UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB No 1004-0135
Expires July 31, 2010

Lease	Serial	Nο

NMSF	078828A
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If Indian, Allottee or tribe Name	
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SUBMIT IN TRIPLIC	CATE -	Other ins	tructions on the	reverse s	ide	7	If Unit or CA/	Agreement,	Name and/or No
l Type of Well				Man Market		8	Well Name a	nd No	· · · · · · · · · · · · · · · · · · ·
🛄 Oil Well 🛛 🕻	Othe	0 5 25	<u>√ 2008</u>		Gall	Gallegos Canyon Unit 184			
2 Name of Operator		· · · · · · · · · · · · · · · · · · ·	MAT	<u> </u>	Mar	e ur 9	API Well No		- *
BP America Production Comp	any Attr	n: Cherry Hi	ava	Land Ma	ld Office	8		30-04	5-07207
3a Address P.O. Box 3092 Houston, TX 7	7253	3b Phone 281-366-4	по (тсшаезацей)	čòdė)		10	Field and Poo		oratory Area Dakota
4. Location of Well (Footage, Sec 1160' FNL & 1190' FEL						11	County or Par San J		nty, New Mexico
12 CHE	CK APPRO	PRIATE BOX	(ES) TO INDICAT	TE NATUR	E OR NO	OTICE, F	REPORT, OR	OTHER D	ATA
TYPE OF SUBMISSION				7	ГҮРЕ ОР	ACTIO)N		
	Acid	lura				Productio	etion (Start/Resume)		Water shut-Off
Notice of Intent	Acidize Deepen			Γ	reat Reclamation			ne) 🔲	Well Integrity
	Alter Casing Fracture T							Other Bradenhead Repair	
Subsequent Report	Casing Repair		New Cor	nstruction	EZI K	Recomple	lete	7.123	& add perfs in Dakota
Subsequent Report	Change Plans Plug and A			l Abandon	Abandon Water Disposal				
Final Abandonment Notice	Conv	ert to Injectio	n 🖵 Plug Back	k					
13 Describe Proposed or Completed of If the proposal is to deepen direct Attach the Bond under which the following completion of the involtesting has been completed. Final attact the site is ready for final institution.	tionally or re work will b wed operation Abandonmen	complete horize performed on the performed on the complete the complet	contally, give subsuit r provide the Bond ration results in a m	rface location No on file nultiple comp	ns and me with BL! oletion or	easured a M/BIA recompl	and true vertica Required subs etion in a new	al depths of sequent repo interval, a	fall pertinent markers and zones orts shall be filed within 30 days. Form 3160-4 shall be filed once
BP America requests permiperforations in the Dakota s		locate, iso	late bradenhea	ad leak ar	nd repa	ir. It is	s also BP's	s intent t	o add additional
•						,		R	CVD MAR 7'08
Please see attached proced	lure		j					0)	L CONS. DIV. DIST. 3
14 I hereby certify that the foregoin Name (Printed/typed)	g is true and	correct				,			,
Cherry Hlava				Fitle	Regulat	tory Ar	alyst		
Signature Cherry Alland	9			, Date	03/04/2	800			
·		THIS SPA	ACE FOR FEDI	ERAL OR	STATE	OFFIC	CE USE		
Approved by Original Sig	ned: Ste	ohen Maso	n	Title			Da	ate	MAR 0 6 2008
Conditions of approval, if any, are attache Certify that the applicant holds legal subject lease which would entitle the	or equitable	title to those	rights in the	Office			_	_	
Td-191100 0-4 1005 1T4	12 11 0 0 0		1		- 1	.1 110	11 . 4		of the Line of the

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





SJ Basin Well Work Procedure

Well Name:

GCU 184-DK

API#: 30-045-07207-

Location:

T28N-R12W-Sec28

County:

San Juan

State:

New Mexico

Horizon:

DK

Engr:

Kegan Rodrigues

(713) 540-8434

CO2: H2S:

0.926%

None known

Repair Type: BH repair, Tubing change out, Perforating Dakota

Objectives

Pull production tubing, repair BH, perforate, change out tubing.

- 1. POH with production tubing.
- 2. Clean out wellbore
- 3. Set combination packer and pressure test casing.
- 4. Locate and isolate bradenhead leak and repair.
- 5. Perforate upper DK zone (Two wells 5934-38, 5944-48, 5950-60, 5970-95) @ 2 spf
- 6. RIH with new tubing and existing plunger
- 7. Return well to production.

