evidence of communication between the production casing and bradenhead or the well has a history of bradenhead pressure problems.
- 13. Record pressure and notify engineer if tubing pressure exceeds 50 psi or if there is any water or gas flow.

- 14. Ensure production casing and bradenhead valves are double valved. Follow guidelines as directed by DWOP.
- 15. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
- 16. Make up flowback line.

Completion Removal

- 17. RU SL using Slickline NOP for San Juan.
- 18. Pressure test lubricator to 250 psi low side and 1000 psi high side, each for 5 minutes. Record in Open Wells.
- 19. RIH and set an "F" collar stop at safe depth determined by slickline tag runs. RIH and set a "CW" plug on top of the F collar stop.
- 20. RIH and set a 3-slip stop at +/- 1000'.
- 21. RIH and set a second "CW" plug on stop at 1000'.
- 22. RIH and set a 3-slip stop on top of the second CW plug.
- 23. Release pressure on tubing to test plug.
- 24. Kill casing strings if necessary.
- 25. RD slickline.
- 26. Hold JHA and fill out permit for critical lift of raising derrick and scoping up top section. Rig up unit.
- 27. Hold JHA and fill out permit for nippling down wellhead tree and nippling up BOP critical lift. ND wellhead and install 2-way check valve and adapter in top of hanger.
- 28. NU BOPs and diversion spool with outlets and flowback lines to the blow down tank tank. Inspect flowcross for significant wear or erosion prior to NU.
- 29. Rig up floor, tongs, and slips.
- 30. Pressure test BOPs to 250 psi on the low end for 15 min and on the high range at 1500 psi for 15 minutes.
- 31. Install stripping rubber, unscrew lock-down pins on tubing head, open pipe rams, and pull hanger to bottom of stripper rubber. Close pipe rams, bleed off pressure between stripper rubber and pipe rams, then release stripper rubber from stripper head and pull hanger to rig floor. Unscrew and lay down tubing sub.
- 32. RU wellhead lubricator.
- 33. Pull two way check. Open bleed-off valve on lubricator and bleed down any pressure that may be present. RD lubricator. Install stripper rubber.
- 34. RU SL and pressure test lubricator to 250 psi low side and 1000 psi high side, each for 5 minutes. Record in OpenWells.
- 35. RIH and pull stops and plugs.
- 36. RD SL.
- 37. Kill well. Pump water as necessary to keep well dead.
- 38. Trip out of the hole with old tubing. It is acceptable to use old tubing as workstring. Check tubing while POOH for wear.
- 39. If unable to pull tubing then discuss options with WIE.
- 40. Makeup the following BHA:
 - Bit for 4 1/2" casing
 - Scraper for 4 1/2" casing
 - String float.
 - Workstring
- 41. RIH with BHA to top of MV perforations.
- 42. Work scraper through MV perforations at 4434'.
- 43. RU e-line. Run gauge ring for 4-1/2" casing (ID=4.052") down to top of perfs to ensure wellbore is clear and CIBP will set. RIH w/ CIBP and set +/-50' above perforations +/-5000'.-
- 44. Load well with fluid and pressure test casing to 500 psig. This will confirm the integrity of the casing and CIBP.
- 45. Run CBL to determine cement top behind 4-1/2". Based on cement top it will be determined where perforations and cement placement behind casing will be required to properly P&A well. Contact Engineer to discuss steps forward. Top of cement is

estimated at surface based on well history. Report CBL results to regulatory agencies and engineer. The order and detail of the next steps could change based on the CBL results but assumes cement does not cover the Ojo Alamo zone.

46. RIH w/ workstring and spot 300' (~4.7 bbls, 27 cu ft) plug on top of CIBP (+/- 5000'). This should P&A the Mesa Verde formations from 4700'-5000'. POOH.

47. Based on CBL results, RU wireline w/ perforated gun. RIH to +/- 3700'-and-perforate-4-1/2" casing and POOH with guns. RD wireline.

48. Consult with regulatory agencies to determine if it is necessary to pump cement into the annulus (top of liner prevents circulation). Pump 800' cement plug inside production casing (12.7 bbls, 71 cu ft inside, 32.4 bbls, 182 cu ft outside includes 100% excess). This should put cement across the Fruitland Coal and Pictured Cliff formations.

49. Based on CBL results, RU wireline w/ perforated gun. RIH to +/- 2240' and perforate 7" casing and POOH with guns. RD wireline.

50. If circulation to surface can be established, pump 340' cement plug inside and outside production casing (13.8 bbls, 77 cu ft inside, 12 bbls, 68 cu ft outside includes 100% excess) from 1900'-2240'.