History

Well was spudded on 10/13/1964 and was completed in the DK on 11/02/1964. The well has had a cumulative production of 3.2 bcf since 1964. The well has been scheduled for P&A in the past as it has produced less than 10MCFD over the last 10 years. There is no uphole potential available in this wellbore as the PCCF and FRLD coal are completed in the GCU #17. In addition the FRLD sand and the GLLP are poorly developed in this area and the Farmington sand (KRLD) is not present in this wellbore. In comparing this well to its offsets, it has been observed that the entire Two Wells (TWLS) member interval is unperforated. It has been recommended that we perforate the TWLS (5934-38, 5944-48, 5950-60, 5970-95) @ 2 spf, and consider reperfing the lower Dakota (6010-22, 6044-56) @ 1 spf. The anticipated uplift is 66 mcfd.

Procedure

Preparations:

1. Perform pre-rig site inspection. Per Applicable documents, check for: (1) size of location, (2) gas taps, (3) other wells, (4) other operators, (5) production equipment, (6) wetlands, (7) wash (dikes requirements), (8) H2S, (9) barriers needed to protect equipment, (10) landowner issues, (11) location of pits (buried or lines in pits), (12) raptor nesting, (13) critical location, (14) check anchors, (15) ID wellhead, etc. Allow 48 hours for One Call if earth pit is required.

- 2. Perform second site visit after lines are marked to ensure all lines on locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.
- 5. Notify land owners with gas taps on well.
- 6. Lock out/tag out any remaining production equipment.
- 7. Check and record tubing, casing, and bradenhead pressures daily. Ensure production casing and bradenhead valves are double valved. Check hold down pins on hanger.
- 8. Check gas H2S content and treat if the concentration is > or equal to 10 ppm. Treat for H2S, if necessary per H2S Wells NOTICE. Note: No H2S is expected at this wellsite location.
- 9. RU slickline unit or wireline unit. Retrieve plunger. RIH with sinker bar to ensure that all plunger equipment is out of the tubing and there are no obstructions, fill etc. RIH and set two barriers; plug in F-profile nipple @ 5985' and BPV valve in tubing hanger. If BPV profile is not present, then set a tubing stop and "G"packoff @ ~100'.

Rig Operations:

- 10. MIRU workover rig. Hold safety meeting and perform JSA. Complete necessary paperwork and risk assessment. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.
- 11. Make up 3" flowback lines and blow down well. Kill with 2% KCL water or fresh water, as necessary. RU workover rig and equipment.
- 12. Check all casing strings to ensure no pressure exists on any annulus. The operations of removal of wellhead and installation of BOP will be performed per the DWOP dispensation for a single mechanical barrier in the annulus.
- 13. ND wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the pit or vent tank. Pressure test BOPs to low of 200 psi and high of 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.
- 14. Install spool, stripper head, and stripping rubber. Pull tubing hanger up above pipe rams, shut pipe rams, and trip tubing hanger out of hole.
- 15. TOOH w/ 2-3/8 production tubing currently set at ~6005'. Use approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH. Note: WSL leader should determine whether or not current tubing is suitable to be used as the workstring.
- 16. TIH w/ bit & scraper for 4-1/2" casing to the top of the DK perfs at ~6010'. Clean out wellbore as necessary and POOH with scraper.

Squeeze Work:

- 17. RIH with 2-3/8" tubing with combination packer (4- ½" RBP on end and a mechanical set retrievable packer approx. one joint above, ~30', the CIBP). Set the RBP @ ~6000', ensuring to avoid any casing collars. TOH one joint and set packer. Pressure test RBP to 500 psi.
- 18. If plug holds, load hole and circulate out any produced fluids. Pressure test 4-1/2" casing above packer to 500 psi for 15 minutes. Monitor pressure loss and bradenhead for any indication of communication during testing. If the pressure does not hold above the packer, then proceed to isolate leak by moving packer up hole in "half intervals" and repeating pressure test of packer until leak is found. Attempt to isolate the leak as close as possible. Report pressure testing results and bradenhead pressure and bleed details to the BLM, NMOCD, and Engineer.
- 19. Note: Leak point is not known but is assumed to be at or near the 8-5/8" casing shoe. The next steps assume that the leak is at or near this interval. This is subject to change based on the pressure testing results. Consult with the engineer during this process.
- 20. Once leak has been located, pull RBP/ packer assembly and TOH with workstring. RIH with composite bridge plug on wireline and set at ~350'.
- 21. RIH w/ 2-3/8" workstring and 4-1/2" cement retainer and set retainer ~10' above squeeze holes, making sure to avoid any casing collars. Stab into retainer and pump sufficient cement to attempt to circulate to surface behind 4-1/2" casing. If and when cement to surface is obtained, shut bradenhead valve and attempt to walk squeeze to obtain a ~200 psi squeeze pressure. WOC. Consult with engineer during squeeze work and before attempting step 22.
- 22. If squeeze is unsuccessful try to pump cement from surface down bradenhead.
- 23. Pressure test squeeze. If squeeze does not test, contact engineer. Engineer will work with NMOCD/BLM on repairing the leak. Procedures may have to be modified per the NMOCD/BLM.
- 24. Un-stab from retainer and POOH w/ work string. Drill out retainer, cement in 4-1/2" casing, and composite plug @ 100'.
- 25. Clean out wellbore as necessary. RDMO workover rig.

Perforating:

- 26. Rig up electric wireline unit and TIH with 3-1/8" guns and perforate the intervals 5934'-5938', 5944'-5948', 5950'-5960', 5970'-5975'. Use HEG charges at 4SPF (172 holes) and 90 degree phasing
- 27. Note: If well is on a vacuum or if formation is taking fluid, will need to set a composite plug above the existing DK perforations so as to not allow any trash or debris to plug off the perforations. Contact engineer if well on vacuum.
- 28. RD wiureline. MIRU workover rig. Rig up BOP's, mud cross and all associated equipment.

- 29. Clean out wellbore to PBTD.
- 30. Once well has cleaned up sufficiently, R1H with new 2-3/8" tubing (yellow band) and land string @~6020', in the lower DK interval. BHA should include F profile nipple and a perforated sub should be set @~5950' to allow gas flow from upper DK interval. BHA should be as follows:

Tubing Hanger 2.375"
Tubing 2.375", 4.7#, J-55, EUE
Perforated Tubing Sub 2.375" @~5950'
Tubing 2.375", 4.7#, J-55, EUE
Nipple Profile "F" 2.375"
Tubing 2.375", 4.7#, J-55, EUE
Mule Shoe 2.375" (2ft)

- 31. Install existing plunger and associated plunger equipment.
- 32. Install plug in F-nipple and two way check valve in tubing hanger. Pressure test.
- 33. ND BOP and NU WH. Pressure test wellhead. Remove 2-way check valve and plug in profile nipple.
- 34. RD and release all equipment. Remove all Wells Team LOTO equipment. Notify Planning and Scheduling.
- 35. Ensure all well work details and wellbore equipment are entered in DIMS. Print DIMS summary of work and wellbore diagram and put in well file.
- 36. Return well to production. The estimated uplift is 66 MCFD.



Gallegos Canyon Unit 184

Dakota Basin API # 30-045-0720700 1160 FNL & 1190 FEL Sec 28, T-28-N, R-12-W San Juan County, New Mexico

Well History:

Spudded on 10/13/64 Completed in DK on 11/02/64 Workover in 1/26/2001 to swab fluid on well & clean out fill

Formation Tops:

Ojo Alamo Kirtland Fruitland

Picture Cliffs

1395

Lewis Shale

Cliff House

2320

Mennefee Point Lookout

Mancos

Gallup Greenhorn

Graneros Dakota

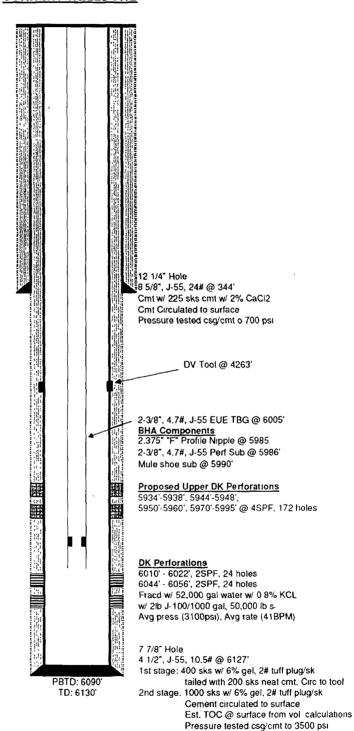
Main Dakota

5932

5034

Comments: Well has produced less than 10 mcfd over the last 10 years. Significant liquid loading has been observed since 2001, possibly resulting in the low gas production. The upper DK will be perforated and the lower DK reperfed, before putting the well back on production. Anticipated uplift is 66 mcfd.

CURRENT WELLBORE



Kegan Rodrigues 2/28/08