51. If circulation cannot be established, RIH w/ workstring. Pump a 340' plug inside casing (13.8 bbl, 325 cu ft inside) from 1900'-2240'. This should put cement across the PC and FC formations. POOH with workstring. This should put cement across the Ojo Alamo

formation.
52. RU wireline w/ perforating gun. RIH to +/- **284'** and perforate 7" casing. POOH with guns

53. Establish circulation behind casing to surface. Pump a cement plug behind and inside 7" casing from 284' to surface (~ 20 bbls). Pump excess cement as necessary.

54. Perform underground disturbance and hot work permits. Cut off tree.

55. If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface. Watch for cement fall back or seepage. All annulus and casings must be full of cement with no fall back prior to installing abandonment marker.

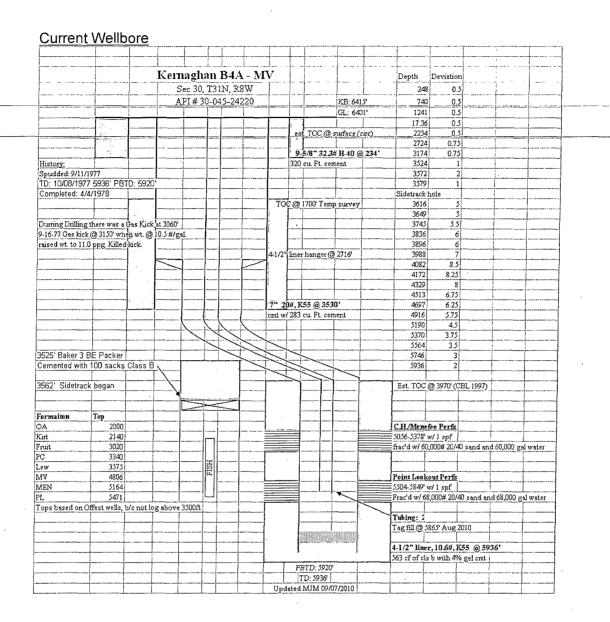
56. Install well marker and identification plate per BLM requirements.

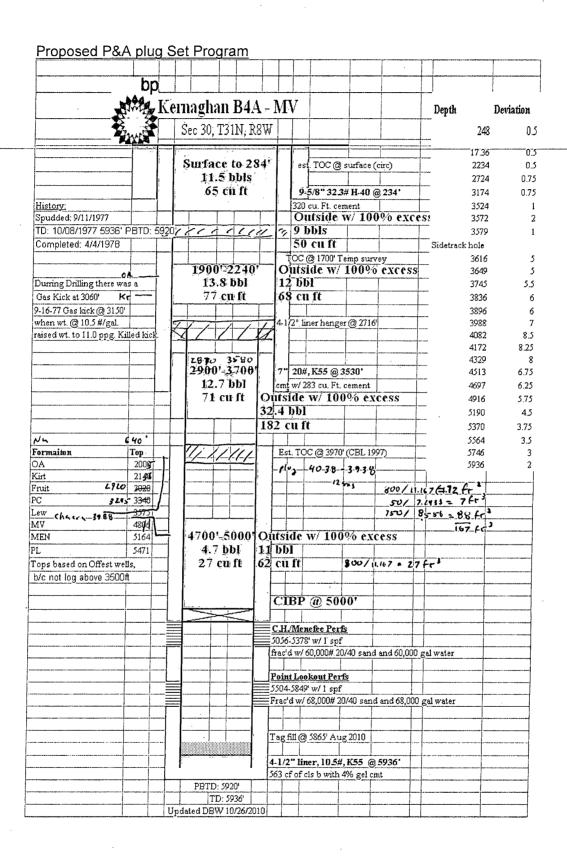
57. RD and release all equipment.

and RD wireline.

58. Ensure all reports are loaded into DIMS. Print out summary of work and place in well file. Notify Sherri Bradshaw of completed P&A.

2766- 2666





UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

1235 LA PLATA HIGHWAY FARMINGTON, NEW MEXICO 87401

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment

Well: 4A Kernaghan B

CONDITIONS OF APPROVAL

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
- 2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
- 3. The following modifications to your plugging program are to be made:
- a) Place a cement plug from 4038' 3938' to cover the Chacra top.
- b) Place the 7" casing shoe/Pictured Cliffs/Fruitland plug from 3580' 2870' inside and outside the 4 ½" casing.
- c) Place a cement plug from 2766' 2666' to cover the 4 ½" liner top.
- d) Place a cement plug from 690' 590' to cover the Nacimiento top

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.